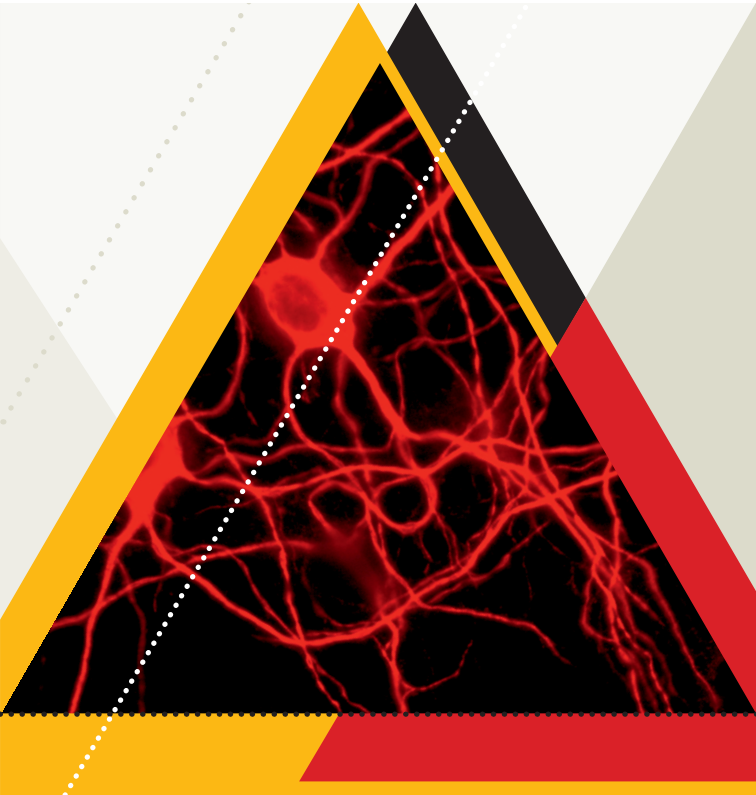


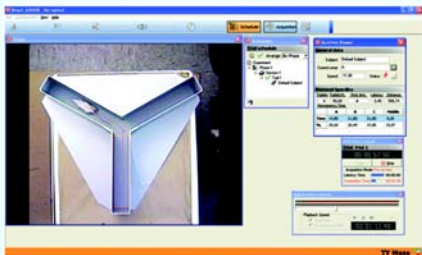
Program



**Ninth Göttingen Meeting of the  
German Neuroscience Society**

**March 23–27, 2011**

**Videotracking**

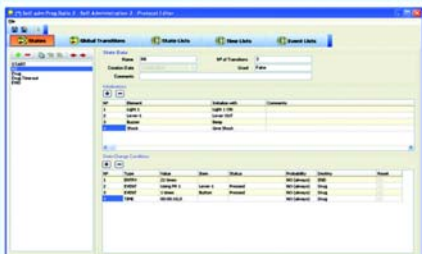


**Learning**

**Memory & Attention**



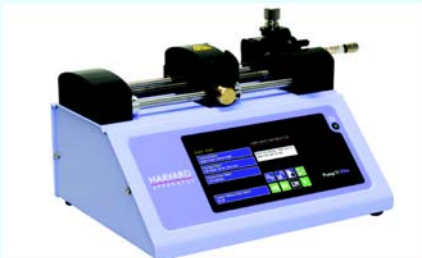
**Stereotactic Frames**



**Surgical**

**Aneasthesie**

**Infusion**





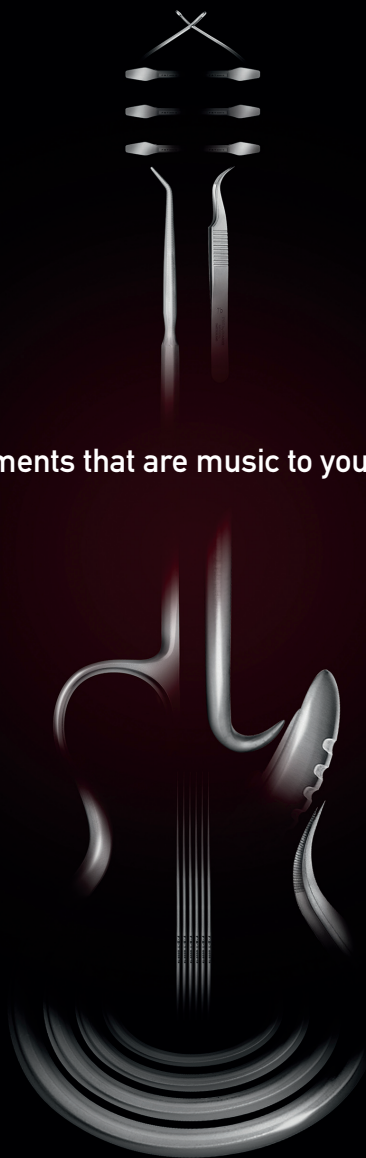
# Program

9<sup>th</sup> GÖTTINGEN MEETING OF THE GERMAN  
NEUROSCIENCE SOCIETY

33<sup>th</sup> GÖTTINGEN NEUROBIOLOGY  
CONFERENCE

March 23 - 27, 2011





Instruments that are music to your **hands**.

FINE SURGICAL INSTRUMENTS FOR RESEARCH™

SHIPPING GLOBALLY SINCE 1974

Request a catalog at [finescience.de](http://finescience.de) or call +49 (0) 62 21 - 90 50 50.

**F · S · T**®  
FINE SCIENCE TOOLS

## Table of Contents

Welcome Address	4
Acknowledgement	8
Exhibitors	10
Exhibition Floor Plan	20
List of Advertisers	22
Awards	24
Young Investigator Stipends	26
Committees and Organization	28
General Information	30
Map of Göttingen	31
Neuro-Party	36
Scientific Program	37
Japanese German Social	41
Neurowissenschaftliche Gesellschaft e.V.	46
Plenary Lectures	48
Workshops	50
Satellite Symposium	54
Symposia	56
Explanation of Abstract Numbers	104
Poster Topics	105
Poster Contributions	109
Authors' Index	201
Keyword Index	233
Participants' Addresses	247
Program at a glance	324



## Welcome Address

With great pleasure we welcome you to the 9th Göttingen Meeting of the German Neuroscience Society. The origins of this meeting go back as far as 1973, when the late Otto Creutzfeldt (1927 – 1992) together with Ernst Florey (1927 – 1997) organized the initial Neurobiology Conference in Göttingen as a small expert meeting. Since then, the conference has steadily grown in size and significantly broadened its spectrum to now cover all research fields in neurosciences including vertebrate and invertebrate systems, molecular, cellular and systems level of analysis, up to translational aspects in clinical neurology. With many high-ranking proposals for symposia and excellent suggestions for keynote speakers, it was again a difficult job for the program committee to select the contributions that you will now find in the final program. We are very happy and pleased that we could attract such high profile scientists for our meeting and we look very much forward to their presentations. We would like to especially highlight the featured lectures, some of them with a long-standing tradition at the conference like the Roger-Eckert-Lecture, the Otto-Creutzfeldt-Lecture and the Ernst-Florey-Lecture, as well as the recently introduced Zülch-Lecture focusing on clinically oriented neuroscience. However, the meeting would not be successful without the plethora of contributions by young researchers who present and discuss their findings in front of their posters. We have received over 1000 poster submissions, many of which are first authored by young scientists. We thank all of them for their interest in the meeting and their invaluable contributions. To accommodate all poster presentations we will have two poster sessions on Thursday, Friday and Saturday each. In addition to that, we also will have lectures by two young neuroscientists who have been awarded the scientific prizes of the German Neuroscience Society, the TILL Photonics Technology price for excellent achievements in developing novel techniques in neuroscience, and the Schilling-Forschungspreis, which is donated by the Schilling Foundation. For the first time ever, the German Neuroscience Society will bestow an honorary membership, which will be awarded to the founder of the Schram foundation for his continued and generous support of the neurosciences.

We would like to take this opportunity to deeply thank all sponsors, in particular TILL Photonics and the Schilling Foundation, but also all the other sponsors, and especially the companies, which present their products in the hall for their generous support of the meeting. Without them many amenities like the free buffets and the NeuroParty night would not have been possible! We also thank the University of Göttingen for providing the conference center for the meeting and in particular the Deutsche Forschungs-

gemeinschaft (DFG), whose financial support allowed us to invite many internationally renowned scientists to this conference.

An essential component of a successful meeting is the local organizing team. We thank Inga Zerr and all the dedicated co-workers of the local organizer from the Prion Research Group in the Department of Neurology in Göttingen for their excellent work and also Matthias Bähr as head of the department for making it possible. Last but not least, we would like to thank all the other volunteers who helped to organize this conference in many ways and who make it enjoyable for all of us. Their engagement and the help of the Berlin office, namely Stefanie Korthals and Meino Gibson, was instrumental in enabling us to generate the hospitable and interactive flair so characteristic of the Göttingen meeting.

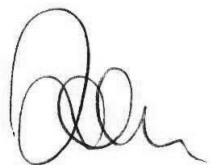
The full contents of the meeting, including abstracts will again be provided on CD, which is a supplement to the society's journal Neuroforum is citable. In addition to that this program booklet is available. Furthermore, an itinerary planner is available on the meeting website (<https://www.nwg-goettingen.de/2011/>) which allows the generation of individual timetables.

Finally, we would like to remind you that the Göttingen meeting is biannual and alternates with the FENS Forum, which will be held in Barcelona from July 14 through 18, 2012, hosted by the Sociedad Espanola de Neurociencia. We recommend that you contribute to this large-scale European Neuroscience meeting as well and hope that you will support the Barcelona conference as much as the last FENS Forum in Amsterdam, which was a great success not least due to the many excellent contributions from Germany. We hope to see you there and in Göttingen at the next meeting of the German Neuroscience Society on March, 13 -17, 2013.

Now we wish you an exciting conference and a pleasant stay in Göttingen,



Prof. Dr. Sigrun Korsching



Prof. Dr. Inga Zerr

# Gatan

## Digital Imaging for Electron Microscopy

Can your  
3D microscopy  
system acquire  
**1,000 aligned  
synapses/hour?**

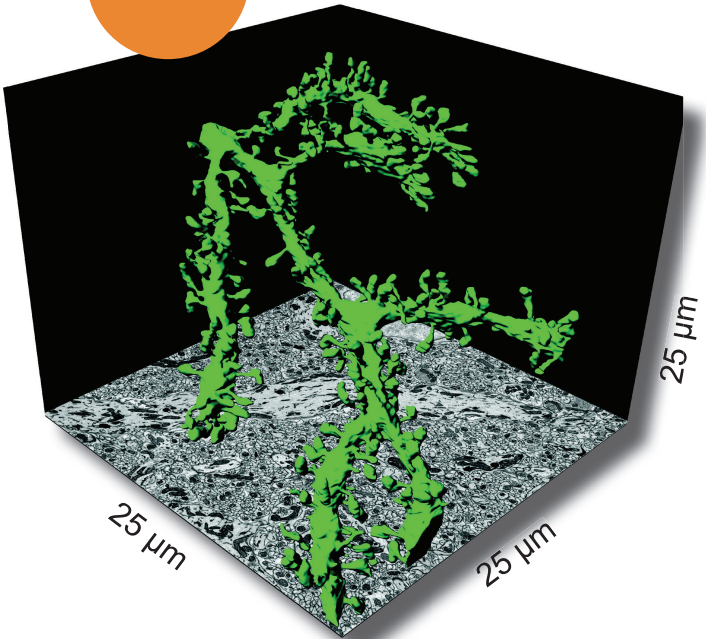
To learn how  
3View® can,  
visit us at the 9<sup>th</sup>  
Göttingen Meeting  
of the German  
Neuroscience Society,  
booth 20, or go to  
[www.gatan.com/  
answers](http://www.gatan.com/answers)





Reconstructed  
dendrite from  
a 3D image  
generated by  
3View<sup>®</sup> system

3View<sup>™</sup>



Left image: High magnification SEM image generated by Gatan 3View<sup>®</sup> resolving synaptic vesicles.

Above image: A 25 $\mu$ m x 25 $\mu$ m x 25 $\mu$ m volumetric data set of mouse cerebellum generated by Gatan 3View<sup>®</sup>.

Serial images were segmented to create a 3D model of a neuron of interest. Images courtesy of Tom Deerinck and Dr. Mark Ellisman, National Center for Microscopy and Imaging Research, University of California, San Diego.

**gatan gets it**





## Acknowledgement

The German Neuroscience Society (NWG) and the organizers of this meeting gratefully acknowledge the collaboration and the financial support of the following partners:

Deutsche Forschungsgemeinschaft (DFG)

Bereich Humanmedizin  
Georg-August-Universität Göttingen

Herrmann und Lilly Schilling-Stiftung für  
medizinische Forschung im Stifterverband für die  
Deutsche Wissenschaft, Essen

TILL Photonics Technologies GmbH, Gräfelfing

Gertrud Reemtsma Stiftung, München

Roger Eckert Fund, Göttingen

and Jochen Meier, Berlin,  
for providing the cover figure.



Thomas RECORDING GmbH

For 20 Years Quality Made in GERMANY

The Microdrive Company

Telemetric Controlled Microdrive System

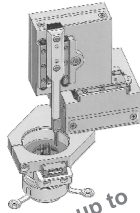


**NEW!**



4 channels wireless

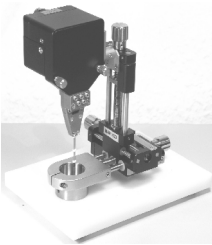
Chronic Recording Systems



up to 64 channels

**NEW!**

Multielectrode Drives



Screw Drives



20mm

Electrodes



Electrode Arrays

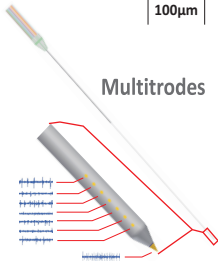


Tetrodes

Heptodes

100µm

Multitrodes



**Booth # 30**

Thomas RECORDING is BERNSTEIN Partner:



[www.ThomasRECORDING.com](http://www.ThomasRECORDING.com)



## Exhibitors

The conference is generously supported by:

**Agntho's** (Booth No. 7)

Pyrolavägen 3, 18160 Lidingö, Sweden  
[www.agnthos.se](http://www.agnthos.se)

**Actual Analytics** (Booth No. 51)

Appleton Tower, 11 Crichton Street, Edinburgh, EH8 9LE, UK  
[www.actualanalytics.com](http://www.actualanalytics.com)

**Bernstein Network Computational Neuroscience**

Hansastr. 9a, 79104 Freiburg  
[www.nncn.de](http://www.nncn.de)

**Berthold Detection Systems GmbH** (Booth No. 19)

Bleichstr. 56-58, 75173 Pforzheim  
[www.berthold-ds.com](http://www.berthold-ds.com)

**Bilaney Consultants GmbH** (Booth No. 31)

Schirmerstr. 23, 40211 Düsseldorf  
[www.bilaney.de](http://www.bilaney.de)

**Bitplane** (Booth No. 3)

7 Millenium Way, Springvale Business Park, Belfast,  
BT12 7AL, Northern Ireland  
[www.bitplane.com](http://www.bitplane.com)

**Bio Trend Chemikalien GmbH** (Booth No. 34)

Eupener Str. 157, 50933 Köln  
[www.biotrend.com](http://www.biotrend.com)

**BIOZOL Diagnostica Vertrieb GmbH** (Booth No. 46)

Obere Hauptstr. 10b, 85386 Eching  
[www.biozol.de](http://www.biozol.de)

**Blackrock Microsystems** (Booth No. 54)

391, Chipeta Way, Steg, Salt Lake City, UT84108, USA  
[www.blackrockmicro.com](http://www.blackrockmicro.com)

**Campden Instruments Ltd.** (Booth No. 60)

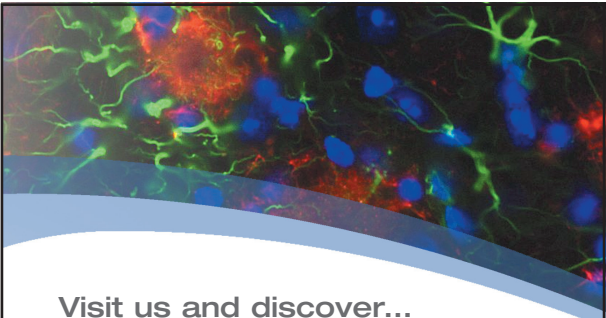
4 Park Road, Sileby, Loughborough, LE12 715, UK  
[www.campdeninstruments.com](http://www.campdeninstruments.com)

**Carl Zeiss Microlmaging GmbH** (Booth No. 47)

Königsallee 9 – 21, 37081 Göttingen  
[www.zeiss.de/micro](http://www.zeiss.de/micro)

**Charles River** (Booth No. 37)

Sandhofer Weg 7, 97633 Sulzfeld  
[www.criver.com](http://www.criver.com)



Visit us and discover...

# The leading tools in neuroscience research

At MBF, we are dedicated to providing you with the most comprehensive microscopy image analysis solutions and the best support in the industry. We invite you to view our latest product offerings, including our new multi-channel confocal stereology system.

---

**Neurolucida®**  
Neuroanatomical Analysis

---

**Stereo Investigator®**  
Unbiased Stereology

---

**AutoNeuron®**  
Automated Neuron Tracing

---

**Virtual Slice™**  
Full-Slide Imaging

**web** [www.mbfbioscience.com](http://www.mbfbioscience.com)  
**email** [info@mbfbioscience.com](mailto:info@mbfbioscience.com)  
**phone** +49 (0)391 732 6989



MicroBrightField Europe e.K.

*Providing solutions to neuroscience researchers for over 18 years*



**Data Sciences International** (Booth No. 48)  
In den Brühlwiesen 7c, 61352 Bad Homburg  
[www.datasci.com](http://www.datasci.com)

**Dichrom GmbH** (Booth No. 6)  
Gröwenkolkstr. 66, 45770 Maul  
[www.dichrom.com](http://www.dichrom.com)

**Digitimer Limited** (Booth No. 24)  
37 Hydeway, Welwyn Garden City AL7 3BE, UK  
[www.digitimer.com](http://www.digitimer.com)

**Electrical Geodesics, Inc. (EGI)** (Booth No. 57)  
1600 Milrace Drive, Suite 307, Eugene, OR 97403, USA  
[www.egi.com](http://www.egi.com)

**Enzo Life Sciences GmbH** (Booth No. 49)  
Marie-Curie-Str. 8, 79539 Lörrach  
[www.enzolifesciences.com](http://www.enzolifesciences.com)

**Fine Science Tools GmbH** (Booth No. 4)  
Im Weiher 12, 69121 Heidelberg  
[www.finescience.de](http://www.finescience.de)

**Gatan GmbH** (Booth No. 20)  
Ingolstädter Str. 12, 80807 München  
[www.gatan.com](http://www.gatan.com)

**Hamamatsu Photonics Deutschland GmbH**  
(Booth No. 35)  
Arzbergerstr. 10, 82211 Herrsching  
[www.hamamatsu.de](http://www.hamamatsu.de)

**HEKA Elektronik Dr. Schulze GmbH** (Booth No. 29)  
Wiesenstr. 71, 67466 Lambrecht  
[www.heka.com](http://www.heka.com)

**HISS Diagnostics GmbH** (Booth No. 59)  
Colombistr. 27, 79098 Freiburg  
[www.hiss-dx.de](http://www.hiss-dx.de)

**Hugo Sachs Elektronik – Harvard Apparatus GmbH**  
(Booth No. 69)  
Gruenstr. 1, 79232 March-Hugstetten  
[www.hugo-sachs.de](http://www.hugo-sachs.de)

**IBA GmbH** (Booth No. 1)  
Rudolf-Wissel-Str. 28, 37079 Göttingen  
[www.iba-biotagnology.com](http://www.iba-biotagnology.com)

**ibidi GmbH** (Booth No. 16)  
Am Klopferspitz 19, 82152 Martinsried  
[www.ibidi.de](http://www.ibidi.de)

## ELC Series

### Versatile All-in-One Amplifiers



**ELC-03XS**



**ELC-01X**



**ELC-01MX**

Juxtacellular filling of dyes and DNA, extra- and intracellular recordings, whole-cell patch clamp in CC or VC mode, single cell stimulation and electroporation, and iontophoresis

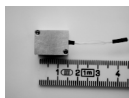
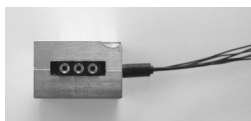
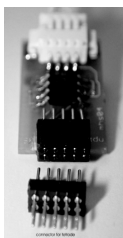
## Recording with Two Tetrodes



Headstage

**EXT-T2**

## Miniature headstages for *in vivo* Experiments



## npi electronic GmbH

Hauptstrasse 96, D-71732 Tamm, Germany

Phone +49 (0)7141-9730230; Fax: +49 (0)7141-9730240

support@npielelectronic.com; <http://www.npielectronic.com>



**Intelligent Imaging Innovations GmbH** (Booth No. 11)  
Königsallee 9 – 21, 37081 Göttingen  
[www.intelligent-imaging.com](http://www.intelligent-imaging.com)

**Jackson ImmunoResearch Europe Ltd.**  
(Booth No. 27)  
Unit 7, Acorn Business Centre, Oaks Drive,  
Newmarket, Suffolk CB8 7SY, UK  
[www.jireurope.com](http://www.jireurope.com)

**Kleindiek Nanotechnik GmbH** (Booth No. 45)  
Aspenhastr. 25, 72770 Reutlingen  
[www.nanotechnik.com](http://www.nanotechnik.com)

**LaVision BioTec GmbH** (Booth No. 40)  
Meisenstr. 65, 33607 Bielefeld  
[www.lavisionbiotech.com](http://www.lavisionbiotech.com)

**Lehmans Media** (Booth No. 71-73)  
Weender Str. 87, 37073 Göttingen  
[www.lehmans.de](http://www.lehmans.de)

**Leica Mikrosysteme Vertrieb GmbH** (Booth No. 44)  
Ernst-Leitz-Str. 17 – 37, 35578 Wetzlar  
[www.leica-microsystems.com](http://www.leica-microsystems.com)

**Lohman Research Equipment** (Booth No. 22)  
Am Förderturm 9, 44575 Castrop-Rauxel  
[www.lohres.de](http://www.lohres.de)

**Luigs & Neumann Feinmechanik + Elektrotechnik GmbH** (Booth No. 28)  
Boschstraße 19, 40880 Ratingen  
[www.luigs-neumann.com](http://www.luigs-neumann.com)

**Metris** (Booth No. 55a)  
Holland Office Center (Gebouw 1), Kruisweg 825, 2132 NG  
Hoofddorp, The Netherlands  
[www.metris.nl](http://www.metris.nl)

**Microbrightfield Europe e.K.** (Booth No. 15)  
Matthissonstr. 6, 39108 Magdeburg  
[www.mbfbioscience.com](http://www.mbfbioscience.com)

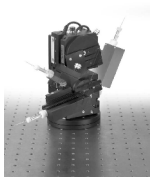
**Millipore GmbH** (Booth No. 64+65)  
Am Kronberger Hang 5, 65824 Schwalbach  
[www.millipore.com](http://www.millipore.com)

**Miltenyi Biotec GmbH** (Booth No. 42a)  
Friedrich-Ebert-Str. 68, 51429 Bergisch Gladbach  
[www.miltenyibiotec.com](http://www.miltenyibiotec.com)



# **Scientifica**

## Precise Micromanipulation



The PatchStar is a high precision, stable and motorized manipulator, controlled by a cube, a PatchPad or a joystick

**PatchStar**

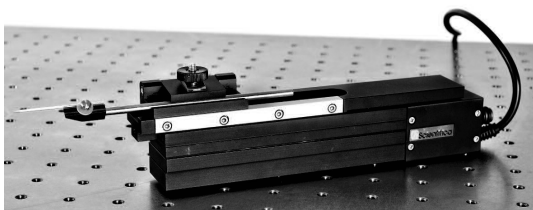
## Motorized Microscope

The SliceScope is a motorized microscope for imaging and electrophysiology. Based around superior Olympus BX51/61WI optics it is ultra stable and offers low-noise operation for demanding experiments



**SliceScope**

## In vivo Micromanipulator



**IVM-1000**

Ultra stable and smooth single axis micromanipulator with 70 mm travel for thick slice or *in vivo* preparations. Ideal for sharp electrodes or extracellular recording

**Distributed by**

**npi**  
Electronic Instruments  
for the Life Sciences

*made to measure*

**npi electronic GmbH, Hauptstrasse 96  
D-71732 Tamm, Germany  
[www.npielectronic.com](http://www.npielectronic.com), [sales@npielelectronic.com](mailto:sales@npielelectronic.com)**



**MoBitec GmbH** (Booth No. 12)  
Lotzestr. 22a, 37083 Göttingen  
[www.mobitec.com](http://www.mobitec.com)

**Moor Instruments GmbH** (Booth No. 68)  
Südallee 2, 53424 Remagen  
[www.moor.co.uk.com](http://www.moor.co.uk.com)

**Multi Channel Systems MCS GmbH** (Booth No. 42)  
Aspenhastr. 21, 72770 Reutlingen  
[www.multichannelsystems.com](http://www.multichannelsystems.com)

**NAN Instruments Ltd.** (Booth No. 52)  
9 Hayetzira St. Industrial park, Nazareth Illit, Israel  
[www.NANInstruments.com](http://www.NANInstruments.com)

**Narishige International Limited** (Booth No. 8+9)  
Unit 7, Willow Business Park, Willow Way, London,  
DE26 4QP, UK  
[www.narishige.co.jp/nil](http://www.narishige.co.jp/nil)

**Neurostar GmbH** (Booth No. 18)  
Dachsklingeweg 17, 71067 Sindelfingen  
[www.neurostar.de](http://www.neurostar.de)

**Nikon GmbH** (Booth No. 21)  
Tiefenbroicher Weg 25, 40472 Düsseldorf  
[www.nikon-instruments.com](http://www.nikon-instruments.com)

**Noldus Information Technology** (Booth No. 33)  
Nieuwe Kanaal 5, 5700 AG Wageningen, The Netherlands  
[www.noldus.com](http://www.noldus.com)

**npi electronic GmbH** (Booth No. 36)  
Hauptstr. 96, 71732 Tamm  
[www.npielectronic.com](http://www.npielectronic.com)

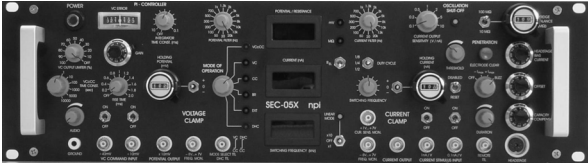
**Olympus Deutschland GmbH** (Booth No. 38)  
Wendenstraße 14-18, 20097 Hamburg  
[www.olympus.de](http://www.olympus.de)

**PeptoTech GmbH** (Booth No. 26)  
Oberaltenallee 8, 22081 Hamburg  
[www.peprotech.de](http://www.peprotech.de)

**Perimed AB** (Booth No. 66)  
Datavägen 9A, SE-175 43 Järfälla-Stockholm, Sweden  
[www.perimed.se](http://www.perimed.se)

**PhenoSys GmbH** (Booth No. 67)  
Droysenstr. 8, 10629 Berlin  
[www.phenosys.com](http://www.phenosys.com)

## Single Electrode High Speed Voltage/Patch Clamp Amplifiers



### Optional features of npi's SEC amplifiers

- ⇒ **VCcCC** option:  
**V**oltage **C**lamp controlled **C**urrent **C**lamp  
Ref.: Sutor et al. (2003), Pflügers Arch. 446:133-141
- ⇒ **DHC** option:  
**D**ynamic **H**ybrid **C**lamp  
Ref.: Dietrich et al. (2002), J.Neurosci.Meth. 116:55-63
- ⇒ **MODULAR** option (**SEC-03M**):  
Versatility of the SEC in modular design
- ⇒ **LINEAR** option:  
**VCx1**: reduced noise for small currents  
**CC/VCx10**: electroporation of dyes and DNA
- ⇒ **SYNC** option:  
Two SEC for recording from coupled cells
- ⇒ **Miniature headstage** option:  
For *in vivo* recording from moving animals

### Other npi electronic instruments

- Complete rigs
- Two Electrode voltage clamp amplifiers
- Bridge-/Intracellular amplifiers
- Extracellular amplifiers
- Universal ELC amplifiers
- EPMS modular system, Low pass Bessel filters
- Temperature control systems
- Fast iontophoretic drug application systems
- Fast pneumatic drug application systems
- ALA Scientific** perfusion systems and accessories
- EXFO Burleigh** micropositioners
- Scientifica** PatchStar, IVM and LBM-7,  
posts and platforms, and automated SliceScope

### npi electronic GmbH

Hauptstrasse 96, D-71732 Tamm, Germany  
Phone +49 (0)7141-9730230; Fax: +49 (0)7141-9730240  
support@npielectronic.com; <http://www.npielectronic.com>



**PHYWE Systeme GmbH & Co. KG** (Booth No. 58)  
Robert-Bosch-Breite 10, 37079 Göttingen  
[www.phywe.de](http://www.phywe.de)

**Proteintech Europe Limited** (Booth No. 50)  
Manchester Science Park, Kilburn House, Lloyd Street North,  
Manchester, M15 6SE, UK  
[www.ptglab.com](http://www.ptglab.com)

**R & D Systems GmbH** (Booth No. 43)  
Borsigstr. 7, 65205 Wiesbaden  
[www.rndsystems.com](http://www.rndsystems.com)

**Rapp OptoElectronic GmbH** (Booth No. 61)  
Gehlenkamp 9a, 22559 Hamburg  
[www.rapp-opto.com](http://www.rapp-opto.com)

**Sanofi-Aventis Deutschland GmbH** (Booth No. 56)  
Potsdamer Str. 8, 10785 Berlin  
[www.sanofi-aventis.de](http://www.sanofi-aventis.de)

**Science Products GmbH** (Booth No. 14)  
Hofheimer Str. 63, 65719 Hofheim  
[www.science-products.com](http://www.science-products.com)

**Sensapex Oy** (Booth No. 23)  
Mallastie 13B, 90520 Oulu, Finland  
[www.sensapex.com](http://www.sensapex.com)

**SensoMotoric Instruments GmbH** (Booth No. 53)  
Warthestr. 21, 14513 Teltow  
[www.smivision.com](http://www.smivision.com)

**Stoelting Europe** (Booth No. 62+63)  
3 Ardee Road, Rathmines, Dublin 6, Ireland  
[www.stoeltingeurope.com](http://www.stoeltingeurope.com)

**SOMNOmedics GmbH** (Booth No. 2)  
Am Sonnenstuhl 63, 97236 Randersacker  
[www.somnomedics.de](http://www.somnomedics.de)

**Synaptic Systems GmbH** (Booth No. 13)  
Rudolf-Wissell-Str. 26, 37079 Göttingen  
[www.ssys.com](http://www.ssys.com)

**Thermo Scientific** (Booth No. 55c+55d)  
Industriezone III, Industrielaan 27, 9320 Eredebodegem,  
Belgium  
[www.thermo.com](http://www.thermo.com)

**Thomas Recording GmbH** (Booth No. 30)  
Winchester Str. 8, 35394 Gießen  
[www.thomasrecording.com](http://www.thomasrecording.com)



**TILL Photonics GmbH** (Booth No. 39)  
Lochhamer Schlag 21, 82166 Gräfelfing  
[www.till-photonics.com](http://www.till-photonics.com)

**Tobii Technology GmbH** (Booth No. 70)  
Niederuau 45, 60325 Frankfurt/Main  
[www.tobii.com](http://www.tobii.com)

**TSE Systems GmbH** (Booth No. 41)  
Siemensstr. 21, 61352 Bad Homburg  
[www.tse-systems.com](http://www.tse-systems.com)

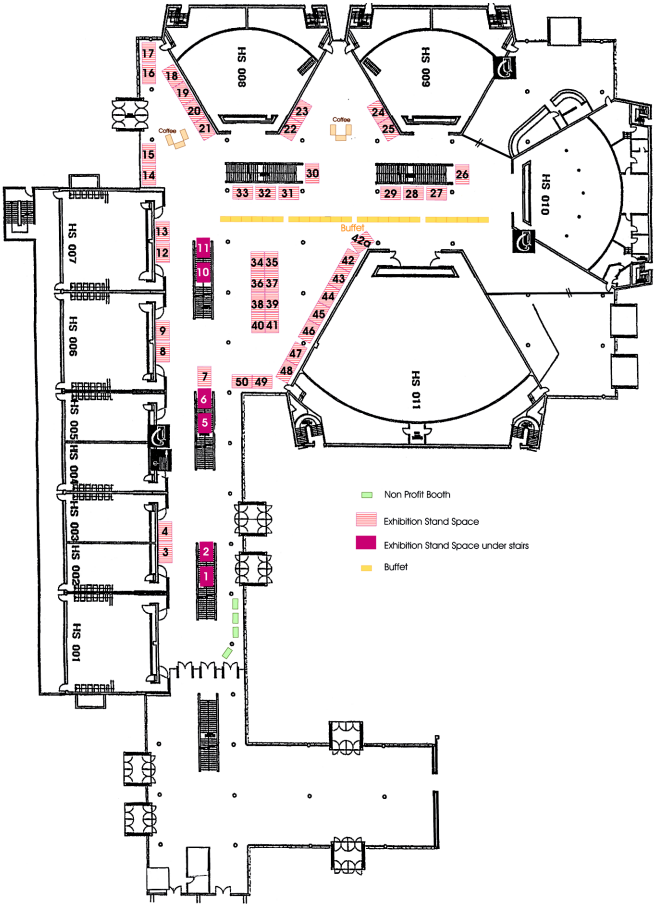
**Visitron Systems GmbH** (Booth No. 25)  
Gutenbergstr. 9, 82178 Puchheim  
[www.visitron.de](http://www.visitron.de)

**von Gegerfelt Photonics** (Booth No. 10)  
Hermann-Löns-Str. 4, 64625 Bensheim  
[www.vgphotonics.eu](http://www.vgphotonics.eu)

**World Precision Instruments** (Booth No. 32)  
Zossener Str. 55, 10961 Berlin  
[www.wpi-europe.com](http://www.wpi-europe.com)

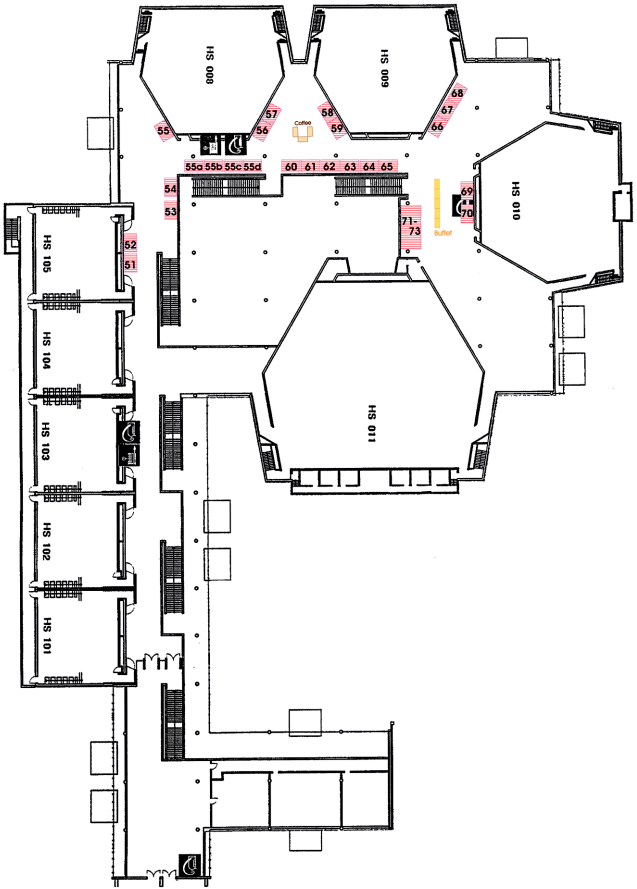


# Exhibition Floor Plan Ground Floor



The booth numbers behind the company's name refer to the booth numbers on the floor plan.

# Exhibition Floor Plan First Floor





## List of Advertisers

- Fine Science Tools GmbH (p. 2)
- Gatan GmbH (p. 6, 7)
- Hugo Sachs Elektronik - Harvard Apparatus GmbH (cover)
- Intelligent Imaging Innovations GmbH (p. 23)
- Leica Microsysteme Vertrieb GmbH (insert)
- MicroBrightField Europe e.K. (p. 11)
- Multi Channel Systems MCS GmbH (insert)
- Narishige International Ltd. (p. 27)
- Neurostar GmbH (insert)
- Noldus Information Technology (p. 29)
- npi electronic GmbH (p. 13, 15, 17)
- S. Karger AG (insert)
- Science Products GmbH (p. 25)
- Spektrum der Wissenschaft (insert)
- Thomas Recording GmbH (p. 9)
- TSE (cover)





**3i** Intelligent  
Imaging  
Innovations

## ***Solutions for Advanced Fluorescence Microscopy***

### **Systems**

- ***Marianas™*** – Fluorescence Imaging Workstation for multi-dimensional live cell imaging, tailored to specific applications
- ***Marianas™ SDC*** – Spinning Disk Confocal Workstations for fast and long term live cell imaging
- ***Vivo™*** – turn-key system designed specifically for the most demanding intravital imaging applications
- ***Vivo™ 2p*** - high-speed multiphoton imaging of live animals and tissue. Using a resonant scanner, imaging speed up to 60 frames per second.

### **System options and add-ons:**

- ***Vector™ – Fast Galvo Scanner*** photobleaching, photoablation, photoactivation, in widefield and confocal imaging
- ***FLIM*** – upgrade any system with our integrated frequency domain lifetime imaging setup to do widefield FLIM, TIRF-FLIM, SDC-FLIM
- ***FastSAC™ – Motorized Spherical Aberration Correction Optics*** – considerably improve the quality of 3D widefield and 3D confocal images

**Systems.Hardware.Software.Solutions.**

**Intelligent Imaging Innovations GmbH  
Königsallee 9-21, 37081 Göttingen, Germany  
3ieurope@intelligent-imaging.com**

## Awards

### **TILL Photonics Technology Award of the German Neuroscience Society 2011**

This prize is awarded by the German Neuroscience Society for outstanding contributions to the development of new technologies in the field of brain research. The prize money is donated by the company TILL Photonics GmbH in Gräfel-fing.

This award supports young researchers of an age under 35. The sum awarded is 2.500 Euro. Qualified research is reflected in outstanding publications. Eligible are scientists either working in a German laboratory or she/he is a German native working abroad. Applications from all fields of neuroscience research are invited. The candidate either applies directly for the award or is nominated by another person. Being a member of the German Neuroscience Society is not mandatory.

The prize was given for the first time in 2003. It is awarded during the Congress of the German Neuroscience Society in Göttingen.

**TILL Photonics GmbH**  
Lochhamer Schlag 21  
82166 Gräfel-fing  
[www.till-photonics.com](http://www.till-photonics.com)



### **Schilling-Research Award of the German Neuroscience Society 2011**

This prize is awarded by the German Neuroscience Society for outstanding contributions in the field of brain research. The award supports young researchers up to the age of 35. The prize money amounts to 20.000 Euro. Qualified research is reflected in outstanding publications. The applicant can either work in a German laboratory or she/he is of German origin working abroad. The application can be submitted by the applicant her-/himself or the candidate can be nominated. Applications from all fields of neuroscience research are invited. Being a member of the German Neuroscience Society is not mandatory.

The prize was given for the first time in 2005 during the 6<sup>th</sup> conference of the German Neuroscience Society in Göttingen.

**Stifterverband für die Deutsche Wissenschaft**  
Postfach 164460  
45224 Essen  
[www.stifterverband.de](http://www.stifterverband.de)

Both prize winners will present their work in a lecture on Friday, March 25, between 15:00 and 16:00 h.

*Amplifiers  
Data Acquisition and Data  
Analysis Systems  
Electrodes, Wires & Glasses  
Electrode Holders  
Micropipette Pullers  
Microforges and Bevelers  
Micromanipulators  
Microinjection Systems  
Perfusion Systems  
Stereotaxic Instruments  
Stimulators and Stimulus  
Isolators  
Tables and Faraday Cages  
Temperature Controllers*

*... and more!*





## Young Investigator Stipends

### Travel grants from the German Neuroscience Society

The following applicants were granted a travel stipend amounting to 300 Euro from the German Neuroscience Society:

- Tom Baden (Tübingen, Germany)
- Carlos Bas Orth (Heidelberg, Germany)
- Susanne Brummelte (Vancouver, Canada)
- Stefano Cardanobile (Freiburg, Germany)
- Moritz Deger (Freiburg, Germany)
- Daniela Flügge (Aachen, Germany)
- Felipe Gerhard (Lausanne, Switzerland)
- Max Happel (Magdeburg, Germany)
- Stuart Johnson (Sheffield, United Kingdom)
- Veronika Kuscha (Edinburgh, United Kingdom)
- Nicola Maggio (Rehovot, Israel)
- Gemma Mazzuoli (Freising, Germany)
- Angela Neitz (Mainz, Germany)
- Wiebke Nissen (Oxford, United Kingdom)
- Sreedharan Sajikumar (Braunschweig, Germany)
- Nicoletta Savalli (Milan, Italy)
- Biswa Sengupta (Cambridge, United Kingdom)
- Tanja Steininger (Salzburg, Austria)
- Sergiy Sylantyev (London, United Kingdom)
- Sandra Tolnai (Oxford, United Kingdom)
- Sandra Werner (Freiburg, Germany)



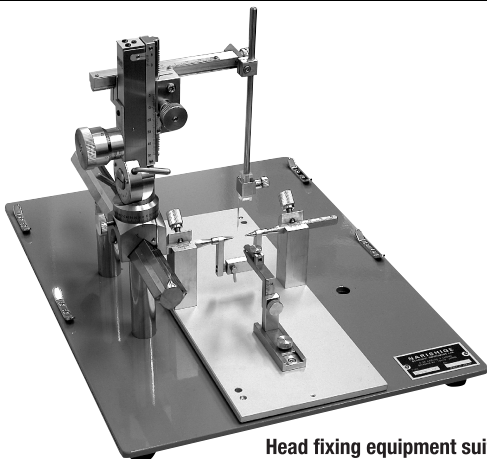


# NARISHIGE

*Craftsman for your solutions*

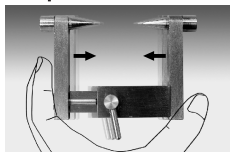
**Q: How do Narishige's stereotaxic instruments perform?**

**A: Easily, reliably, smoothly and softly.**

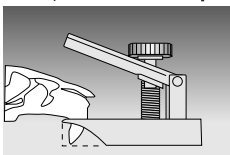


**Head fixing equipment suitable for MRI examination**

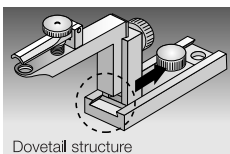
**Auxiliary ear bar that's easy to manipulate with one hand**



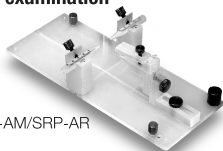
**Small, thin mouth clamp**



**Smooth position adjustment movement**

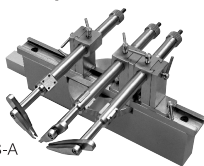


Dovetail structure



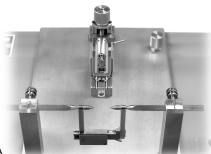
SRP-AM/SRP-AR

**Firm yet gentle fixing of the delicate spinal cord**



STS-A

**Precise adjustment mechanism for mice and new-born rats**



SRS-A

<http://uk.narishige-group.com/>

**NARISHIGE INTERNATIONAL LTD.**

Unit 7, Willow Business Park Willow Way, London SE26 4QP, UK.  
Tel: +44 (0) 20 8 699 9696 Fax: +44 (0) 20 8 291 9678  
e-mail: [eurosales@narishige.co.uk](mailto:eurosales@narishige.co.uk)



## Committees and Organization

### Program Committee

Sigrun Korsching  
(President)  
Ad Aertsen  
Mathias Bähr  
Ulrich Dirnagl  
Andreas Draguhn  
Andreas Engel  
Herta Flor  
Michael Frotscher  
Eckart Gundelfinger  
Hanns Hatt  
Erwin Neher  
Rainer Schwarting  
Monika Stengl  
Stefan Treue

### Scientific Organization

Sigrun Korsching  
Institut für Genetik der Universität zu Köln

### Local Organization

Mathias Bähr  
Inga Zerr  
Gabi Schelzke  
Maren Breithaupt

Universitätsklinik Göttingen  
Neurologie  
Robert-Koch-Str. 40  
37075 Göttingen  
Tel.: +49 551 39 6636; Fax: +49 551 39 7020  
E-Mail: epicjd@med.uni-goettingen.de

### NWG Office

Geschäftsstelle der Neurowissenschaftlichen Gesellschaft e.V.  
Stefanie Korthals/Meino Alexandra Gibson  
Max Delbrück Center for Molecular Medicine (MDC)  
Robert-Rössle-Str. 10  
13125 Berlin  
Tel.: +49 30 9406 3127, Fax: +49 30 9406 2813  
E-Mail: korthals@mdc-berlin.de / gibson@mdc-berlin.de

### Homepage

[www.nwg-goettingen.de/2011](http://www.nwg-goettingen.de/2011)

# Noldus

Information Technology

## No limits to behavioral testing!

- Track and describe behavior accurately
- Create fully automated experiments
- Integrate physiological data streams
- Use products that are highly validated
- Find citations in thousands of publications



**EthoVision<sup>®</sup> XT** – versatile video tracking software for the automated tracking and analysis of animal behavior, movement, and activity - for virtually every test set-up!

**The Observer<sup>®</sup> XT** – the most powerful and user friendly event logging software for the collection, analysis, and presentation of observational data.

**CatWalk<sup>™</sup>** – the innovative video-based system for the quantitative assessment of locomotor performance and gait adaptations in voluntarily walking mice and rats.

**DanioVision<sup>™</sup>** – a compact, plug-and-play system for the high throughput measurement of zebrafish larvae activity, movement, and behavior in multi-well plates - powered by EthoVision XT.

**Visit us at booth #33**

Innovative solutions for animal behavior research  
[www.noldus.com](http://www.noldus.com)



## General Information

### Venue

Central Lecture Hall Building (Zentrales Hörsaalgebäude),  
Georg August University Göttingen, Platz der Göttinger  
Sieben

### Conference Office

During the meeting the conference office is open on  
Wednesday, March 23, from 12 to 7 p.m. and from  
Thursday, March 24 to Saturday, March 26, from 8  
a.m. to 9 p.m. and on Sunday, March 27, from 8  
a.m. to 1 p.m.

Phone: +49 551/39 9594

Fax: +49 551/39 9596

E-Mail: [nwg2011@med.uni-goettingen.de](mailto:nwg2011@med.uni-goettingen.de)

### Exhibition

The exhibition is open on Thursday, March 24 and Friday,  
March 25, 2011 from 9 a.m. to 7 a.m. and on Saturday,  
March 26, 2011 from 9 a.m. to 3 p.m.

### Public Transportation and Travel

The meeting site is only about ten minutes walk from the  
center of the city and from the train station. Bus lines No. 2,  
3, 5, 9, 10, 12 and 14 stop near the venue. The bus stops  
are called Auditorium, Kreuzbergring, Blauer Turm, Cam-  
pus.

### Registration

On site registration will be available. Please pay in cash or  
by Visa or Eurocard.

EUR 130	(FENS members or members of the German Neuroscience Society)
EUR 180	(non-members)
EUR 80	(FENS student members or members of the German Neuroscience Society)
EUR 120	(student non-members)

Students must show a copy of their student identity card.

The registration fee includes:

- free access to the scientific program
- congress bag
- abstract CD
- program booklet
- evening reception with food and drinks at the meeting site  
on Thursday, Friday and Saturday
- coffee breaks



## Map of Göttingen





## Lunch

Lunch is available from Wednesday to Saturday in the Mensa in the same building.

## Internet Access

As a special service we offer an 'Internet Café' to provide free Internet access for all participants of the meeting.

WLAN is available in the building as well.

## Poster Presentations

Each poster will hang for one day. Posters with poster numbers containing A will hang on Thursday, posters with poster numbers containing B will hang on Friday, and posters with poster numbers containing C will hang on Saturday (see also explanation on page 104).

The presenting author of each poster is requested to be present at her/his poster during the poster session. The poster sessions are divided into odd and even serial numbers. Each poster is presented in two sessions of one hour.

### **Posters with numbers containing A**

Thursday, March 24, 2011

(hanging of posters: before 12:45)

12:45 - 13:45 odd serial numbers (e.g. T20-1A)

13:45 - 14:45 even serial numbers (e.g. T20-2A)

16:00 - 17:00 odd serial numbers (e.g. T20-1A)

17:00 - 18:00 even serial numbers (e.g. T20-2A)

(all posters must be removed immediately after 18:00)

### **Posters with numbers containing B**

Friday, March 25, 2011

(hanging of posters: before 13:00)

13:00 - 14:00 odd serial numbers (e.g. T20-1B)

14:00 - 15:00 even serial numbers (e.g. T20-2B)

16:00 - 17:00 odd serial numbers (e.g. T20-1B)

17:00 - 18:00 even serial numbers (e.g. T20-2B)

(all posters must be removed immediately after 18:00)

<http://forum.fens.org/2012>

**8<sup>th</sup>**  
**FENS**  
**FORUM OF**  
**NEUROSCIENCE**

**July 14–18, 2012**

**Barcelona | Spain**

Organized by the  
Federation of European Neuroscience  
Societies | FENS  
<http://www.fens.org>

Hosted by the  
Sociedad Española de Neurociencia  
<http://www.websenc.es/>



**A must in Europe**  
**for neuroscientists all over the world**



## **Posters with numbers containing C**

Saturday, March 26, 2011

(hanging of posters: before 13:00)

13:00 - 14:00 odd serial numbers (e.g. T20-1C)

14:00 - 15:00 even serial numbers (e.g. T20-2C)

16:00 - 17:00 odd numbers (e.g. T20-1C)

17:00 - 18:00 even numbers (e.g. T20-2C)

(all posters must be removed immediately after 18:00)

Please be aware that the registration number you received is NOT corresponding to your poster number. You can easily find your poster using the online itinerary planer ([www.nwg-goettingen.de/2011](http://www.nwg-goettingen.de/2011)) or with the authors' index in this program booklet.

The size of the poster is 1 x 1 m. Pins to hang your poster will be available.

## **Projection**

The standard equipment in all lecture rooms is one PowerPoint projector as well as one overhead, but there are not two. We therefore have to ask you to present your talk without double projection. Please be so kind and save your presentation in power point on a USB stick. Furthermore, we must point out that only one tape recorder for all lecture rooms is available. In any case, if you have special requirements regarding projection, please let us know by March 1, 2011 at the latest (contact: [epicjd@med.uni-goettingen.de](mailto:epicjd@med.uni-goettingen.de)). All such requests will be collected up to that date, after which you will be informed about possible options.

## **Language**

The official language of this meeting is English.

## **Hotels**

The travel agency responsible for hotel reservation is the Deutsche Reisebüro Berlin (Annemarie van der Hoff, DER Deutsches Reisebüro GmbH & Co. OHG, Theodor-Heuss-Platz 2, 14052 Berlin, Tel.: +49 30 302 5002, Fax: +49 30 301 9768, E-Mail: [annemarie.vanderhoff@der.de](mailto:annemarie.vanderhoff@der.de)).

## **Insurance**

The organizers do not take responsibility for individual medical, travel or personal insurance. Participants are advised to carry out their own insurance policies.

## Electricity Supply

220 V - 50 Hz AC.

# Neuro-Party

NEUROWISSENSCHAFTLICHE  
GESELLSCHAFT



## Thursday, March 24<sup>th</sup>

Come together

after the

scientific

program

at

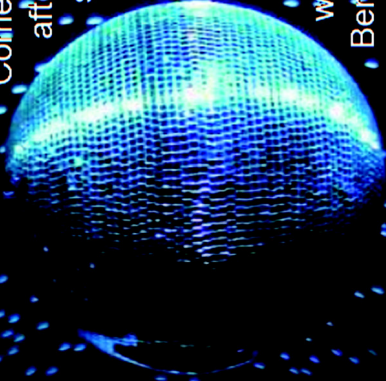
9:00 p.m.

Savoy Club

Göttingen

[www.club-savoy.de](http://www.club-savoy.de)

Berliner Str. 5



Free entrance for all participants, others 3,-€  
Happy hour from 9-10 p.m.



## Scientific Program

### Wednesday, March 23, 2011

- 13:00 - 19:00 *Satellite Symposium, Lecture hall of  
MPI for Experimental Medicine*  
**2<sup>nd</sup> Schram Foundation  
Symposium „From the synapse to  
neurological disease“**  
*Chair: Michael R. Kreutz and Britta  
Qualmann, Magdeburg and Jena*

### Thursday, March 24, 2011

- 9:00 - 12:00 **Symposia I (S1 - S6)**  
 9:00 - 12:00 *Symposium 1, Hall 9*  
**Molecular mechanisms  
controlling neurogenesis and  
tumorigenesis in the CNS stem  
cells**  
*Chair: Rainer Glass and Michael  
Synowitz, Berlin*
- 9:00 - 12:00 *Symposium 2, Hall 10*  
**Levels of olfactory plasticity in  
insects**  
*Chair: Sylvia Anton and Wolfgang  
Rössler, Versailles (France) and  
Würzburg*
- 9:00 - 12:00 *Symposium 3, Hall 104*  
**Perspectives of small-animal  
PET and SPECT imaging in  
neuroscience**  
*Chair: Heike Endepols and Jürgen  
Goldschmidt, Köln and Magdeburg*
- 9:00 - 12:00 *Symposium 4, Hall 11*  
**Principles of neural function –  
how theories inspire experiments**  
*Chair: Jan Benda and Rüdiger  
Krahe, Martinsried and Montreal  
(Canada)*



- 9:00 - 12:00 **Symposium 5, Hall 8**  
**Neuropeptides and endocannabinoids - Key players in the modulation of behavioral processes**  
*Chair: Markus Fendt and Michael Koch, Basel (Switzerland) and Bremen*
- 9:00 - 12:00 **Symposium 6, Hall 105**  
**Motor neuron disease models: Loss of function or gain of toxic function? Molecular mechanisms and therapeutic perspectives**  
*Chair: Albrecht M. Clement and Christian Behl, Mainz*
- 12:00 - 13:00 **Lunch Break**
- 12:00 - 12:45 **Special session on the occasion of the 100<sup>th</sup> birthday of the neurologist Richard Jung, Hall 102**  
*Chair and Introduction: Hans-Joachim Freund, Ratingen*  
 Ulf Eysel, Bochum  
**Richard Jung - Discoveries and impact of a German pioneer in neuroscience**
- 12:00 - 13:00 **CARE Workshop, Hall 101**  
*Stefan Treue, Göttingen*  
**Neuroscience research using animals: The legal, ethical and political situation**
- 12:45 - 14:45 **Poster Session I: Posters A**  
 12:45 - 13:45 Odd serial numbers  
 13:45 - 14:45 Even serial numbers
- 13:00 - 14:00 **Nanion Patch Clamp Workshop, Hall 6**
- 14:45 - 15:00 **Opening Ceremony, Hall 11**
- 15:00 - 16:00 **Plenary Lecture, Hall 11 (Opening Lecture)**  
*Chair: Sigrun Korsching, Köln*  
 André Fischer, Göttingen  
**The epigenome of neurodegenerative disease: Novel strategies to treat dementia**
- 16:00 - 18:00 **Poster Session II: Posters A**  
 16:00 - 17:00 Odd serial numbers  
 17:00 - 18:00 Even serial numbers



- 18:00 - 19:00 **Plenary Lecture, Hall 11**  
**(K. J. Zülch Lecture)**  
 Chair: *Mathias Bähr, Göttingen*  
*Florian Holsboer, München*  
**The future of depression research**
- 19:00 - 20:00 **Cold Buffet in the Foyer**
- 20:00 - 21:00 **Plenary Lecture, Hall 11**  
 Chair: *Stefan Treue, Göttingen*  
*John Maunsell, Boston (USA)*  
**Neuronal mechanisms of attention in monkey visual cortex**

## Friday, March 25, 2011

- 9:00 - 12:00 **Symposia II (S 7 - S 12)**  
 9:00 - 12:00 Symposium 7, Hall 8  
**Adult neural stem cells in the physiology and repair**  
 Chair: *Jürgen Winkler and Dieter Chichung Lie, Erlangen and München*
- 9:00 - 12:00 Symposium 8, Hall 9  
**Peripheral mechanisms in olfaction**  
 Chair: *Benjamin Kaupp and Sigrun Korsching, Bonn and Köln*
- 9:00 - 12:00 Symposium 9, Hall 105  
**Plasticity in the human visual system - Probing dysfunction with functional magnetic resonance imaging**  
 Chair: *Michael B. Hoffmann and Mark W. Greenlee, Magdeburg and Regensburg*
- 9:00 - 12:00 Symposium 10, Hall 11  
**Information technology meets brain research - New developments in neuroinformatics**  
 Chair: *Andreas Herz and Thomas Wachtler, Martinsried*
- 9:00 - 12:00 Symposium 11, Hall 10  
**Development of fear and anxiety in humans: Behavioural, cognitive and neural changes**  
 Chair: *Paul Pauli, Würzburg*



- 9:00 - 12:00 Symposium 12, Hall 104  
**Epilepsy – a hyperexcitation syndrome with multiple causes**  
*Chair: Carola Haas and Ute Häussler, Freiburg*
- 12:00 - 13:00 **Lunch Break**
- 12:00 - 13:00 **DFG-Seminar, Hall 101**  
*Jan Kunze und Christoph Limbach, DFG*  
**Starting your research career - DFG funding programmes and application procedures**
- 13:00 - 15:00 **Poster Session III: Posters B**  
 13:00 - 14:00 Odd serial numbers  
 14:00 - 15:00 Even serial numbers
- 15:00 - 16:00 **Awarding and Lectures, Hall 11**  
 (Schilling Research Award Lecture)  
*Chair: Eckart Gundelfinger, Magdeburg*  
 Shahaf Peleg, Göttingen  
**Memory consolidation during aging: The role of histone acetylation along gene-coding regions**  
  
 (TILL Photonics Technology Award Lecture)  
*Chair: Ulrich Dirnagl, Berlin*  
 Jan Klohs, Zürich, Switzerland  
**Non-invasive near-infrared fluorescence imaging of stroke pathophysiology**
- 16:00 - 18:00 **Poster Session IV: Posters B**  
 16:00 - 17:00 Odd serial numbers  
 17:00 - 18:00 Even serial numbers
- 18:00 - 19:00 **Cold Buffet in the Foyer**
- 19:00 - 20:00 **Plenary Lecture, Hall 11 (Roger Eckert Lecture)**  
*Chair: Erwin Neher, Göttingen*  
 Joshua Sanes, Cambridge (USA)  
**Visualizing circuits in the visual system**

# 独日神経科学

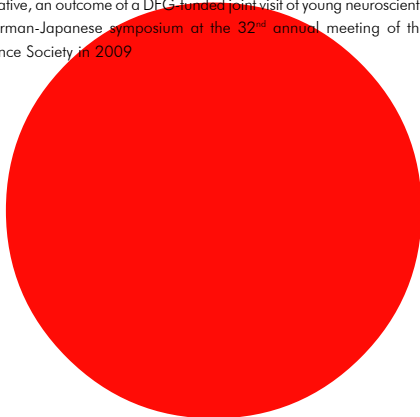
## Japanese-German social

*Friday, March 25, 2011*  
20:00 – 21:30, Room MZG 1141

Japan keeps to the highest level and hosts an impressive number of world-leading scientists and research centres in the field of neuroscience. Much like in Germany, neuroscience in Japan is based on broad and solid ground, ranging from basic research with zoological and medical roots to high-tech robotics and cutting-edge cognitive research. This clearly offers many opportunities for fruitful collaboration between Japanese and German groups, with scientific exchange between both countries holding a great potential.

The social is designed to enable first and foster existing contacts between Japanese and German researchers attending the 9<sup>th</sup> Göttingen meeting of the German Neuroscience Society in a relaxed atmosphere. Have a drink and get in contact with young upcoming or senior researchers with international reputation from „the other side“, and collect information about current programs to get your exchange visit or collaborative research funded.

Supported by the Deutsche Forschungsgemeinschaft (DFG) and organised by the Japan Neuro Initiative, an outcome of a DFG-funded joint visit of young neuroscientists to Japan and a German-Japanese symposium at the 32<sup>nd</sup> annual meeting of the Japanese Neuroscience Society in 2009





## Saturday, March 26, 2011

- 9:00 - 12:00    **Symposia III (S 13 - S 18)**  
 9:00 - 12:00    Symposium 13, Hall 9  
**Translational regulation in neurons and glial cells of the central nervous system**  
*Chair: Martin Theis and Stefan Kindler, Bonn and Hamburg*
- 9:00 - 12:00    Symposium 14, Hall 8  
**Dynamic processes in the auditory system**  
*Chair: Eckhard Friauf and Hans Gerd Nothwang, Kaiserslautern and Oldenburg*
- 9:00 - 12:00    Symposium 15, Hall 105  
**Light sensors in new light: A comparative and integrative view on photoreceptors, their function, differentiation and degeneration**  
*Chair: Uwe Wolfrum and Francois Paquet-Durand, Mainz and Tübingen*
- 9:00 - 12:00    Symposium 16, Hall 104  
**Barrel cortex function: From single cells to behaving animals**  
*Chair: Heiko Luhmann and Fritjof Helmchen, Mainz and Zürich (Switzerland)*
- 9:00 - 12:00    Symposium 17, Hall 10  
**Neurobiology of complex social behaviour: from bonding to autism**  
*Chair: Inga D. Neumann and Sabine Herpertz, Regensburg and Heidelberg*
- 9:00 - 12:00    Symposium 18, Hall 102  
**ALS, Huntington's disease and Parkinson's disease: From molecular pathogenesis to target validation in aggregopathies**  
*Chair: Jochen Weishaupt and Pawel Kermer, Göttingen*
- 13:00 - 15:00    **Poster Session V: Posters C**  
 13:00 - 14:00    Odd serial numbers  
 14:00 - 15:00    Even serial numbers

- 15:00 - 16:00 **Plenary Lecture, Hall 11  
(Ernst Florey Lecture)**  
*Chair: Monika Stengl, Kassel*  
Berthold Hedwig, Cambridge (UK)  
**Neurobiology of insect acoustic communication**
- 16:00 - 18:00 **Poster Session VI: Posters C**  
16:00 - 17:00 Odd serial numbers  
17:00 - 18:00 Even serial numbers
- 18:00 - 19:00 **Cold Buffet in the Foyer**
- 19:00 - 20:00 **Plenary Lecture, Hall 11  
(Otto Creutzfeldt Lecture)**  
*Chair: Rainer Schwarting, Marburg*  
Jan Born, Lübeck  
**The memory function of sleep**

## Sunday, March 27, 2011

- 9:00 - 12:00 **Symposia IV (S 19 - S 24)**  
9:00 - 12:00 Symposium 19, Hall 102  
**Neural cell adhesion molecule NCAM and its post-translational modifications at the crossroad of signalling pathways and neural functions**  
*Chair: Alexander Dityatev and Evgeni Ponimaskin, Genova (Italy) and Hannover*
- 9:00 - 12:00 Symposium 20, Hall 104  
**Cellular actions of neuropeptides and biogenic amines in invertebrates**  
*Chair: Wolfgang Blenau and Arnd Baumann, Potsdam and Jülich*
- 9:00 - 12:00 Symposium 21, Hall 10  
**Optogenetics in neuroscience: From basic principles to applications**  
*Chair: Tobias Moser, Stefan Treue and Hartwig Spors, Göttingen and Frankfurt/Main*



- 9:00 - 12:00      Symposium 22, Hall 105  
**Unravelling the activity-dependent mechanisms of network formation in the neonatal cortex**  
*Chair: Ileana L. Hanganu-Opatz and Kai Kaila, Hamburg and Helsinki (Finland)*
- 9:00 - 12:00      Symposium 23, Hall 8  
**The social brain - in health and disease**  
*Chair: Markus Wöhr and Konstantin Radyushkin, Marburg and Göttingen*
- 9:00 - 12:00      Symposium 24, Hall 9  
**How do neurodegenerative diseases develop and how to cure them: What can we learn from diverse animal models?**  
*Chair: Roland Brandt and Rolf Heumann, Osnabrück and Bochum*
- 12:00 - 13:00     **Plenary Lecture, Hall 11**  
*Chair: Herta Flor, Mannheim*  
Sakiko Shiga, Osaka (Japan)  
**A neurobiological approach towards insect photoperiodism**
- 13:00                **Departure**





# Neurowissenschaftliche Gesellschaft e.V.

## Ziele

Die Neurowissenschaftliche Gesellschaft e.V. hat sich zum Ziel gesetzt, die Neurowissenschaften in Forschung und Lehre zu fördern und in allen ihren Teilbereichen im In- und Ausland zu repräsentieren. Sie versucht, forschungspolitische Schwerpunkte mit neurowissenschaftlicher Thematik zu setzen und neue Konzepte anzuregen. Sie steht in Kontakt mit innerdeutschen Fördereinrichtungen und privaten Stiftungen und unterstützt die neurowissenschaftliche Ausrichtung der Förderprogramme der Europäischen Union. Sie fördert die Kontakte zur Industrie. Sie tritt für die Etablierung eines interdisziplinären neurowissenschaftlichen Ausbildungskonzepts ein. Bei all dem verfolgt sie ausschließlich gemeinnützige Zwecke.

## Neuroforum

Die Zeitschrift Neuroforum erscheint vierteljährlich. Die Mitglieder erhalten sie kostenlos. Neuroforum informiert über Themen, Trends, Fortschritte, neue Methoden, Forschungsschwerpunkte, Fördermöglichkeiten, Stellenangebote und Ausschreibungen.

## e-Neuroforum

Parallel zur gedruckten Ausgabe gibt es die drei Hauptartikel des Neuroforum auch online in englischer Version über Springerlink.com.

## Methodenkurse

Mehrmals jährlich werden insbesondere für Studenten, Doktoranden und junge Wissenschaftler Methodenkurse angeboten.

## Rund-Mails und Stellenmarkt

Einmal monatlich werden an alle Mitglieder mit E-Mail-Zugang Rund-E-Mails mit Informationen zu Drittmitteln, Stipendien, Stellenanzeigen u.a. verschickt.

## Kongresse

Mit der Veranstaltung und Förderung der Göttinger Jahrestagung sowie mit der Beteiligung am FENS Forum verfolgt die Gesellschaft ihr interdisziplinäres Konzept weiter. Neurowissenschaftler aller Fachrichtungen aus Forschung und Industrie sind zu einem lebendigen und fruchtbaren Meinungs austausch aufgefordert.

## Stipendien

Die Gesellschaft stellt Stipendien für Studenten, Doktoranden und junge Wissenschaftler für die Teilnahme an der eigenen Tagung wie auch für die FENS Tagungen zur Verfügung.

## Förderpreise

Die Gesellschaft vergibt zweijährlich den mit 2.500 Euro dotierten TILL Photonics Technologiepreis sowie den mit 20.000 Euro dotierten Schilling-Forschungspreis.

## Freier Zugang zu EJM online

Die Mitglieder der Gesellschaft haben kostenlosen Zugang zur Online-Version des European Journal of Neuroscience.

## Lehrerfortbildung

Bundesweit werden Fortbildungsveranstaltungen für Lehrer der gymnasialen Oberstufe zu neurowissenschaftlichen Themen angeboten.

## Slots für das SFN-Meeting

Über die Mitgliedschaft in FENS erhalten die Mitglieder der NWG jedes Jahr für das Meeting der amerikanischen Society für Neuroscience sog. „society sponsored abstract slots“. NWG-Mitglieder mit einem solchen Slot zahlen dieselbe reduzierte Teilnahmegebühr beim SfN-Meeting wie SfN-Mitglieder.

**Die Neurowissenschaftliche Gesellschaft e.V.** vertritt deutsche Neurowissenschaftler in der IBRO, ist Gründungsmitglied der Federation of European Neuroscience Societies (FENS) und vertritt die nationalen Interessen in der FENS. Sie ist kooperatives Mitglied des Verbandes Deutscher Biologen (Vbio). Die Deutsche Gesellschaft für Neurologie ist förderndes Mitglied der Neurowissenschaftlichen Gesellschaft.

## Mitgliedschaft

Mitglied der Gesellschaft kann werden, wer auf einem Gebiet der Neurowissenschaften oder in verwandten Fächern tätig ist. Das Aufnahmegesuch ist mit der Befürwortung von zwei Mitgliedern der Gesellschaft an die Geschäftsstelle zu richten, über die Aufnahme entscheidet der Vorstand. Der Mitgliedsbeitrag für Studenten beträgt 25 Euro, für Vollmitglieder 50 Euro pro Jahr.



## Geschäftsstelle

Neurowissenschaftliche  
Gesellschaft e.V.  
Max-Delbrück-Centrum  
für Molekulare Medizin  
(MDC) Berlin-Buch  
Robert-Rössle-Str. 10  
13092 Berlin  
Tel.: 030 9406 3336  
Fax: 030 9406 2813  
gibson@mdc-berlin.de

<http://nwg-glia.mdc-berlin.de>

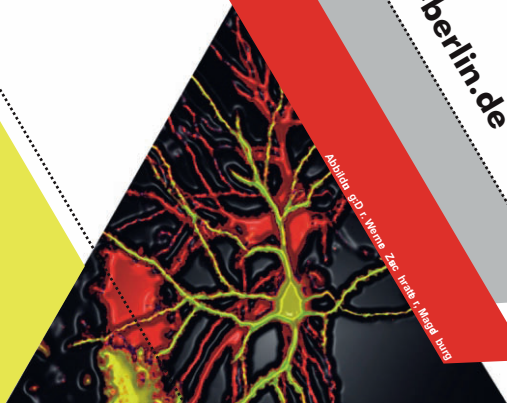


Abbildung 6D r. Weisse Zellen im Mägenhirn

## Sektionsprecher

*Computational Neuroscience:*  
Ad Aertsen

*Entwicklung/Neurogenetik:*  
Michael Frotscher

*Klinische Neurowissenschaften:*

Mathias Bähr

*Kognitive Neurowissenschaften:*

Andreas Engel

*Molekulare Neurobiologie:*

Eckart Gundelfinger

*Neuropharmakologie/  
-toxikologie:*

Rainer Schwarting

*Systemneurobiologie:*

Stefan Treue

*Verhaltensneurowissenschaften*

*Zelluläre Neurobiologie:*

Hanns Hatt

## Vorstand der Amtsperiode 2009-2011

*Präsident:*

Sigrun Korsching

*Vizepräsident:*

Herta Flor

*Schatzmeister:*

Andreas Draguhn

*Generalsekretär:*

Ulrich Dirnagl



## Plenary Lectures

**André Fischer**, Göttingen (**Opening Lecture**)  
**The epigenome of neurodegenerative disease:  
Novel strategies to treat dementia** (P1)  
*Thursday, March 24, 2011, 15:00 – 16:00 h*

**Florian Holsboer**, München (**Zülch Lecture**)  
**The future of depression research** (P2)  
*Thursday, March 24, 2011, 18:00 – 19:00 h*

**John Maunsell**, Boston, USA  
**Neuronal mechanisms of attention in monkey  
visual cortex** (P3)  
*Thursday, March 24, 2011, 20:00 – 21:00 h*

**Shahaf Peleg**, Göttingen (**Schilling Prize Lecture**)  
**Memory consolidation during aging: The role of  
histone acetylation along gene-coding regions** (P4)  
*Friday, March 25, 2011, 15:00 – 16:00 h*

**Jan Klohs**, Freiburg (**TILL Photonics Technologies Award  
Lecture**)  
**Non-invasive near-infrared fluorescence imaging  
of stroke pathophysiology** (P5)  
*Friday, March 25, 2011, 15:00 – 16:00 h*

**Joshua Sanes**, Cambridge, USA (**Roger Eckert Lecture**)  
**Visualizing circuits in the visual system** (P6)  
*Friday, March 25, 2011, 19:00 – 20:00 h*

**Berthold Hedwig**, Cambridge, United Kingdom  
(**Ernst-Florey Lecture**)  
**Neurobiology of insect acoustic communication** (P7)  
*Saturday, March 26, 2011, 15:00 – 16:00 h*

**Jan Born**, Lübeck (**Otto-Creutzfeldt Lecture**)  
**The memory function of sleep** (P8)  
*Saturday, March 26, 2011, 19:00 – 20:00 h*

**Sakiko Shiga**, Osaka, Japan  
**A neurobiological approach towards insect  
photoperiodism** (P9)  
*Sunday, March 27, 2011, 12:00 – 13:00 h*

All plenary lectures will take place in hall 11.





## Introductory Remarks to the CARE Workshop

# Neuroscience research using animals: The legal, ethical and political situation

*Stefan Treue (Göttingen)*

In 2010 the Federation of European Neuroscience Societies (FENS) has established a Committee on Animals in Research (CARE, <http://fens.mdc-berlin.de/care/>). The tasks of CARE are similar to the tasks of the corresponding committee of the Society for Neuroscience in the US. CARE advises FENS on the responsible use of animals in neuroscience research. It supports the development of resources on animals in research for FENS and promotes the public education in matters related to the use of animals in neuroscience. It monitors the development of European legislation on the use of animals in biomedical research, makes contributions to the efficient implementation of the EU-Directive on animal research and provides expert advice on animal research issues. The Committee challenges the claims, rethorics and actions of groups attempting to end use of animals in research, provides support to researcher under attack and responds to media when the ethics and importance of research using animals is questioned.

In this information event at the annual meeting of the German Neuroscience Society CARE members and other experts will provide an overview of the current situation regarding the use of animals in neuroscience research. The topics will include

- a review of the central aspects of the new „Directive on the protection of animals used for scientific purposes“ that the EU passed in 2010
- a review of the state of implementation of this Directive in the various EU member states
- a presentation of the „Basel Declaration“ on animal research
- the situation in Europe concerning providing the public and politicians with accurate information about animal research
- a discussion of the role of individual researchers, neuroscience societies and other organisations in the public and political debate about animal research

The event should therefore be of interest to any researcher involved in or benefitting from research using animals.

## Care Workshop

*Thursday, March 24, 2011  
12:00 – 13:00, Hall 101*

Chair: Stefan Treue, Göttingen

- 12:00 **Introductory remark**
  
- 12:15 **Short presentations by various speakers**
  
- 12:45 **Discussion and conclusion**
  
- 13:00 **End of the workshop**



## Nanion Patch Clamp Workshop

*Thursday, March 24, 2011*

*13:00 – 14:00, Hall 6*

### 13:00 **Introductory remark**

Dr. Sonja Stölzle

Automated Patch clamp: from organelles to primary cells, from single channels to action potentials. Sophisticated and easy, who says you can't have it all?

The Port-a-Patch is the world's smallest patch clamp setup. It is easy to use, versatile and provides high quality recordings.

Learn how to use the world's smallest patch clamp rig in 1 hour!

Sandwiches and drinks will be available whilst you patch clamp.

### 14:00 **End of the workshop**

**nan]i[on**

## DFG Workshop

*Friday, March 25, 2011*  
12:00 – 13:00, Hall 101

### **Starting your research career - DFG funding programmes and application procedures**

Dr. Jan Kunze and Dr. Christoph Limbach,  
DFG Head Office, Bonn

This workshop is mainly addressed to researchers at an early stage of their scientific careers and aims at introducing the German Research Foundation (DFG) as the largest research funding organisation in Germany, and the DFG funding programmes. Application and review procedures will be discussed and recent developments presented.

In addition to this workshop, appointments for individual consultations will be offered by the DFG Programme Officers in the course of the meeting. For further information about individual appointments, please refer to the announcements that will be given on site.

Topics:

The DFG – Germany's largest research funding organisation

DFG funding programmes

Application and review procedures

News from the DFG

Discussion

Deutsche  
Forschungsgemeinschaft

**DFG**



## Introductory Remarks to Satellite Symposium

# 2<sup>nd</sup> Schram Foundation Symposium „From the synapse to neurological disease“

Michael R. Kreutz and Britta Qualmann (Magdeburg and Jena)

The Schram Foundation supports research in neuroscience. It is a private foundation that was founded by Dr. Armin Schram in 2000 and is the only private foundation supporting exclusively basic neuroscience research in Germany. The second symposium of the foundation will again provide a platform to present and discuss projects that have been supported by the Schram Foundation. Like in the first symposium in 2009, which was a huge success, important aspects of neuronal cell signalling will be covered. Following opening remarks by Eckart Gundelfinger (Magdeburg), Heiko Luhmann (Mainz) will talk about the development of cortical networks. The next talk given by Alexander Gottschalk (Frankfurt/Main) will deal with the utilization of novel optogenetic methods to study neuronal networks in *C. elegans*. Circuit formation of sensory maps in the *Drosophila* brain will be the topic of the presentation of Thomas Hummel (Münster). Michael Kreutz (Magdeburg) will describe a novel signalling pathway in synapse-to-nucleus communication which induces synapse removal and dendrite retraction under pathological conditions. In the next session André Fischer (Göttingen) will address the role of chromatin remodelling in neuropsychiatric disorders. Natalia Kononenko (Berlin) will provide insights into endocytotic sorting and the role of the protein Stonin-2 for the identity of vesicles in exo- and endocytosis. Britta Qualmann (Jena) will then shed light on the regulation of membrane shape and its role in neuromorphogenesis, vesicle formation and neuronal network activity. The keynote lecture will be given by Andreas Lüthi (Basel) who will provide an overview about the neuronal circuitry of fear in the brain. The symposium will be closed by concluding remarks of Heinrich Betz and Armin Schram.

The Satellite Symposium will be held in the lecture hall of the Max Planck Institute for Experimental Medicine (<http://www.em.mpg.de/index>). The attendance is free of charge.



## Satellite Symposium

Wednesday, March 23, 2011  
13:00 – 19:00, Lecture hall of MPI  
for Experimental Medicine

Chair: Michael R. Kreutz and Britta Qualmann

- 13:00 **Opening Remarks**  
(Eckart D. Gundelfinger)
- 13:10 Heiko Luhmann, Mainz  
MELODIES OF DEVELOPING CORTICAL  
NETWORKS (Sat-1)
- 13:35 Alexander Gottschalk, Frankfurt/Main  
OPTOGENETIC ANALYSIS OF SMALL NEURONAL  
NETWORKS IN *CAENORHABDITIS ELEGANS*  
(Sat-2)
- 14:00 Thomas Hummel, Münster  
SENSORY MAP FORMATION IN THE *DROSOPHILA*  
BRAIN (Sat-3)
- 14:25 Michael Kreutz, Magdeburg  
SENDING SIGNALS FROM THE SYNAPSE TO  
THE NUCLEUS (Sat-4)
- 14:50 **Coffee Break**
- 16:00 Andre Fischer, Göttingen  
THE ROLE OF CHROMATIN PLASTICITY  
IN NEUROPSYCHIATRIC DISEASES (Sat-5)
- 16:25 Natalia Kononenko, Berlin  
STONIN2-DEPENDENT ENDOCYTIC SORTING  
OF SYNAPTOTAGMIN 1 PROVIDES EVIDENCE  
FOR LOSS OF SYNAPTIC VESICLE IDENTITY  
DURING EXO-ENDOCYTOSIS (Sat-6)
- 16:50 Britta Qualmann, Jena  
SHAPING MEMBRANES – ROLES IN NEURO-  
MORPHOGENESIS, VESICLE FORMATION  
AND NEURONAL NETWORK ACTIVITY (Sat-7)
- 17:15 **Coffee Break**
- 17:30 Keynote Lecture: Andreas Lüthi, Basel (Switzerland)  
DEFINING THE NEURONAL CIRCUITRY OF FEAR  
(Sat-8)
- 18:30 **Concluding Remarks**  
(Heinrich Betz/Jürgen Schram)



## Introductory Remarks to Symposium 1

# Molecular mechanisms controlling neurogenesis and tumorigenesis in the CNS stem cells

*Rainer Glass and Michael Synowitz, Berlin*

Somatic mutations in neural stem and precursor cells (NPC) likely are the point of origin for primary brain tumors like gliomas. In our symposium neuroscientists and neuro-oncologists will introduce some fundamental molecular mechanisms controlling CNS stem cells and tumorigenesis. Hai-Kun Liu (Molecular Cell Biology, DKFZ, Heidelberg) will show how the stem cell-specific receptor *tailless* (*Tlx*) controls neurogenesis. *Tlx* is an orphan nuclear receptor that is expressed in the developing brain, where it controls radial glia cell-fates. In the adult brain *Tlx* is mandatory for the maintenance of neural stem cells.

Ana Martin-Villalba (Molecular Neurobiology, DKFZ, Heidelberg) will present that the CD95 signaling pathway is context dependent and has very different roles in neurological disorders, spinal cord injury, stem cell physiology and primary brain tumors. CD95 can recruit a wide variety of second-messenger systems, which induce cell death in mature neurons, increase neurogenesis in stem cells and accelerate invasion of glioma cells.

Maria Stella Carro (Neurocenter & Comprehensive Cancer Center, Freiburg) will show that computational and functional genetics and genomics of transcription factor networks in high grade gliomas uncovers master regulators (like *c/ebp* and *STAT3*), which have the potential to reprogram neural stem cells and to control glioma aggressiveness.

Michael Synowitz (Dept of Neurosurgery, Charité, Berlin) will show that NPCs from the SVZ migrate in large numbers to experimental gliomas and release bone morphogenetic protein-7 (*BMP7*), which induces differentiation specifically in the highly malignant sub-fraction of brain tumor initiating cells (glioma stem cells). This intrinsic anti-tumor response is efficient in the young-adult brain but is lost with aging.

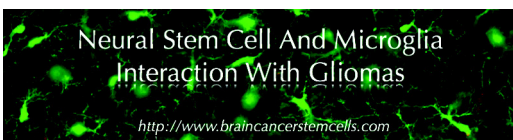
Rainer Glass (Cellular Neurosciences, MDC, Berlin) will present that brain tumors have increased expression-levels of the transient receptor potential vanilloid subfamily member-1 (*TRPV1*) as compared to tumor-free brain. NPCs home to brain tumors and induce tumor cell-death by releasing bioactive lipids which activate *TRPV1*. NPC-released *TRPV1* agonists mediate cell-death of primary human glioma.

## Symposium 1

Thursday, March 24, 2011  
9:00 – 12:00, Lecture Hall 9

Chair: Rainer Glass and Michael Synowitz, Berlin

- 9:00 Hai-Kun Liu, Heidelberg  
ROLE OF TAILLESS (TLX) IN NEUROGENESIS  
AND GLIOMAGENESIS (S1-1)
- 9:30 Ana Martin-Villalba, Heidelberg  
THE CELL-DEATH LIGAND CD95 HAS  
CONTEXT DEPENDENT ROLES IN  
NEUROLOGICAL DISORDERS, STEM CELL  
PHYSIOLOGY AND PRIMARY BRAIN TUMORS  
(S1-2)
- 10:00 Maria Stella Carro, Freiburg  
TRANSCRIPTION FACTOR NETWORKS IN  
HIGH GRADE GLIOMAS WITH THE POTENTIAL  
TO REPROGRAM NEURAL STEM CELLS (S1-3)
- 10:30 **Coffee Break**
- 11:00 Michael Synowitz, Berlin  
BONE MORPHOGENETIC PROTEIN-7 RELEASE  
FROM ENDOGENOUS NEURAL PRECURSOR  
CELLS SUPPRESSES THE TUMOURIGENICITY OF  
GLIOBLASTOMA STEM CELLS (S1-4)
- 11:30 Rainer Glass, Berlin  
NEURAL PRECURSOR CELLS INDUCE GLIOMA  
CELL-DEATH VIA STIMULATION OF TRPV1 (S1-5)





## Introductory Remarks to Symposium 2

# Levels of olfactory plasticity in insects

Sylvia Anton and Wolfgang Rössler, Versailles (France) and Würzburg

Olfaction is one of the most important senses across the animal kingdom. Peripheral detection and central processing of olfactory information follows common principles across many taxa including mammals and insects. Recent work has shown that a high degree of neuronal plasticity is an important feature of olfactory systems, allowing organisms to adapt to changing environmental conditions, developmental or physiological states, or to learn and memorize olfactory information. Increasing knowledge on the molecular, anatomical and physiological bases of olfaction in insects has set the stage to investigate mechanisms of olfactory plasticity at different levels - in the course of development, during maturation, after mating, and as a function of learning, experience and aging.

Speakers investigating olfactory plasticity at these different levels will highlight latest developments in this field. Molecular, structural and functional aspects of synaptic plasticity will be discussed as well as physiological and anatomical changes at the level of individual neurons, neuronal ensembles and their consequences for behaviour. Work on highly complementary insect model systems for the study of olfactory plasticity in primary and secondary olfactory centers will be presented. In *Drosophila melanogaster*, due to a variety of genetic tools, new functional imaging approaches with the expression of genetically encoded sensors are used to investigate learning and memory dependent plasticity. Moths possess a highly specific sex-pheromone communication system, which allows a wide array of approaches from the molecular mechanisms to the neurophysiological and neuroanatomical basis of behaviour. In *Manduca sexta*, the well characterised processes during larval-adult metamorphosis provide a fascinating window into the developmental plasticity of the olfactory system. The honeybee is a unique social-insect model system, and a variety of social pheromones, brood care, different castes, division of labour and excellent learning capacities allow to investigate olfactory plasticity at multiple levels. Special features of the Locust olfactory system and phase transition between solitary and gregarious lifestyle provide novel insights into plasticity of olfactory coding and processing. The symposium will thus provide new insights into fundamental principles and mechanisms of olfactory plasticity and its importance for behaviour.

## Symposium 2

Thursday, March 24, 2011  
9:00 – 12:00, Lecture Hall 10

Chair: *Sylvia Anton and Wolfgang Rössler, Versailles (France) and Würzburg*

### 9:00 **Opening Remarks**

9:05 Lynne Ann Oland, Tucson (USA)  
NOT JUST HARD-WIRED: DEVELOPMENTAL PLASTICITY IN THE *MANDUCA* OLFACTORY SYSTEM (S2-1)

9:30 Claudia Groh, Würzburg  
DEVELOPMENTAL PLASTICITY AND ADULT MATURATION OF OLFACTORY SYNAPTIC MICROCIRCUITS IN THE MUSHROOM BODIES OF THE HONEYBEE (S2-2)

9:55 Romina Barrozo, Versailles (France)  
MATING-INDUCED DIFFERENTIAL SEX-PHEROMONE AND PLANT ODOUR PROCESSING IN A MALE MOTH (S2-3)

### 10:20 **Coffee Break**

10:45 Jean-Marc Devaud, Toulouse (France)  
STRUCTURAL PLASTICITY IN THE HONEYBEE BRAIN RELATED TO MEMORY FORMATION (S2-4)

11:10 Mark Stopfer, Bethesda (USA)  
ADAPTIVE DYNAMICS ON DIFFERENT TIME SCALES THROUGHOUT THE OLFACTORY PATHWAY ENHANCES EFFICIENT CODING OF ODOR FEATURES (S2-5)

11:35 André Fiala, Göttingen  
OLFACTORY CODING AND OLFACTORY LEARNING IN *DROSOPHILA*: AN OPTICAL IMAGING APPROACH (S2-6)



## Introductory Remarks to Symposium 3

# Perspectives of small-animal PET and SPECT imaging in neuroscience

*Heike Endepols and Jürgen Goldschmidt, Köln and Magdeburg*

During the past years the range of applications of small-animal positron emission tomography (PET) and single-photon emission tomography (SPECT) in neuroscience has steadily increased. Progress in instrumentation has made it possible to image at higher spatial resolution, and multi-modal or hybrid imaging techniques such as PET/MR, PET/CT and SPECT/CT have facilitated fusing of radionuclide distribution images with anatomical data. Novel tracers have been developed and novel rodent models of neurological or psychiatric disorders have emerged, in which nuclear imaging techniques play crucial roles in monitoring disease progression or therapy effects. PET and SPECT provide unique insights into brain function and brain metabolism under normal conditions and in disease states. Both techniques are able to map tracer distributions in vivo at nano- to picomolar concentrations and can detect functional or molecular changes in diseased brains prior or concomitant to structural changes visible with MRI. In addition, both techniques can be used for imaging activity-dependent changes in cerebral blood flow and metabolism. Suitable tracers – the glucose analogue [ $^{18}\text{F}$ ]FDG for PET and the blood flow tracer [ $^{99\text{m}}\text{Tc}$ ]HMPAO for SPECT – can be injected in unrestrained awake behaving animals and do not redistribute after accumulation. Quite different from BOLD fMRI, images can be obtained this way from brain activation patterns under experimental conditions outside scanner environments. The present symposium will reflect these novel developments, giving the audience at the German neuroscience meeting an overview of the latest advancements and the state-of-the-art in small-animal PET and SPECT neuroimaging. The symposium will focus on three topics, cerebral ischemia, dementia, and behavioral/functional imaging, highlighting new windows on brain function in health and disease.

## Symposium 3

Thursday, March 24, 2011

9:00 – 12:00, Hall 104

Chair: *Heike Endepols and Jürgen Goldschmidt, Köln  
and Magdeburg*

- 9:00 Heike Endepols, Köln  
FOCAL CHANGES OF CEREBRAL GLUCOSE  
METABOLISM DURING COGNITIVE TASKS IN  
RATS: PET IMAGING USING [ $^{18}\text{F}$ ]FDG (S3-1)
- 9:25 Andreas Wunder, Berlin  
OPTICAL AND RADIONUCLIDE IMAGING IN  
EXPERIMENTAL STROKE RESEARCH (S3-2)
- 9:50 Jenni Neubert, Magdeburg  
IN VIVO SPECT-IMAGING OF ACTIVITY-  
DEPENDENT CHANGES IN REGIONAL CEREBRAL  
BLOOD FLOW IN THE RODENT BRAIN (S3-3)
- 10:10 **Coffee Break**
- 10:45 Heiko Backes, Köln  
MEASUREMENT OF CEREBRAL GLUCOSE  
CONSUMPTION RATE IN PATHOLOGIC TISSUE  
USING FDG PET (S3-4)
- 11:10 Florian Christoph Maier, Tübingen  
NON-INVASIVE DETECTION OF AMYLOID  
PLAQUES BY COMBINED MULTI-FUNCTIONAL  
AND MORPHOLOGICAL IMAGING IN  
TRANSGENIC MOUSE MODELS OF  
ALZHEIMER'S DISEASE (S3-5)
- 11:35 Jürgen Goldschmidt, Magdeburg  
IN VIVO IMAGING OF CEREBRAL POTASSIUM  
METABOLISM IN FOCAL CEREBRAL ISCHEMIA  
IN RATS USING [ $^{201}\text{Tl}$ ]DDC-SPECT (S3-6)



## Introductory Remarks to Symposium 4

# Principles of neural function – how theories inspire experiments

*Jan Benda and Rüdiger Krahe, Martinsried and Montreal (Canada)*

On our quest to unravel how the brain works we have witnessed tremendous progress over the past 10 years. On the one hand we can record terabytes of data from any level of the nervous system. We know an enormous amount about molecular mechanisms of synaptic transmission, ion channel kinetics, action potential generation, dendritic processing, as well as large-scale activity as measured by, for example, EEG or fMRI. Nevertheless, our knowledge of how the brain acquires and processes sensory information and how it transforms the available information to generate appropriate motor function is still at best anecdotal. On the other hand, theoreticians have been working out basic principles of how neural systems should or could work. For example, how a neuron should encode sensory stimuli in order to optimize information transmission and how to do this under energy constraints. These theories can provide guidance for our experimental attempts at understanding neural function. It may even be impossible to find out how the brain works if we rely entirely on an experimental bottom-up approach from molecules over ion currents and neurons to small networks and eventually the brain. Starting out from theoretical concepts should inspire us to ask the right questions and to make clear predictions for the outcomes of experiments.

The speakers of this symposium will present several examples demonstrating that the interplay of theory and experiment can be incredibly fruitful for understanding neural function. Wörgötter introduces a simple control circuit for coordinating leg movements. This theoretical work will be contrasted by the detailed investigation of the neural basis of insect walking in the talk by Büschges. Maclver will present his ideas and experimental work on the bone-brain continuum and shows that sensing and motor control can be much cheaper and simpler if they interact with a mechanically well designed body. Maimon will provide an example of gain modulation, a potential mechanism for saving energy, in the visual system of the genetic model organism, *Drosophila melanogaster*. Kurtz will provide an excellent example from the fly visual system demonstrating that Barlow's principle of efficient coding applies only to behaviorally relevant signals in early sensory processing. Inspired by theoretical work, Benda will present experimental data from the electrosensory system of weakly electric fish that show how neural response variability is used as an advantage in populations of spiking neurons.



## Symposium 4

*Thursday, March 24, 2011*  
9:00 – 12:00, Lecture Hall 11

Chair: Jan Benda and Rüdiger Krahe, Martinsried and  
Montreal (Canada)

- 9:00 Florentin Wörgötter, Göttingen  
NEURAL CONTROL OF MOTOR FUNCTION  
IN ANIMALS AND ROBOTS (S4-1)
- 9:25 Ansgar Büschges, Köln  
NEURAL CONTROL OF LOCOMOTION -  
FROM JOINT CONTROL TO ADAPTIVE  
LOCOMOTOR BEHAVIORS (S4-2)
- 9:50 Malcom Maclver, Illinois, (USA)  
ENERGY-INFORMATION TRADE-OFFS BETWEEN  
MOVEMENT AND SENSING (S4-3)
- 10:10 **Coffee Break**
- 10:45 Gaby Maimon, Pasadena, (USA)  
EXPLORING HIGHER BRAIN FUNCTION WITH  
ELECTROPHYSIOLOGY IN BEHAVING FRUIT  
FLIES (S4-4)
- 11:10 Rafael Kurtz, Bielefeld  
ADAPTATION IN THE FLY VISUAL SYSTEM:  
EFFICIENT EXTRACTION OF BEHAVIORALLY  
RELEVANT STIMULI (S4-5)
- 11:35 Jan Benda, Martinsried  
SENSORY PROCESSING WITH NOISY SPIKES  
(S4-6)

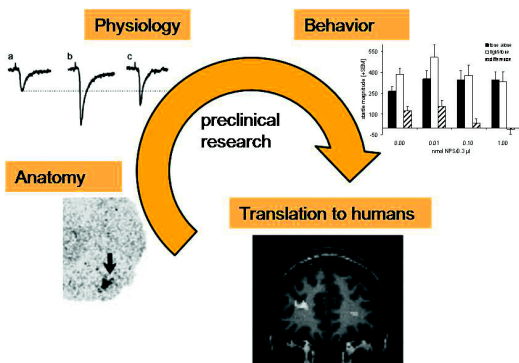


## Introductory Remarks to Symposium 5

## Neuropeptides and endocannabinoids - Key players in the modulation of behavioral processes

Markus Fendt and Michael Koch, Basel (Switzerland) and Bremen

Psychiatric disorders are characterized by a disturbance of behavior, e.g. exaggerated anxiety responses in anxiety disorders or the inability to ignore irrelevant cues in schizophrenia. During the last decades, neurobiological research made a lot of progress in the understanding of the neural circuitries mediating and regulating such behaviors which become dysfunctional in psychiatric disorders. For a long time, neuropharmacological research was mainly focused on the classical transmitters such as dopamine, glutamate and GABA. However, there is now overwhelming evidence that neuropeptides and endocannabinoids play important roles in these circuitries. The goal of the symposium is to present different approaches to study how neuropeptides and endocannabinoids are involved in the modulation of behavioral processes. These approaches range from cellular physiology via behavioral pharmacology in preclinical animal models to human research.



## Symposium 5

Thursday, March 24, 2011  
9:00 – 12:00, Hall 8

Chair: Markus Fendt and Michael Koch, Basel  
(Switzerland) and Bremen

- 9:00 Andreas Reif, Würzburg  
THE ROLE OF A NPS RECEPTOR  
POLYMORPHISM IN PANIC DISORDER AND  
RELATED ENDOPHENOTYPES (S5-1)
- 9:25 Markus Fendt, Basel (Switzerland)  
NEUROPEPTIDES AS A POTENTIAL TARGET  
FOR THE TREATMENT OF ANXIETY DISORDERS  
(S5-2)
- 9:50 Hans-Christian Pape, Münster  
NEUROPEPTIDES: CONTROL OF STATE-  
DEPENDENT PROPERTIES IN THE AMYGDALA IN  
INSTANCES OF STRESS AND FEAR (S5-3)
- 10:10 **Coffee Break**
- 10:45 Carsten Wotjak, München  
ROLE OF ENDOCANNABINOIDS IN FEAR  
ADAPTATION (S5-4)
- 11:10 Sybille Kuhnert and Michael Koch, Bremen  
ROLE OF AMYGDALOID AND CORTICAL  
CANNABINOID RECEPTORS IN FEAR  
LEARNING AND MEMORY (S5-5)
- 11:35 Miriam Schneider, Mannheim  
INVOLVEMENT OF THE ENDOCANNABINOID  
SYSTEM IN REWARD PROCESSING (S5-6)



## Introductory Remarks to Symposium 6

# Motor neuron disease models: Loss of function or gain of toxic function? Molecular mechanisms and therapeutic perspectives

*Albrecht M. Clement and Christian Behl, Mainz*

Spinal muscular atrophy (SMA) and amyotrophic lateral sclerosis (ALS) are detrimental neurodegenerative disorders and characterized by the specific loss of motor neurons in the spinal cord. A key for understanding their aetiology is the identification of genes involved in disease pathogenesis and the generation of useful experimental models. Although the underlying molecular mechanisms of motor neuron-specific degeneration are still largely unknown, recent studies have significantly advanced our understanding of the genetics as well as molecular and cellular processes correlated with disease pathogenesis. In particular the identification of two new ALS-genes TDP-43 and FUS, both are DNA/RNA-binding proteins, turned the spot light on impaired RNA processing as one possible fundamental pathomechanism in ALS in addition to protein aggregation and oxidative stress. Interestingly, SMA is caused by a reduced expression of „survival motor neuron“ (SMN), a protein involved in mRNA splicing.

The aim of this symposium is to highlight our current understanding of motor neuron disease ranging from advances in molecular biology and genetics to therapeutic perspectives. Firstly, Ammar Al-Chalabi will discuss the search for new genes involved in familial forms of ALS but also the genetic influence in sporadic ALS, which represents more than 90 % of all cases. On this line, the identification of susceptibility markers and/or modifiers of familial forms might shed light on the aetiology of sporadic ALS, which Wim Robberecht is interested in by using zebrafish models for ALS.

In the second part of the symposium the speakers will discuss new insight on the pathomechanisms of familial forms of motor neuron disease. Albrecht Clement will present recent advances in understanding mutant SOD1 toxicity by analysing the biochemical properties and detrimental action of obligate SOD1-dimer proteins in cellular and *C. elegans* disease models. Manuela Neumann and Michael Sendtner have largely contributed to the current view that impaired RNA-processing might significantly contribute to ALS and SMA pathogenesis, respectively. The generation of new TDP-43 mouse models for ALS will be discussed as well as the fundamental biochemical and cell physiological processes

## Symposium 6

Thursday, March 24, 2011  
9:00 – 12:00, Lecture Hall 105

Chair: Albrecht M. Clement and Christian Behl, Mainz

- 9:00 Ammar Al-Chalabi, London (United Kingdom)  
ALS GENETICS UNTANGLED (S6-1)
- 9:25 Wim Robberecht, Leuven (Belgium)  
A ZEBRAFISH MODEL TO STUDY THE  
PATHOGENESIS AND TREATMENT OF ALS (S6-2)
- 9:50 Manuela Neumann, Zürich (Switzerland)  
TDP-43 AND FUS: NOVEL PLAYERS IN MOTOR  
NEURON DISEASE (S6-3)
- 10:15 **Coffee Break**
- 10:45 Albrecht M. Clement, Mainz  
STUDYING TOXICITY OF ALS-CAUSING  
MUTANT SOD1 BY ANALYZING SOD1  
OBLIGATE DIMERS (S6-4)
- 11:10 Michael Sendtner, Würzburg  
AXONAL RNA TRANSPORT IN SPINAL  
MUSCULAR ATROPHY AND AMYOTROPHIC  
LATERAL SCLEROSIS (S6-5)
- 11:35 Albert Christian Ludolph, Ulm  
UPDATE ON TRANSLATIONAL RESEARCH  
AND TREATMENT STRATEGIES IN ALS (S6-6)

---

involved in SMN-mediated motor neuron degeneration. Finally, but not least important, Albert Ludolph will present recent therapeutic strategies and discuss new avenues of translating basic findings into clinical application towards a better treatment of motor neuron disease.

*Introductory Remarks to Symposium 7***Adult neural stem cells in the  
physiology and repair**

*Jürgen Winkler and Dieter Chichung Lie, Erlangen and München*

Neural stem cells in the adult brain represent an endogenous cell source for cellular replacement strategies in neurological diseases. Major challenges for their efficient recruitment towards neuronal replacement are the induction of neuronal subtype specific differentiation, survival, and integration into the compromised neural networks. Under physiological circumstances neural stem cells generate new functional neurons in restricted regions of the adult brain: in the subventricular zone of the lateral ventricles/olfactory bulb system and the dentate gyrus of the hippocampal formation. The characterization of the regulatory mechanisms underlying physiological neurogenesis may provide important insight into how to efficiently recruit neural stem cells for repair in disease conditions. The goal of this symposium is to provide an overview about recent advances with regard to a) regulatory networks controlling physiological neurogenesis, b) differentiation of neural stem cells into specific neuronal subtypes (Berninger), c) development of neural stem cells in the context of neurodegenerative diseases (Winner) and d) behaviour of neural stem cells in acute lesions such as stroke (Redecker). Finally, both organisers of the symposium and speaker of research consortiums will shortly summarize the activities of the existing networks for adult neural stem cells (ForNeuroCell and BMBF).

## Symposium 7

Friday, March 25, 2011  
9:00 – 12:00, Hall 8

Chair: Jürgen Winkler and Dieter Chichung Lie,  
Erlangen and München

- 9:00 Jürgen Winkler, Erlangen  
FORNEUROCELL: BAVARIAN CONSORTIUM  
FOR "ADULT NEURAL STEM CELLS" (S7-1)
- 9:25 Dieter Chichung Lie, München  
RESEARCH NETWORK "INTEGRATION OF  
STEM CELL DERIVED NEURONS" (S7-2)
- 9:50 Alexander Garthe, Dresden  
FUNCTIONAL RELEVANCE OF ADULT NEURO-  
GENESIS (S7-3)
- 10:15 **Coffee Break**
- 10:45 Benedikt Berninger, München  
VOLUNTARY AND FORCED METAMORPHOSIS  
OF ASTROGLIA INTO NEURONS (S7-4)
- 11:10 Beate Winner, La Jolla, (USA)  
ADULT NEUROGENESIS IN PARKINSON'S  
DISEASE (S7-5)
- 11:35 Christoph Redecker, Jena  
NEUROGENESIS AND PROLIFERATIVE  
CELLULAR PLASTICITY AFTER BRAIN ISCHEMIA  
(S7-6)



## Introductory Remarks to Symposium 8

# Peripheral mechanisms in olfaction

*Benjamin Kaupp and Sigrun Korsching, Bonn and Köln*

Information about the environment is to a large extent carried by the chemical senses. The olfactory sense is essential for prey localization, predator avoidance, social communication and mating behavior. Even though the first olfactory receptor genes have been identified nearly two decades ago, still many unexpected features of olfactory signal processing are being revealed. Currently large advances are made in understanding the peripheral mechanisms of olfaction, from the identification of novel receptor gene repertoires to the analysis of receptor/ligand interactions, signal transduction and neuronal computation. Novel olfactory receptor gene families have been detected in recent years (TAAR, ORA, FPR), very unexpected ligands for olfactory receptor genes have been identified (including but not limited to MHC peptides), mechanistic insights have been obtained for the one neuron-one receptor rule of expression, and the spatial logic of the olfactory receptor neuron connectivity has been understood at new levels (segregation of glomerular domains). Signal transduction has been shown to work with single molecule sensitivity and imaging odorant-induced neuronal activity has been used to answer very specific questions about activity-dependent functional plasticity. This symposium will elucidate recent advances in understanding such peripheral mechanisms of olfaction.



## Symposium 8

*Friday, March 25, 2011*

*9:00 – 12:00, Hall 9*

Chair: Benjamin Kaupp and Sigrun Korsching,  
Bonn and Köln

- 9:00 Peter Mombaerts, Frankfurt/Main  
OLFACTION TARGETED (S8-1)
- 9:25 Frank Zufall, Homburg  
MAMMALIAN OLFACTION: FROM GENES  
AND CELLS TO SYSTEM FUNCTION AND  
PATHOLOGY (S8-2)
- 9:50 Ivan Rodriguez, Genf (Switzerland)  
MAMMALIAN OLFACTORY CHEMOSENSORS:  
FROM GENES TO BEHAVIOR (S8-3)
- 10:15 **Coffee Break**
- 10:45 Silke Sachse, Jena  
ENCODING AND PROCESSING OF OLFACTORY  
INFORMATION IN NEURAL CIRCUITS (S8-4)
- 11:10 Benjamin Kaupp, Bonn  
A CELLULAR MODULE FOR SINGLE-MOLECULE  
SENSITIVITY IN SPERM (S8-5)
- 11:35 Sigrun Korsching, Köln  
EVOLUTIONARY ASPECTS OF SENSORY  
PERCEPTION (S8-6)



## Introductory Remarks to Symposium 9

# Plasticity in the human visual cortex – Probing dysfunction with functional magnetic resonance imaging

*Michael B. Hoffmann and Mark W. Greenlee, Magdeburg  
and Regensburg*

The investigation of plasticity in the human visual system is of fundamental importance. On the one hand it allows for insights into mechanisms and strategies of reorganisation. On the other hand the knowledge of cortical reorganisation in pathological visual systems is expected to guide future therapeutic and intervention schemes for the restoration of vision, e.g., retina implant and gene-therapy. Using functional magnetic resonance imaging, recent investigations of plasticity in the visual system spurred major advances. In this symposium key issues of reorganisations in the human visual system will be highlighted, namely the neural plasticity in acquired vs. congenital defects, and the extent and mechanisms of such plasticity.

Studies investigating the consequences of deafferenting the cortical foveal representation demonstrate that reorganisation with profound changes of the cortical visual field representations is absent in the early visual cortex of patients with acquired foveal dysfunction, e.g. in macular degeneration (Antony Morland). Furthermore, the relationship between potential neural plasticity and the eccentric fixation behaviour in these patients has been studied (Mark Greenlee). In contrast to the absence of large scale reorganisation in such acquired visual pathway defects, the potential of plasticity appears to be sufficient to adapt to extreme visual pathway abnormalities, if they are congenital. Examples are a patient with only one single hemisphere (Lars Muckli) and patients with severe chiasmatic malformations leading to large scale misrepresentations of the visual hemifields, as demonstrated for achiasmia (Serge Dumoulin) and albinism (Michael Hoffmann). The finding that such a potential for substantial adaptations might be reserved to abnormalities occurring very early during lifetime prompts the question of how adaptations to greatly abnormal visual input are mediated in visually normal adults. Possibly parietal cortical regions are involved. Investigations of the effect of left-right reversal of the visual input on adult visual processing are expected to shed light on this important issue (Alyssa Brewer). Taken together, these findings highlight that basic science and clinical perspectives benefit from investigations detailing principles that underlie the plasticity and reorganisation of the human visual cortex.

## Symposium 9

Friday, March 25, 2011  
9:00 – 12:00, Hall 105

Chair: Michael B. Hoffmann and Mark W. Greenlee,  
Magdeburg and Regensburg

- 9:00 Antony Morland, York (United Kingdom)  
CAN THE VISUAL CORTEX REMAP RETINAL  
INPUT WHEN THE RETINA IS LESIONED? (S9-1)
- 9:25 Mark Greenlee, Regensburg  
NEUROPLASTICITY IN THE VISUAL CORTEX  
OF PATIENTS WITH MACULAR DEGENERATION:  
EVIDENCE FROM FMRI (S9-2)
- 9:50 Lars Muckli, Glasgow (United Kingdom)  
PRE- AND POSTNATAL PLASTICITY IN THE  
VISUAL CORTEX – BILATERAL VISUAL FIELD  
MAPS IN A PATIENT WITH ONLY ONE  
HEMISPHERE (S9-3)
- 10:15 **Coffee Break**
- 10:45 Serge Dumoulin, Utrecht (The Netherlands)  
POPULATION RECEPTIVE FIELDS AND  
PLASTICITY (S9-4)
- 11:10 Michael B. Hoffmann, Magdeburg  
CONGENITALLY ABNORMAL V1 INPUT –  
INSIGHTS INTO THE SELF-ORGANISATION OF  
THE HUMAN VISUAL SYSTEM (S9-5)
- 11:35 Alyssa A. Brewer, Irvine (USA)  
FUNCTIONAL PLASTICITY IN ADULT HUMAN  
CORTEX IN RESPONSE TO AN EXTREME  
ALTERATION OF VISUAL INPUT (S9-6)



## Introductory Remarks to Symposium 10

# Information technology meets brain research - New developments in neuroinformatics

*Andreas Herz and Thomas Wachtler, Martinsried*

Progress in neuroscience methodology and research is leading to a rapidly growing number of studies and is generating enormous quantities of heterogeneous and complex data from many species, modalities and levels of study, ever increasing at higher levels of granularity. A key element to successfully exploit the full potential of this huge amount of highly diverse data is the integration of brain research with physical sciences and information technology, making it possible to utilize the collection of data and knowledge along with analysis and modeling. Neuroinformatics is at the forefront of this integration process as an emerging field that aims at developing and applying modern tools that are essential for advancing our understanding of the structure and function of the nervous system. This symposium will bring together experts from different fields of neuroscience where approaches from neuroinformatics have enabled addressing scientific questions that require the integration and analysis of large heterogeneous data sets. The speakers will not only present exciting new scientific findings, but will also address the information technology background that has made these results possible. The range of topics will cover the development of ontologies and databases of neuroscientific data and their interoperability, the integration of large-volume data sets and large-scale computational modeling, the organization of data and metadata for data sharing, and the development and application of data management platforms for the analysis of neurophysiology data. Covering a wide range of subfields, the symposium will demonstrate how neuroinformatics can successfully facilitate progress in neuroscience research.

*This symposium is supported by the International Neuroinformatics Coordinating Facility ([www.incf.org](http://www.incf.org)) through its German Node ([www.g-node.org](http://www.g-node.org)).*

## Symposium 10

Friday, March 25, 2011  
9:00 – 12:00, Hall 11

Chair: Andreas Herz and Thomas Wachtler, Martinsried

- 9:00 Stuart Baker, Newcastle (United Kingdom)  
MOTOR SYSTEMS OSCILLATIONS: A CASE  
STUDY IN COMPLEXITY (S10-1)
- 9:25 Rembrandt Bakker, Nijmegen (The Netherlands)  
STRUCTURAL CONNECTIVITY AT YOUR  
FINGERTIPS (S10-2)
- 9:50 Mark H. Ellisman, La Jolla (USA)  
BUILDING A BRAIN OF VISIBLE CELLS (S10-3)
- 10:15 **Coffee Break**
- 10:45 Jan Grewe, Martinsried  
WHAT CONTRAST DID YOU USE? -  
AUTOMATED HANDLING OF METADATA (S10-4)
- 11:10 Gaute T. Einevoll, Aas (Norway)  
WHAT CAN WE LEARN FROM  
MULTIELECTRODE RECORDINGS? (S10-5)
- 11:35 Henry Markram, Lausanne (Switzerland)  
SIMULATION SCIENCE FOR NEUROSCIENCE  
(S10-6)



G-Node



Supported by



Bundesministerium  
für Bildung  
und Forschung



## Introductory Remarks to Symposium 11

# Development of fear and anxiety in humans: Behavioural, cognitive and neural changes

Paul Pauli, Würzburg

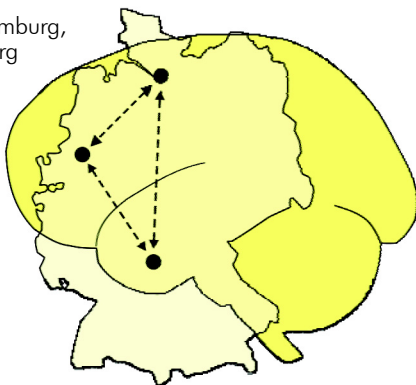
Our understanding of fear and anxiety greatly advanced in the recent years, mainly because of seminal animal studies. This symposium focuses on efforts to translate these findings to humans. The first two talks will discuss behavioural effects of fear-conditioning in humans. A. Mühlberger will present studies using virtual reality as a tool to assess human behaviour following cue and/or context conditioning. A. Hamm will discuss new findings using startle response as a behavioural measure to demonstrate dysfunctions of the fear system in anxiety disorder patients. Based on imaging studies highlighting neuronal changes related to fear and anxiety, A. Fallgatter will present new data on neural changes characterizing anxiety disorders and L. Pessoa will elaborate the relationship between emotion and cognition. Finally, the last two talks will focus on the genetic and molecular bases of anxiety and anxiety disorders, K. Domschke will present new data revealing genetic influences on corticolimbic interactions, R. Kalisch will discuss recent studies examining molecular determinants of fear learning and extinction.

Andreas Mühlberger, Andreas Fallgatter, Katharina Domschke, Raffael Kalisch, and Paul Pauli are members of the DFG funded Transregio SFB "Fear, Anxiety, and Anxiety Disorders" (TR/SFB 58), localized in Münster, Hamburg, and Würzburg.

TR/SFB 58

„Fear, Anxiety, and Anxiety Disorders“

Münster, Hamburg,  
and Würzburg



## Symposium 11

*Friday, March 25, 2011*

*9:00 - 12:00, Hall 10*

Chair: Paul Pauli, Würzburg

- 9:00 Andreas Mühlberger, Würzburg  
CUE AND CONTEXT CONDITIONING IN  
VIRTUAL REALITY (S11-1)
- 9:25 Alfons O. Hamm, Greifswald  
DEFENSIVE MOBILIZATION IN ANXIETY  
DISORDER PATIENTS (S11-2)
- 9:50 Andreas J. Fallgatter, Würzburg  
NEURAL CHANGES IN ANXIETY DISORDERS  
AND POSSIBLE MODULATORY TREATMENT  
APPROACHES (S11-3)
- 10:15 **Coffee Break**
- 10:45 Luiz Pessoa, Bloomington (USA)  
ON THE RELATIONSHIP BETWEEN EMOTION  
AND COGNITION (S11-4)
- 11:10 Katharina Domschke, Münster  
CORTICOLIMBIC INTERACTION IN ANXIETY –  
INFLUENCE OF GENETIC VARIANTS (S11-5)
- 11:35 Raffael Kalisch, Hamburg  
MOLECULAR DETERMINANTS OF FEAR  
CONDITIONING AND EXTINCTION (S11-6)



## Introductory Remarks to Symposium 12

# Epilepsy – a hyperexcitation syndrome with multiple causes

*Carola Haas and Ute Häussler, Freiburg*

Epilepsy is a disease with many faces and different causes which all end up in the symptom of neuronal hyperexcitation and synchronization. Epileptic patients either suffer from focal or generalized seizures all leading to progressive brain damage, memory impairment and depression. Often, epileptic seizures can be prevented by anti-epileptic substances, but in particular seizures originating from the temporal lobe are frequently refractory to treatment. Hence in recent years, many research efforts have focussed on unravelling the causes of temporal lobe epilepsy (TLE), the most prominent form of focal epilepsy in adulthood. TLE is characterized by alterations in hippocampal histology, including neuronal loss in the hilus, CA3- and CA1-regions of the hippocampus, gliosis, a dispersion of the granule cell layer, mossy fiber sprouting and, of course, the occurrence of epileptic seizures in the hippocampus and further temporal brain areas. Evidence is accumulating that not a single, but the combination of multiple factors contribute to epileptogenesis and the development of seizure activity in this particular brain region. In this symposium we will bring together scientists working on different fields of epilepsy research – from *in vivo* activity to single channel physiology and from neurons to endothelial cells - unified by the goal to understand why and how TLE develops.

The symposium will be opened by C. Haas giving an introduction to clinical and neuropathological aspects of TLE. We will then start on the systemic level with R. Sloviter talking about the role of reorganization of the hippocampal network, in particular cell loss and reactive sprouting, and its consequences on epileptogenesis and seizure generation. A. Draguhn will discuss whether and how these processes depend on an altered balance of excitation and inhibition. In the following, we will dip to the single ion channel level with A. Becker giving his talk on the T-type calcium channel CaV3.2 and its transcriptional upregulation in epilepsy. Indicating that epilepsy involves much more than neuronal imbalance, M. Lerner-Natoli will highlight the role of blood-brain barrier impairment in epilepsy. Finally, U. Häussler will discuss whether the integration of newborn granule cells contributes to hyperexcitability in the hippocampal network.



## Symposium 12

*Friday, March 25, 2011*  
*9:00 – 12:00, Hall 104*

Chair: Carola Haas and Ute Häussler, Freiburg

- 9:00 Carola Haas, Freiburg  
INTRODUCTION TO CLINICAL AND  
NEUROPATHOLOGICAL FEATURES OF  
TEMPORAL LOBE EPILEPSY (S12-1)
- 9:10 Robert S. Sloviter, Tucson (USA)  
POSSIBLE ROLES FOR HIPPOCAMPAL  
NEURON LOSS AND SYNAPTIC  
REORGANIZATION IN TEMPORAL LOBE  
EPILEPTOGENESIS (S12-2)
- 9:40 Andreas Draguhn, Heidelberg  
EXCITATION-INHIBITION BALANCE AND  
EPILEPSY (S12-3)
- 10:10 **Coffee Break**
- 10:30 Albert J. Becker, Bonn  
TRANSCRIPTIONAL UP-REGULATION OF THE T-  
TYPE CALCIUM CHANNEL CAV3.2 PROMOTES  
EPILEPTOGENESIS (S12-4)
- 11:00 Mireille Lerner-Natoli, Montpellier (France)  
A VASCULAR CAUSE OF INTRACTABLE  
EPILEPSIES? (S12-5)
- 11:30 Ute Häussler, Freiburg  
ROLE OF NEUROGENESIS IN TEMPORAL  
LOBE EPILEPSY (S12-6)



## Introductory Remarks to Symposium 13

# Translational regulation in neurons and glial cells of the central nervous system

*Martin Theis and Stefan Kindler, Bonn and Hamburg*

Translational regulation in neurons allows local protein synthesis, which is of key importance for synapse-specific changes in neuronal communication. Cytoplasmic Polyadenylation Element Binding proteins (CPEB1-4) and the Fragile X Mental Retardation Protein (FMRP) control the transport and the local, stimulus-induced translation of target mRNAs critical for long-lasting changes in synaptic efficacy and protein synthesis-dependent forms of memory. However, the function of translational regulators in the central nervous system is not restricted to neurons: Recently, a role for CPEB1 in astrocytes has been described in the regulated translation of the CPEB target beta-catenin mRNA. In addition, members of the CPEB2-4 subfamily were detected in astrocytes, NG2 glia and microglia of the mouse hippocampus, where they regulate the translation of cell-type specific CPEB targets.

This symposium brings together work from experts in the field of translational regulation in neurons and glia. Iván Cajigas will talk about dendritically-localized mRNAs in hippocampal neurons, while Stefan Kindler will report on the impact of altered dendritic synthesis of postsynaptic proteins for the pathogenesis of the Fragile X-Syndrome. Joel Richter will talk about the role of the CPEB-associated cytoplasmic polyadenylation apparatus in synaptic plasticity. David Wells will present data on the CPEB-mediated regulation of beta-catenin mRNA metabolism in neurons and glia. Martin Theis will talk about the expression and function of the CPEB2-4 subfamily in astrocytes, NG2 glia and microglia.

## Symposium 13

*Saturday, March 26, 2011*

*9:00 – 12:00, Hall 9*

Chair: Martin Theis and Stefan Kindler,  
Bonn and Hamburg

9:00 **Opening Remarks**

9:05 Iván Cajigas, Frankfurt/Main  
IDENTIFICATION OF DENDRITICALLY-  
LOCALIZED MRNAS IN HIPPOCAMPAL  
NEURONS (S13-1)

9:35 Stefan Kindler, Hamburg  
FRAGILE X MENTAL RETARDATION PROTEIN  
REGULATES PROTEIN LEVELS IN  
POSTSYNAPTIC DENSITIES (S13-2)

10:05 Joel D. Richter, Worcester, MA (USA)  
THE CPEB-ASSOCIATED CYTOPLASMIC  
POLYADENYLATION APPARATUS REGULATES  
MRNA-SPECIFIC TRANSLATION IN DENDRITES  
AND SYNAPTIC PLASTICITY (S13-3)

10:35 **Coffee Break**

10:55 David G. Wells, New Haven (USA)  
PUTATIVE ROLE FOR CPEB1-MEDIATED MRNA  
TRANSLATION IN NEURONS AND GLIA (S13-4)

11:25 Martin Theis, Bonn  
EXPRESSION AND FUNCTION OF THE CPEB2-4  
SUBFAMILY IN ASTROCYTES, NG2 GLIA AND  
MICROGLIA (S13-5)

11:55 **Closing Remarks**



## Introductory Remarks to Symposium 14

# Dynamic processes in the auditory system

*Eckhard Friauf and Hans Gerd Nothwang, Kaiserslautern and Oldenburg*

Sensory systems are highly dynamic, arguably more than any other neural system. They first undergo a developmental transition from the formation of unique structures to stable networks involved in reliable processing of sensory inputs. Mature systems in turn have to adjust to a continually changing sensory environment. Within the auditory system, the application of a broad repertoire of classical and new-generation technologies has recently resulted in exciting insights into the mechanisms underlying the development and adjustments to the wide range of naturally occurring acoustic inputs. This will be illustrated by examples from both the peripheral and the central auditory system of vertebrates. With respect to the inner ear, W. Marcotti and T. Moser will address the long-standing question of the calcium sensor in inner hair cells. Furthermore, they will include the identification of developmental changes as well as molecular and cellular differences along the tonotopic axis. These talks will also demonstrate the great benefits of novel high-resolution microscopic and high-end imaging techniques in studying exceptional subcellular structures, such as the ribbon synapse. A second emphasis is laid on central auditory neurons that are involved in the localization of sound sources. C. Carr will provide insight into coincidence detectors and delay lines in birds and will discuss some comparative and evolutionary hypotheses. K. Kandler will present data concerning the synaptic reorganization and topographic specification of inhibitory maps in the rodent lateral superior olive. Finally, proteomics approaches will be reported to identify the molecular specifications that underlie the development and function of distinct central auditory brain regions and dynamic changes therein. E. Friauf will demonstrate differences in the proteome profile between the cochlear nuclear complex, superior olivary complex, and inferior colliculus. In the last talk, J. Schindler will provide insight into phosphorylation patterns of plasma membrane proteins in the central auditory system and changes therein related to deafness. In summary, the symposium is designed to demonstrate research progress in the auditory field at multiple levels: from nanoscale (molecular machineries) via microscale (synapses) and mesoscale (neurons) to macroscale (microcircuits and networks).

## Symposium 14

Saturday, March 26, 2011  
9:00 – 12:00, Hall 8

Chair: Eckhard Friauf and Hans Gerd Nothwang,  
Kaiserslautern and Oldenburg

- 9:00 Walter Marcotti, Sheffield (United Kingdom)  
FUNCTIONAL DEVELOPMENT OF HAIR CELL  
RIBBON SYNAPSES (S14-1)
- 9:25 Tobias Moser, Göttingen  
MOLECULAR PHYSIOLOGY OF SOUND  
ENCODING AT THE HAIR CELL RIBBON  
SYNAPSE (S14-2)
- 9:50 Catherine Emily Carr, College Park (USA)  
SYNAPTIC INPUTS AND COINCIDENCE  
DETECTION IN NUCLEUS LAMINARIS OF THE  
BARN OWL (S14-3)
- 10:15 **Coffee Break**
- 10:45 Karl Kandler, Pittsburgh, (USA)  
TONOTOPIC REFINEMENT OF AN  
INHIBITORY AUDITORY MAP (S14-4)
- 11:10 Eckhard Friauf, Kaiserslautern  
MOLECULAR SPECIFICATIONS UNDERLYING  
THE DEVELOPMENT AND FUNCTION OF  
AUDITORY BRAINSTEM REGIONS: A GLOBAL  
PROTEOMIC APPROACH (S14-5)
- 11:35 Jens Schindler, Oldenburg  
MONITORING ACTIVITY-DRIVEN CHANGES  
IN THE (PHOSPHO)PROTEOME OF PLASMA  
MEMBRANE PROTEINS IN THE AUDITORY  
BRAINSTEM (S14-6)



## Introductory Remarks to Symposium 15

# Light sensors in new light: A comparative and integrative view on photoreceptors, their function, differentiation and degeneration

Uwe Wolfrum and François Paquet-Durand, Mainz and Tübingen

Photoreceptors are neurons highly specialized to their unique function of photon capture, transformation into electrical signals, and transmission to 2<sup>nd</sup> order retinal neurons. They present distinctive features, e.g. phototransduction cascades or the architecture of transductive compartments and synapses, which are illustrative of how far structural and molecular adjustments of neurons may go. Nevertheless, insights into the molecular function of photoreceptors certainly enlighten operative mechanisms in cells and neurons in general. The symposium will initially present some of the enormous variety of photoreceptor types in different species and give a current comprehensive view of photoreceptor evolution. Further scientific presentations will focus on cellular and molecular aspects of photoreceptor function, differentiation and degeneration.

Photoreceptors are among the metabolically most active cells in our body. The light sensitive outer segment of vertebrate photoreceptors is continually renewed throughout life. To achieve and sustain such a high level of activity, effective intracellular transport is essential. Uwe Wolfrum (Mainz) will introduce photoreceptors from a cell biology point of view, highlighting the importance of transport mechanisms in cell maintenance, homeostasis and adaptation.

In the 1<sup>st</sup> part of the symposium, Zbynek Kozmik (Prague) will use the example of box jellyfish photoreceptors to address the evolution of phototransduction. Using *Drosophila*, Armin Huber (Stuttgart) will focus on the transducosome in the transductive compartment of rhabdomeric photoreceptors. Leo Peichl (Frankfurt/Main), will give a comparative overview of photoreceptor properties across different mammalian species.

Diseases causing photoreceptor degeneration are a major cause of blindness in humans. The 2<sup>nd</sup> part of the symposium will present new insights into the molecular pathways governing photoreceptor differentiation and degeneration. Aspects of the differentiation and generation of photoreceptors from stem cells for future therapies will be presented by Yvan Arsenijevic (Lausanne). Johann Helmut Brandstätter (Erlangen) will describe the molecular

## Symposium 15

Saturday, March 26, 2011  
9:00 – 12:00, Hall 105

Chair: Uwe Wolfrum and François Paquet-Durand,  
Mainz and Tübingen

- 9:00 Uwe Wolfrum, Mainz  
PHOTORECEPTION AND PHOTORECEPTOR CELL  
BIOLOGY (S15-1)
- 9:15 Zbynek Kozmik, Prague (Czech Republic)  
BOX JELLYFISH PHOTORECEPTION AND  
PHOTORECEPTOR EVOLUTION (S15-2)
- 9:40 Armin Huber, Stuttgart  
THE TRP ION CHANNELS OF *DROSOPHILA*  
PHOTORECEPTORS (S15-3)
- 10:05 Leo Peichl, Frankfurt/Main  
COMPARATIVE ANALYSIS OF MAMMALIAN  
PHOTORECEPTOR ARRANGEMENTS (S15-4)
- 10:30 **Coffee break**
- 10:45 Yvan Arsenijevic, Lausanne (Switzerland)  
DIFFERENTIATION OF VERTEBRATE  
PHOTORECEPTORS (S15-5)
- 11:10 Johann Helmut Brandstätter, Erlangen  
THE MAKING AND BREAKING OF THE  
PHOTORECEPTOR RIBBON SYNAPSE (S15-6)
- 11:35 François Paquet-Durand, Tübingen  
PHOTORECEPTOR CELL DEATH MECHANISMS:  
APOPTOSIS, NECROSIS, OR WHAT? (S15-7)
- 11:55 **Closing Remarks**  
Uwe Wolfrum and François Paquet-Durand

---

composition of specialized ribbon synapses during differentiation and degeneration. François Paquet-Durand (Tübingen) will present recent evidence on non-apoptotic metabolic pathways as alternative causes for photoreceptor neurodegeneration.

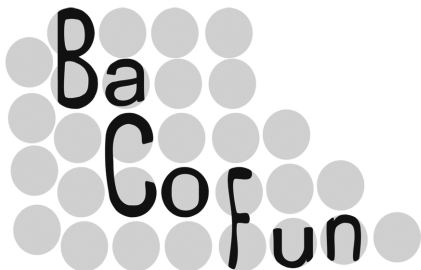


## Introductory Remarks to Symposium 16

# Barrel cortex function: From single cells to behaving animals

*Heiko Luhmann and Fritjof Helmchen, Mainz and Zürich (Switzerland)*

Symposium 16 is based on a recently established bi-national research unit (Forschergruppe „Barrel Cortex Function“, DFG FOR 1341; spokesman: Heiko Luhmann), which consists of the 6 speakers in this symposium. The rodent barrel cortex offers unique opportunities for studying sensory processing in a cortical column and to correlate whisker-related behaviour with neuronal activity in a well-defined cortical map. The sensory information from the whiskers is transmitted in a highly ordered topographic manner to the primary somatosensory cortex. Here, the thalamocortical afferents arising from one single whisker of the contralateral snout, project primarily to layer IV and neocortical modules of 300-500  $\mu\text{m}$  in diameter process this information. The rodent barrel cortex offers a number of additional unique advantages to study the mechanisms underlying the organization, plasticity and development of a neocortical column: (i) The barrel-related cortical column can be easily identified in vivo and in unstained brain slices in vitro, (ii) the sensory periphery can be manipulated in various ways and trimmed whiskers regrow, (iii) specific neuronal cell types located in a selected cortical layer of a well-defined cortical column of mouse barrel cortex can be targeted by genetic manipulation of specific genes, and (iv) the monitoring and manipulation of single neurons in vivo. These issues are addressed by the speakers of the symposium by using state-of-the-art techniques and by developing novel in vivo imaging and multi-electrode recording techniques.





## Symposium 16

Saturday, March 26, 2011

9:00 – 12:00, Hall 104

Chair: Heiko Luhmann and Fritjof Helmchen,  
Mainz and Zürich (Switzerland)

9:00 **Opening Remarks**

Heiko Luhmann

9:05 Jochen Staiger, Göttingen  
CELL TYPE-SPECIFICITY OF THALAMIC INPUT  
TO INHIBITORY INTERNEURONS IN THE  
MOUSE BARREL CORTEX IN VITRO (S16-1)

9:30 Dirk Feldmeyer, Jülich  
DENDRITIC TARGET REGION SPECIFICITY OF  
EXCITATORY SYNAPTIC CONNECTIONS  
FROM LAYER 4 TO LAYER 6A IN RAT BARREL  
CORTEX (S16-2)

09:55 Fritjof Helmchen, Zürich (Switzerland)  
FUNCTIONAL IMAGING OF NEURONAL  
POPULATIONS IN BARREL CORTEX USING A  
GENETICALLY-ENCODED CALCIUM  
INDICATOR (S16-3)

10:20 **Coffee Break**

10:40 James Poulet, Berlin  
CORTICAL PROCESSING DURING  
BEHAVIOUR (S16-4)

11:05 Carl Petersen, Lausanne (Switzerland)  
PUTATIVE ROLE FOR CPEB1-MEDIATED MRNA  
TRANSLATION IN NEURONS AND GLIA (S16-5)

11:30 Cormelius Schwarz, Tübingen  
SENSORIMOTOR CORTEX ACTIVITY IN RATS  
RELATED TO WHISKING (S16-6)

11:55 **Closing Remarks**

Fritjof Helmchen



## Introductory Remarks to Symposium 17

# Neurobiology of complex social behaviour: from bonding to autism

*Inga D. Neumann and Sabine Herpertz, Regensburg and Heidelberg*

The neurobiological basis of complex social interactions has been illuminated through the use of behavioural, neurobiochemical and functional analysis in animal models on one hand, and neuroimaging of the human brain on the other. This has provided novel insights into the neurobiology and evolution of social behaviour and demonstrated the important involvement of brain neuropeptides like vasopressin and oxytocin. The symposium will highlight various aspects of neuropeptidergic regulation of social behaviour.

James L. Goodson will start describing the evolutionary plasticity of the brain vasopressinergic and oxytocinergic systems involved in the generation of social diversity. Inga Neumann will demonstrate the involvement of locally released neuropeptides within defined brain regions in the regulation of various facets of social behaviour (social interaction, recognition, intermale aggression) in close context with emotion regulation. Zuoxin Wang will present exciting results regarding the interaction of oxytocin and dopamine within the nucleus accumbens important for the establishment of social bonding in male voles. Mike Ludwig (Edinburgh) will demonstrate the involvement of vasopressin interneurons within the olfactory bulb in social recognition, the basis of bonding and complex social behaviours. The neurobiology of socio-emotional dysfunction and mental disorders in human patients will be in the focus of the last two presentations. Sabine Herpertz (Heidelberg) will provide evidence for the involvement of dysregulation of the oxytocin system in autism and Asperger patients. Andreas Meyer-Lindenberg (Mannheim) will demonstrate the participation of defined brain regions like the amygdala in normal and abnormal social behaviour and aggression using functional MRT in connection with oxytocin treatment in these individuals.

## Symposium 17

*Saturday, March 26, 2011*

*9:00 – 12:00, Hall 10*

Chair: Inga D. Neumann and Sabine Herpertz,  
Regensburg and Heidelberg

- 9:00 James L. Goodson, Bloomington, (USA)  
EVOLUTIONARY CONVERGENCE AND  
DIVERGENCE IN THE NONAPEPTIDE  
MECHANISMS OF GROUPING AND  
MONOGAMY (S17-1)
- 9:25 Inga D. Neumann, Regensburg  
LINK BETWEEN COMPLEX SOCIAL  
BEHAVIOURS AND ANXIETY: INVOLVEMENT  
OF THE PRO-SOCIAL NEUROPEPTIDES  
OXYTOCIN AND VASOPRESSIN (S17-2)
- 9:50 Zuoxin Wang, Tallahassee, (USA)  
THE MONOGAMOUS MALE BRAIN -  
NEUROCHEMICAL REGULATION OF SOCIAL  
BONDING (S17-3)
- 10:15 **Coffee Break**
- 10:45 Mike Ludwig, Edinburgh (United Kingdom)  
ON THE RELATIONSHIP BETWEEN EMOTION  
AND COGNITION (S17-4)
- 11:10 Sabine C. Herpertz, Heidelberg  
EFFECTS OF OXYTOCIN ON THE SOCIAL  
BRAIN IN ASPERGER AUTISM (S17-5)
- 11:35 Andreas Meyer-Lindenberg, Mannheim  
GENETIC AND SYSTEMS-LEVEL MECHANISMS  
OF SOCIAL INTERACTIONS IN HUMANS  
(S17-6)



## Introductory Remarks to Symposium 18

# ALS, Huntington's disease and Parkinson's disease: From molecular pathogenesis to target validation in aggregopathies

*Jochen Weishaupt and Pawel Kermer, Göttingen*

Pathological protein aggregation is a common feature of several neurodegenerative diseases. Genetically determined forms of neurodegenerative diseases are especially suitable to gain more insights into the molecular pathogenesis and potential therapeutic targets. Pathologically altered protein solubility, the chaperone system, protein degradation pathways and posttranslational modifications as ubiquitylation and SUMOylation are in the focus of interest. This symposium aims to present most recent findings in this field with regard to M. Parkinson-, M. Huntington- and ALS-related genes. Current cell biological approaches will be presented which allow delineating the implication of pathological protein aggregation for therapeutic target validation. Moreover, first therapeutic strategies that evolved from these efforts will be presented.

## Symposium 18

Saturday, March 26, 2011  
9:00 – 12:00, Hall 102

Chair: Jochen Weishaupt and Pawel Kermer, Göttingen

- 9:00 Tiago Fleming Outeiro, Lisbon (Portugal)  
MODIFICATION OF ALPHA-SYNUCLEIN  
OLIGOMERIZATION IN LIVING CELLS (S18-1)
- 9:30 Markus Zweckstetter, Göttingen  
MECHANISMS OF ALPHA-SYNUCLEIN  
MEDIATED NEUROTOXICITY (S18-2)
- 10:00 Anne-Marie van Dam, Amsterdam (Netherlands)  
MICROGLIOSIS IN THE ANTERIOR OLFACTORY  
NUCLEUS OF PARKINSON AND ALZHEIMER  
PATIENTS (S18-3)
- 10:30 **Coffee Break**
- 11:00 Pawel Kermer, Göttingen  
BAG1 MODULATES DETOXIFICATION OF  
DISEASE-SPECIFIC PROTEINS IN  
NEURODEGENERATION (S18-4)
- 11:30 Jochen Weishaupt, Göttingen  
SUMO WRESTLES WITH ALPHA-SYNUCLEIN:  
AN ENDOGENOUS REGULATOR OF  
AGGREGATION AND TOXICITY (S18-5)



## Introductory Remarks to Symposium 19

# Neural cell adhesion molecule NCAM and its post-translational modifications at the crossroad of signaling pathways and neural functions

*Alexander Dityatev and Evgeni Ponimaskin, Genova (Italy) and Hannover*

Neural cell adhesion molecule (NCAM) is a membrane-bound cell recognition molecule that exerts important neural functions including neurogenesis, cell migration, neurite outgrowth, axon fasciculation, synaptogenesis and synaptic plasticity. Since NCAM has been discovered more than 30 years ago as the first immunoglobulin superfamily cell adhesion molecule, it serves as a source of inspiration for biologists working in the neurodevelopment field. This symposium will enlighten recent progress in our understanding of NCAM posttranslational modifications and signaling in normal brain development and disease. Ectodomain shedding of NCAM isoforms can produce an extracellular soluble neural cell adhesion molecule fragment (NCAM-EC) and a smaller C-terminal fragment of NCAM. Other important NCAM modifications are generated by ubiquitination and palmitoylation. The latter directs NCAM into lipid rafts and can modulate NCAM functions. NCAM also undergoes a rare posttranslational modification in the brain by addition of polysialic acid (polysialylation of NCAM). Speakers of this symposium will present novel data on Ca<sup>2+</sup>/calmodulin-dependent generation and nuclear import of the C-terminal fragment of NCAM (Ralf Kleene) and fibroblast growth factor-triggered palmitoylation of NCAM (Evgeni Ponimaskin). The importance of NCAM and its polysialylated form for development of neural stem cells, GABAergic neurons and axonal pathfinding in vivo will be discussed by Simone Diestel and Herbert Hildebrandt. The striking parallels to structural and functional brain pathology in schizophrenia and in mice deficient in PSA-NCAM or overexpressing NCAM-EC will be highlighted by Herbert Hildebrandt and Alexander Dityatev. NCAM is also a risk factor for bipolar disorder, depression, anxiety disorders and Alzheimer's disease. As cognitive dysfunction forms a core feature of these disorders, it is of particular interest that impaired synaptic plasticity and learning in mice deficient in NCAM or PSA can be rescued by inhibition of signaling mediated by extrasynaptic NR2B-containing NMDA receptors, Ras-GRF1 and p38 MAPK (Alexander Dityatev). We think that this symposium will be of interest both for molecular and cellular neurobiologists and for neuroscientists conducting translational research.

## Symposium 19

*Sunday, March 27, 2011  
9:00 – 12:00, Hall 102*

Chair: Alexander Dityatev and Evgeni Ponimaskin,  
Genova (Italy) and Hannover

- 9:00 Ralf Kleene, Hamburg  
FUNCTIONAL ROLES OF THE INTERACTION  
BETWEEN THE NEURAL CELL ADHESION  
MOLECULE NCAM AND CALMODULIN IN  
NCAM SIGNAL TRANSDUCTION AND IN  
NUCLEAR IMPORT OF A TRANSMEMBRANE  
NCAM FRAGMENT (S19-1)
- 9:30 Evgeni Ponimaskin, Hannover  
FIBROBLAST GROWTH FACTOR-REGULATED  
PALMITOYLATION OF THE NEURAL CELL  
ADHESION MOLECULE AND NEURONAL  
MORPHOGENESIS (S19-2)
- 10:00 Simone Diestel, Bonn  
REGULATION OF CELLULAR MECHANISMS BY  
NCAM: IN VIVO AND IN VITRO STUDIES (S19-3)
- 10:30 **Coffee Break**
- 11:00 Herbert Hildebrandt, Hannover  
PATHOLOGICAL BRAIN DEVELOPMENT OF  
MICE DEFICIENT IN NCAM POLYSIALYLATION  
(S19-4)
- 11:30 Alexander Dityatev, Genova (Italy)  
NCAM-ASSOCIATED POLYSIALIC ACID  
REGULATES SYNAPTIC PLASTICITY AND  
LEARNING BY RESTRAINING THE SIGNALING  
THROUGH GLUN2B-CONTAINING NMDA  
RECEPTORS (S19-5)



## Introductory Remarks to Symposium 20

# Cellular actions of neuropeptides and biogenic amines in invertebrates

*Wolfgang Blenau and Arnd Baumann, Potsdam and Jülich*

Biogenic amines and neuropeptides are important messenger substances and regulators of cell function. In invertebrates they subserve various functions by acting as neurotransmitters, neuromodulators, and neurohormones. A plethora of cellular and systemic reactions are controlled by these compounds, e.g. endocrine and exocrine secretion, the generation of motor patterns, and the contraction properties of muscle. Most importantly, biogenic amines and neuropeptides modulate the activity of neurons and contribute to circadian rhythms, aggression, learning processes and other behaviors. These diverse cellular and physiological reactions are initiated by signaling cascades driven by G-protein coupled receptors (GPCRs) to which the compounds bind. In recent years a wealth of information has been accumulated for the respective receptors and the cellular pathways they couple to. Some GPCR classes are unique to invertebrates whereas others share high similarity with vertebrate proteins. The symposium is dedicated to provide recent and state of the art findings and analysis tools to unravel the functional and physiological role and properties of both biogenic amines and neuropeptides as well as their corresponding receptor proteins. In this session, specific aspects ranging from behavioral and systemic analyses to the pharmacological and functional-molecular analyses of individual receptor-signaling systems of arthropods and *C. elegans* will be addressed by leading experts in the field.



## Symposium 20

Sunday, March 27, 2011  
9:00 – 12:00, Hall 104

Chair: Wolfgang Blenau and Arnd Baumann,  
Potsdam and Jülich

- 9:00 Frank Hauser, Kopenhagen (Denmark)  
INSECT NEUROPEPTIDES AND THEIR  
RECEPTORS – A COMPARATIVE GENOMICS  
APPROACH (S20-1)
- 9:25 Otto Baumann, Potsdam  
THE NEUROHORMONE SEROTONIN  
REGULATES PLASMA MEMBRANE V-ATPASE  
ACTIVITY IN THE BLOWFLY (S20-2)
- 9:50 Christian Wegener, Marburg  
CELLULAR POLARITY OF PEPTIDERGIC  
NEURONS AND POSSIBLE IMPLICATIONS FOR  
THE ORGANISATION OF PEPTIDERGIC  
SIGNALLING NETWORKS (S20-3)
- 10:15 **Coffee Break**
- 10:45 Axel Brockmann, Urbana, (USA)  
EXPLORING PEPTIDE SIGNALING INVOLVED IN  
HONEY BEE FORAGING BEHAVIOR (S20-4)
- 11:10 Richard Walter Komuniecki, Toledo, (USA)  
MONOAMINES AND NEUROPEPTIDES  
INTERACT TO INHIBIT NOCICEPTIVE  
BEHAVIOR IN *CAENORHABDITIS ELEGANS*  
(S20-5)
- 11:35 Paul Anthony Stevenson, Leipzig  
NEUROCHEMICAL CONTROL OF THE  
DECISION TO FIGHT OR FLEE IN CRICKETS (S20-6)



## Introductory Remarks to Symposium 21

# Optogenetics in neuroscience: From basic principles to applications

*Tobias Moser, Stefan Treue and Hartwig Spors,  
Göttingen and Frankfurt/Main*

The identification and characterization of light-gated ion channels and enzymes has initiated major progress in analysis of neuronal function in recent years. Specific optogenetic targeting of neuronal populations, combined with innovative optical technology, has provided neuroscientists with unprecedented possibilities to exert neuronal control and interrogate complex neuronal networks. Moreover, the optogenetic approach promises to overcome longstanding limitations in neuroprosthetics. This symposium will provide an update on optogenetic technology. It will present data and developments on the structure and function of channelrhodopsins, halo- and bacteriorhodopsins and newly engineered variants. The topics covered will also include optical control architectures and demonstrate state-of-the-art optogenetic tools for the use in various animal species.

The symposium should thus be of interest for scientists experienced in using optogenetic approaches as well as for those getting an overview of the field, its current state and the scientific potential of optogenetics.

## Symposium 21

Sunday, March 27, 2011

9:00 – 12:00, Hall 10

Chair: Tobias Moser, Stefan Treue and Hartwig Spors,  
Göttingen and Frankfurt/Main

### 9:00 **Opening Remarks**

9:05 Ernst Bamberg, Frankfurt/Main  
MOLECULAR PROPERTIES AND NEW  
DEVELOPMENTS OF CHANNELRHODOPSINS  
AS OPTOGENETIC TOOLS (S21-1)

9:30 Patrick Degenaar, London (United Kingdom)  
OPTICAL CONTROL ARCHITECTURE FOR  
OPTOGENETIC NEURAL STIMULATION (S21-2)

9:55 Thomas G. Oertner, Basel (Switzerland)  
MODIFYING NEURONAL CONNECTIONS  
WITH LIGHT (S21-3)

### 10:20 **Coffee Break**

10:45 Alexander Gottschalk, Frankfurt/Main  
OPTOGENETIC SCREEN FOR SYNAPTIC  
VESICLE RECYCLING MUTANTS AND  
ANALYSIS OF SYNAPTIC ULTRASTRUCTURE  
AFTER OPTICAL HYPERSTIMULATION IN  
CAENORHABDITIS ELEGANS (S21-4)

11:10 Ilka Diester, Stanford, (USA)  
AN OPTOGENETIC TOOLBOX DESIGNED  
FOR PRIMATES (S21-5)

11:35 Victor Hernandez, Göttingen  
CHANNELRHODOPSIN-2 MEDIATED OPTICAL  
STIMULATION OF THE COCHLEA (S21-6)



## Introductory Remarks to Symposium 22

# Unravelling the activity-dependent mechanisms of network formation in the neonatal cortex

*Ileana L. Hanganu-Opatz and Kai Kaila, Hamburg and Helsinki (Finland)*

During the last years, an impressive body of knowledge has been accumulated on the mechanisms by which activity influences the development of cortical architecture and function. Whereas molecular cues set the coarse organization of the cortical circuits, it is the early electrical activity, either experience-dependent or – independent, that refines them. The symposium aims at providing a comprehensive overview of recent key findings. Thus, it will offer an up-to-date presentation of the mechanisms underlying the maturation of cortical circuits under physiological and pathophysiological conditions. The first two presentations (Kanold, Akerman) will focus on the establishment of early neuronal circuits in developing sensory cortices. The lecture by Patrick Kanold will highlight the role of transiently-expressed neurons, the subplate neurons in the development of functional brain organization and acquirement of sensory perception. The mechanisms controlling the establishment of synaptic circuits in the visual system are the main topic of the lecture by Colin Akerman, who will present new findings on how glutamatergic and GABAergic inputs converge onto single neurons and how these inputs are altered by early sensory experience. The talk by Werner Kilb will present evidence that neurotransmitter systems can activate particular presynaptic GABAergic neurons and give rise to distinct temporal patterns of GABAergic activity in the immature neocortex. In addition, it will be shown that conditions that induce high frequency activation of GABAergic inputs can influence the intracellular Cl<sup>-</sup> homeostasis and thus GABAergic actions. The role of cation-chloride cotransporters in the development and plasticity of cortical circuitry and the effects of pathophysiological activity (e.g. neonatal seizures) on the function of the cation-chloride cotransporter KCC2 will be the main topics of the lecture by Peter Blaesse. Besides interfering with the development of neuronal networks in sensory cortices, the early patterns of electrical activity control the maturation of cortico-hippocampal-subcortical networks that are responsible for mnemonic and executive abilities. Ileana Hanganu-Opatz will illustrate the ability of coordinated hippocampal and subcortical activity to drive the maturation of the prefrontal cortex, whereas Sudhir Sivakumaran will lecture on the mechanisms controlling the

## Symposium 22

Sunday, March 27, 2011  
9:00 – 12:00, Hall 105

Chair: Ileana L. Hanganu-Opatz and Kai Kaila,  
Hamburg and Helsinki (Finland)

- 9:00 Patrick O. Kanold, College Park, (USA)  
CIRCUITS THAT CONTROL CORTICAL  
DEVELOPMENT AND PLASTICITY, SUBPLATE  
NEURONS AND BEYOND (S22-1)
- 9:25 Colin Akerman, Oxford (United Kingdom)  
SYNAPTIC CIRCUIT FORMATION AND  
PLASTICITY IN THE DEVELOPING VISUAL  
SYSTEM (S22-2)
- 9:50 Werner Kilb, Mainz  
INDUCTION OF GABAERGIC ACTIVITY  
PATTERNS DURING EARLY NEOCORTICAL  
DEVELOPMENT (S22-3)
- 10:15 **Coffee Break**
- 10:45 Peter Blaesse, Helsinki (Finland)  
PLASTICITY, SEIZURES AND CHLORIDE  
REGULATION IN NEONATAL NEURONS (S22-4)
- 11:10 Ileana Hanganu-Opatz, Hamburg  
MATURATION OF PREFRONTAL-SUBCORTICAL  
NEURONAL NETWORKS AS RESULT OF EARLY  
SYNCHRONIZED ACTIVITY PATTERNS (S22-5)
- 11:35 Sudhir Sivakumaran, Trieste (Italy)  
AT IMMATURE MOSSY-FIBER-CA3 SYNAPSES,  
CORRELATED PRESYNAPTIC AND POSTSYNAPTIC  
ACTIVITY PERSISTENTLY ENHANCES GABA  
RELEASE AND NETWORK EXCITABILITY VIA BDNF  
AND CAMP-DEPENDENT PKA (S22-6)

---

early plasticity within neonatal hippocampal networks. This symposium aims at providing an up-to-date and exciting overview on mechanisms responsible for normal as well as impaired maturation and function of neuronal networks.



## Introductory Remarks to Symposium 23

# The social brain - in health and disease

*Markus Wöhr and Konstantin Radyushkin, Marburg and Göttingen*

Mice and rats are social species, displaying a variety of social behaviors such as care giving, mating and aggression. For communicative purposes they use olfactory and auditory signals, namely scent markings and ultrasonic vocalizations. Exploring brain mechanisms underlying rodent social behavior and communication may help to gain a better understanding of the etiology of human neuropsychiatric diseases characterized by aberrant social behavior and communication deficits such as autism, anxiety disorders, depression and schizophrenia. Gareth Lahvis will discuss how various mouse experiences affect its repertoire of vocalizations. In turn, he will ask how these vocalizations can influence the affective state of a mouse that hears them. Markus Wöhr will describe brain mechanisms underlying rodent ultrasonic communication, focusing on certain genes, neurotransmitter systems and their link to neurogenesis. He will present playback studies which have shown that high-frequency ultrasonic vocalizations induce social approach behavior in the recipient as well as subsequent pharmacological, immunohistochemical and lesion studies that revealed important regulatory systems such as opioids. Kurt Hammerschmidt will demonstrate that rodent ultrasonic vocalization is a valuable readout in animal models of psychiatric disease. His talk will give an overview on structure and function of rodent ultrasound and present some studies in which analysis of ultrasonic vocalizations was used to characterize disease specific behavior. Since the brain is heavily influenced by external social factors, and social stress is a powerful modulator of brain morphology and function, the last three speakers will delineate behavioral, morphological and biochemical outcomes upon social stress and social defeat in rodents. Francesca D'Amato will present an animal model for panic disorder based on an endophenotype (hyper-responsivity to CO<sub>2</sub>) that has predictive value in humans and then dissect genetic and environmental components. Stressful events in childhood and youth are powerful predictors of panic disorder in humans and this animal model is based on a deficit in infant attachment in mice due to repeated substitution of the caretaker (the mother) during the first postnatal days. Eberhard Fuchs will show the highly complex and well orchestrated manner in which the social brain responds to stress. He will demonstrate by means of rodent social defeat/stress data how a multitude of factors modulate brain

## Symposium 23

Sunday, March 27, 2011  
9:00 – 12:00, Hall 8

Chair: Markus Wöhr and Konstantin Radyushkin,  
Marburg and Göttingen

- 9:00 Gareth P. Lahvis, Portland, (USA)  
JUVENILE MOUSE ULTRASONIC  
VOCALIZATIONS EMITTED DURING A DYADIC  
ENCOUNTER RESPOND TO THE DISTINCT  
PAST EXPERIENCES OF ONE INDIVIDUAL (S23-1)
- 9:25 Markus Wöhr, Marburg  
RODENT ULTRASONIC COMMUNICATION -  
BRAIN MECHANISMS UNDERLYING SOCIAL  
APPROACH BEHAVIOR (S23-2)
- 9:50 Kurt Hammerschmidt, Göttingen  
RODENT ULTRASONIC VOCALIZATIONS AS A  
VALUABLE READOUT IN ANIMAL MODELS OF  
PSYCHIATRIC DISEASES (S23-3)
- 10:15 **Coffee Break**
- 10:45 Francesca R. D'Amato, Rom (Italy)  
GENE-ENVIRONMENT INTERACTION AND  
RESPONSE TO AMBIENT CO<sub>2</sub>: AN ANIMAL  
MODEL FOR PANIC DISORDER (S23-4)
- 11:10 Eberhard Fuchs, Göttingen  
IS STRESS ALWAYS BAD FOR THE BRAIN? (S23-5)
- 11:35 Ahmed El-Kordi, Göttingen  
FEAR IS ONLY IN OUR MINDS: A NOVEL  
ANIMAL MODEL FOR CLAUSTROPHOBIA  
(S23-6)

---

structure and function. Finally, Ahmed El-Kordi will focus on a very specific form of social stress, namely phobias. He will introduce a novel mouse model for claustrophobia, which will open new avenues for understanding brain mechanisms related to phobia(s) and to behavioral psychotherapy.



## Introductory Remarks to Symposium 24

# How do neurodegenerative diseases develop and how to cure them: What can we learn from diverse animal models?

*Roland Brandt and Rolf Heumann, Osnabrück and Bochum*

Animal models are an important tool in understanding the mechanisms of neurodegenerative diseases and to test potentially useful therapeutic strategies. However, it has become increasingly evident that experiments with different animal models can lead to quite different conclusions. An example present recent studies on the molecular mechanisms involved in Alzheimer's disease where non vertebrate and vertebrate models come to different conclusions with respect to the role of protein aggregation in the disease process. In this symposium different animal models will be presented and potential advantages as well as limitations with respect to the understanding of human diseases will be discussed. Lectures will be given on diverse animal models in the study of neurodegenerative diseases including *Drosophila* (P. Callaerts, Leuven, Belgium), Zebrafish (D. Paquet, München), Mouse as a model for immunization approaches (R. Nitsch, Zürich, Switzerland) and Mouse as a model for demyelinating diseases (K.A. Nave, Göttingen). Additional slots are filled with short progress reports.

Organized by the GBM-study group „Molecular Neurobiology“





## Symposium 24

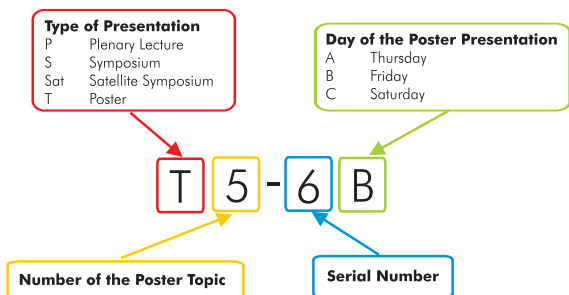
*Sunday, March 27, 2011*  
9:00 – 12:00, Hall 9

Chair: Roland Brandt and Rolf Heumann,  
Osnabrück and Bochum

- 9:00 Chronis Fatouros, Freiburg  
A WORM MODEL OF TAUOPATHY (S24-1)
- 9:30 Patrick Callaerts, Leuven (Belgium)  
DROSOPHILA GLUED, A GENETIC MODEL FOR  
THE IDENTIFICATION OF NEW GENES IN-  
VOLVED IN AXONAL TRANSPORT AND NEURO-  
DEGENERATIVE PROCESSES (S24-2)
- 10:00 Dominik Paquet, München  
EXPLORING NEURODEGENERATION IN  
TRANSGENIC ZEBRAFISH (S24-3)
- 10.30 Roger M. Nitsch, Zürich (Switzerland)  
FROM MICE TO MEN: TARGETING AMYLOID  
PATHOLOGY WITH ABETA IMMUNOTHERAPY  
(S24-4)
- 11:00 Klaus-Armin Nave, Göttingen  
MOUSE MODELS OF DEMYELINATING  
DISEASES (S24-5)
- 11:30 **Progress Reports**



## Explanation of Abstract Numbers



There are two poster sessions on Thursday, on Friday and on Saturday each. There is no poster session on Sunday. Poster with poster numbers ending with an A are displayed on Thursday, poster with a poster number ending with a B are displayed on Friday, posters with a poster number ending with a C are displayed on Saturday.

Each poster session is divided into two parts: odd and even serial numbers. In the first session of a day posters with odd serial numbers will be discussed. In the second hour of the first session of a day posters with even serial numbers will be discussed. In the second session of a day posters with odd serial poster numbers will be discussed again in the first hour and in the second hour of the same session posters with even serial numbers will be discussed once more.

### Example

#### T21-2B

T = poster to a poster topic

21 = the poster topic is No. 21, i.e. Motor Systems

2 = serial number (even number, i.e. second hours of each session)

B = indicates the day, i.e. Friday

This means: poster **T21-2B** is a poster belonging to the topic "Motor Systems" and is presented on Friday, March 25, 14:00 -15:00 h and 17:00 -18:00 h in the poster area 21.

## Poster Topics

Poster Topic	Thurs- day	Fri- day	Satur- day
T1: Stem cells, neurogenesis and Gliogenesis	T1-1A – T1-12A	T1-1B – T1-12B	T1-1C – T1-13C
T2: Axon and dendrite development, synaptogenesis	T2-1A – T2-9A	T2-1B – T2-9B	T2-1C – T2-10C
T3: Developmental cell death, regeneration and transplantation	T3-1A – T3-4A	T3-1B – T3-5B	T3-1C – T3-5C
T4: Neurotransmitters, retrograde messengers and cytokines	T4-1A – T4-6A	T4-1B – T4-6B	T4-1C – T4-7C
T5: G Protein-linked and other receptors	T5-1A – T5-2A	T5-1B – T5-2B	T5-1C – T5-3C
T6: Ligand-gated, voltage-dependent ion channels, and transporters	T6-1A – T6-13A	T6-1B – T6-12B	T6-1C – T6-12C
T7: Synaptic transmission, pre- and postsynaptic organization	T7-1A – T7-17A	T7-1B – T7-16B	T7-1C – T7-16C
T8: Synaptic plasticity, LTP, LTD	T8-1A – T8-12A	T8-1B – T8-11B	T8-1C – T8-12C
T9: Glia, glia-neuron interactions	T9-1A – T9-9A	T9-1B – T9-9B	T9-1C – T9-9C
T10: Aging and developmental disorders	T10-1A – T10-4A	T10-1B – T10-3B	T10-1C – T10-4C
T11: Alzheimer's, Parkinson's and other neurodegenerative diseases	T11-1A – T11-26A	T11-1B – T11-26B	T11-1C – T11-26C
T12: Neuroimmunology, inflammation and neuroprotection	T12-1A – T12-12A	T12-1B – T12-11B	T12-1C – T12-11C



Poster Topic	Thurs- day	Fri- day	Satur- day
T13: Cognitive, emotional, behavioral state disorders and addiction	T13-1A – T13-8A	T13-1B – T13-8B	T13-1C – T13-8C
T14: Vision: invertebrates	T14-1A – T14-9A	T14-1B – T14-8B	T14-1C – T14-8C
T15: Vision: retina and subcortical pathways	T15-1A – T15-16A	T15-1B – T15-15B	T15-1C – T15-16C
T16: Vision: striate and extrastriate cortex, eye movement and visuomotor processing	T16-1A – T16-10A	T16-1B – T16-9B	T16-1C – T16-11C
T17: Auditory mechanoreceptors, vestibular, cochlea, lateral line and active sensing	T17-1A – T17-10A	T17-1B – T17-10B	T17-1C – T17-10C
T18: Auditory system: subcortical and cortical processing	T18-1A – T18-19A	T18-1B – T18-18B	T18-1C – T18-18C
T19: Chemical senses: olfaction, taste, others	T19-1A – T19-31A	T19-1B – T19-30B	T19-1C – T19-31C
T20: Somatosensation: touch, temperature, proprioception, nociception	T20-1A – T20-10A	T20-1B – T20-10B	T20-1C – T20-9C
T21: Motor systems	T21-1A – T21-14A	T21-1B – T21-13B	T21-1C – T21-14C
T22: Homeostatic and neuroendocrine systems, stress response	T22-1A – T22-5A	T22-1B – T22-4B	T22-1C – T22-4C
T23: Neural networks and rhythm generators	T23-1A – T23-18A	T23-1B – T23-18B	T23-1C – T23-18C
T24: Attention, motivation, emotion and cognition	T24-1A – T24-13A	T24-1B – T24-13B	T24-1C – T24-14C

Poster Topic	Thurs- day	Fri- day	Satur- day
T25: Learning and memory	T25-1A – T25-25A	T25-1B – T25-24B	T25-1C – T25-25C
T26: Computational neuroscience	T26-1A – T26-16A	T26-1B – T26-15B	T26-1C – T26-16C
T27: Techniques and demonstrations	T27-1A – T27-10A	T27-1C – T27-11B	T27-1C – T27-12C



## T1: Stem cells, neurogenesis and gliogenesis

### Thursday

- T1-1A** ALTERED DENSITIES OF DEFINED GABAERGIC INTERNEURON POPULATIONS IN POLYSIALIC ACID-DEFICIENT MICE  
*T. Kröcher, I. Röckle, B. Weinhold, H. Burkhardt, H. Hildebrandt, Hannover*
- T1-2A** BRAIN REGENERATION POTENTIAL IS DIRECTLY LINKED TO ADULT NEUROGENESIS IN ZEBRAFISH  
*J. Kaslin, V. Kroehne, F. Benato, F. Argenton, M. Brand, Dresden*
- T1-3A** CHARACTERIZATION OF THE ROLE OF FOXG1 IN TGF BETA-DEPENDENT NEURONAL DIFFERENTIATION  
*R. Vezzali, K. Krieglstein, T. Vogel, Göttingen*
- T1-4A** CHROMATIN REMODELING MEDIATED BY BAF170 - PAX6 INTERACTION CONTROLS DIRECT-VERSUS-INDIRECT CORTICAL NEUROGENESIS  
*T. C. Tuoc, M.-E. Pitulescu, A. Stoykova, Göttingen*
- T1-5A** CO-CULTURE OF HUMAN NEURAL PROGENITORS WITH RAT HIPPOCAMPAL BRAIN SLICES: INFLUENCE OF NEURAL ENVIRONMENT ON DIFFERENTIATION  
*P. Morgan, A. Liedmann, A. Rolfs, M. Frech, Rostock*
- T1-6A** CONTRARY RESULTS WITH DIFFERENT COMMERCIALY AVAILABLE CD133 ANTIBODIES IN BRAIN TUMORS: HOW CAN RESULTS BE INTERPRETED?  
*C. Pfister, H. Pfrommer, S. Noell, J. Schittenhelm, A. Bornemann, F. Roser, Tübingen*
- T1-7A** DIFFERENTIATION AND SURVIVAL OF HUMAN NEURAL PROGENITOR CELLS IN SELF-ASSEMBLING PEPTIDE HYDROGEL 3D SCAFFOLDS  
*A. Liedmann, P. Morgan, A. Rolfs, M. J. Frech, Rostock*
- T1-8A** EFFECTS OF NEURONAL NOISE AND POPULATION HETEROGENEITY ON POPULATION CODING IN ELECTROSENSORY SYSTEMS  
*J. Grewe, H. Walz, J. Benda, Martinsried*
- T1-9A** EPHRIN-B3 REVERSE SIGNALING REGULATES THE TANGENTIAL MIGRATION OF CORTICAL INTERNEURONS IN THE BASAL TELENCEPHALON  
*J. Rudolph, A. Steinecke, G. Zimmer, J. Bolz, Jena*
- T1-10A** FGF-2 DEFICIENCY CAUSES DEFECTS IN ADULT HIPPOCAMPAL NEUROGENESIS, WHICH ARE NOT RESCUED BY EXOGENOUS FGF-2  
*S. Werner, K. Unsicker, O. von Bohlen und Halbach, Freiburg*
- T1-11A** FUNCTIONAL CHARACTERIZATION OF SATB1 IN NEOCORTICAL DEVELOPMENT  
*S. Srivatsa, O. Britanova, P. Sgourdou, V. Tarabykin, Göttingen*



- T1-12A** GLIAL CELLS AND THE DEVELOPMENT OF THE CENTRAL COMPLEX IN THE EMBRYONIC GRASSHOPPER *SCHISTOCERCA GREGARIA*  
M. H. Loser, Y. Liu, G. Boyan, Martinsried

## Friday

- T1-1B** GLYCINERGIC SIGNALING DURING POSTNATAL NEUROGENESIS IN THE SVZ  
*J.-C. Platel, S. Stambouliau, F. Zufall, Homburg*
- T1-2B** HOX GENES IN THE PRE-SPECIFICATION OF SYMPATHETIC AND PARASYMPATHETIC CILIARY NEURON PROGENITORS  
*L. Huber, J. Stubbusch, M. Ferdin, H. Rohrer, Frankfurt/Main*
- T1-3B** IMPAIRED NEURONAL DIFFERENTIATION CAUSED BY 2,4 DICHLOROPHENOL IN NTERA2/D1 CELLS CORRELATES TO REDUCED EXPRESSION OF CX43 AND FUNCTIONAL GAP JUNCTION COUPLING  
*B. Reuss, Göttingen*
- T1-4B** IMPAIRMENT OF ADULT HIPPOCAMPAL NEUROGENESIS ALTERS HIPPOCAMPUS-DEPENDENT TASKS BUT NOT LEARNING  
*P. Jedynek, L. Kaczmarek, R. K. Filipkowski, Warszawa, Poland*
- T1-5B** IN VITRO TESTS FOR DEVELOPMENTAL NEUROTOXICITY USING A HUMAN NEURONAL PRECURSOR CELL LINE  
*M. Stern, A. Gierse, S. Tan, G. Bicker, Hannover*
- T1-6B** IN VIVO EVIDENCE FOR PURINERGIC CONTROL OF ADULT NEUROGENESIS  
*H. Zimmermann, K. Gampe, A. Schänzer, K.-H. Plate, S. C. Robson, Frankfurt/Main*
- T1-7B** MIR-128: A PLEIOTROPIC REGULATOR OF NEURONAL TRANSLATION  
*E. Franzoni, H. Fuchs, S. Parthasarathy, V. Tarabykin, F. Wulczyn, Berlin*
- T1-8B** NEUROGENESIS FROM ANDROGENETIC AND BIPARENTAL MOUSE ES CELLS  
*W. Wolber, S. W. Choi, S. Eckardt, J. K. McLaughlin, C. Geis, M. Heckmann, A. Müller, A.-L. Sirén, Würzburg*
- T1-9B** NOVEL REGULATORY MECHANISMS OF SCHWANN CELL MATURATION  
*A. Heinen, N. Tzekova, H.-P. Hartung, P. Küry, Düsseldorf*
- T1-10B** ONTOGENY OF HIPPOCAMPAL NEUROGENESIS AND SPATIAL LEARNING IN CYCLIN D2KO MICE  
*A. Ansorg, O. W. Witte, A. Urbach, Jena*
- T1-11B** OVEREXPRESSION OF THE CHONDROITINSULFO-TRANSFERASES CHST 3, CHST 7 AND UST IN CORTICAL NEURAL STEM CELLS  
*D. Harrach, A. von Holst, Heidelberg*



- T1-12B** A ROLE FOR REELIN AND NOTCH1 COOPERATION DURING HIPPOCAMPAL DEVELOPMENT AND IN THE ADULT  
*M. Sibbe, O. Basak, U. Häussler, C. Haas, V. Taylor, M. Frotscher, Freiburg*

## Saturday

- T1-1C** POSITIVE CORRELATION BETWEEN CLIC1 FUNCTIONAL EXPRESSION AND HUMAN GLIOMA AGGRESSIVENESS  
*N. Savalli, M. Setti, M. Angelini, D. Osti, G. Pelicci, M. Mazzanti, Milan, Italy*
- T1-2C** PURINERGIC RECEPTOR-MEDIATED  $CA^{2+}$  SIGNALING IN THE OLFACTORY BULB AND THE NEUROGENIC AREA OF THE LATERAL VENTRICLES  
*T. Hassenklöver, P. Schulz, A. Peters, P. Schwartz, D. Schild, I. Manzini, Göttingen*
- T1-3C** REGULATION OF ASTROCYTE MATURATION BY THE EXTRACELLULAR MATRIX MOLECULE TENASCIN C  
*M. Karus, S. Wiese, A. Faissner, Bochum*
- T1-4C** REGULATION OF NEUROTROPHIN SECRETION IN HIPPOCAMPAL NEURONS BY CAPS1  
*R. Eckenstaler, T. Munsch, V. Lessmann, T. Brigadski, Magdeburg*
- T1-5C** REGULATORS OF MIRNA BIOGENESIS CONTROL NEURAL DIFFERENTIATION  
*A. M. Rohde, D. Nguyen, E. Cuevas, H. Fuchs, A. Rybak, F. G. Wulczyn, Berlin*
- T1-6C** SEROTONIN TRANSPORTER KNOCK-OUT AND CHRONIC MILD STRESS: IMPACT ON ADULT NEUROGENESIS IN THE HIPPOCAMPUS  
*M. M. Lee, S. Popp, E. Gerten, A. Post, M. Winnig, K. P. Lesch, A. G. Schmitt, Würzburg*
- T1-7C** THE ROLE OF CORTICAL FEEDBACK SIGNALS IN REGULATING PROGENITOR CELL-FATE SWITCH DURING NEOCORTICOGENESIS  
*S. Parthasarathy, A. Nityanandam, V. Tarabykin, Göttingen*
- T1-8C** THE ROLE OF ORPHAN NUCLEAR RECEPTOR NURR1 (NR4A2) IN LAYER SPECIFICATION OF THE CEREBRAL CORTEX  
*D. Lanshakov, V. Tarabykin, Göttingen*
- T1-9C** THE STAR FAMILY PROTEINS SAM68, SLM-1 AND SLM-2 DIFFERENTIALLY REGULATE PROLIFERATION AND DIFFERENTIATION OF CORTICAL NEURAL STEM/PROGENITOR CELLS  
*A. von Holst, B. Bertam, Heidelberg*
- T1-10C** THE TRANSCRIPTION FACTORS AP-2BETA AND AP-2ALPHA ARE REQUIRED FOR SURVIVAL OF SYMPATHETIC PROGENITORS AND DIFFERENTIATED SYMPATHETIC NEURONS  
*M. Schmidt, L. Huber, A. Majdazari, G. Schütz, T. Williams, H. Rohrer, Frankfurt/Main*



- T1-11C** THE ZINC-FINGER HOMEODOMAIN FACTOR TEASHIRT1 (TSHZ1) CONTROLS THE LAYERING AND DIFFERENTIATION OF OLFACTORY BULB GRANULE CELLS  
*A. N. Garratt, E. Rocca, C. Birchmeier, Berlin*
- T1-12C** UNRAVELLING EFFECTS OF TGF BETA MEDIATED TARGET GENES ON FOREBRAIN NEURONAL PROGENITOR CELLS OF DIFFERENT DEVELOPMENTAL STAGES  
*S. D. Wahane, K. Krieglstein, T. Vogel, Freiburg*
- T1-13C** MECHANISM OF THE REVERSAL OF NEUROBEHAVIORAL TERATOGENICITY IN MICE WITH NEURAL STEM CELLS  
*J. Yanai, A. Pinkas, Jerusalem, Israel*

## T2: Axon and dendrite development, synaptogenesis

### Thursday

- T2-1A** A MECHANISM FOR AROMATASE-DEPENDENT HOMEOSTASIS OF HIPPOCAMPAL SYNAPSES  
*L. Fester, L. Zhou, N. Brandt, E. Disteldorf, C. Ossig, J. Labitzke, W. Wilkars, R. Bender, H. Jarry, G. M. Rune, Hamburg*
- T2-2A** ACTIVITY DEPENDENCE OF FINE-SCALE SYNAPTIC ORGANIZATION IN CA3 HIPPOCAMPAL DENDRITES DURING DEVELOPMENT  
*J. Winnubst, T. Kleindienst, C. Lohmann, Amsterdam, The Netherlands*
- T2-3A** ACTIVITY-DEPENDENT MATURATION OF THE A17-RBC RECIPROCAL SYNAPSE IN THE MOUSE RETINA  
*T. Schubert, E. Parker, T. Euler, R. O. Wong, Tübingen*
- T2-4A** ALTERNATIVE TRANSCRIPTS OF THE SONGBIRD BDNF GENE  
*M. Hertel, F. Dittrich, C. Frankl, I. Ruczynska, A. Lohrentz, A. Bakker, B. Timmermann, H. Kuhl, M. Gahr, Seewiesen*
- T2-5A** ANALYSIS OF REELIN EFFECTS ON EARLY NEURONAL PROCESS DIFFERENTIATION AND POLARITY  
*M. Meseke, B. Baader, E. Förster, Hamburg*
- T2-6A** ANALYZING THE L4 NETWORK IN THE LAMINA OF DROSOPHILA  
*B. Ahrens, K. Lüthy, S. Rawal, I. Meinertzhagen, K.-F. Fischbach, Freiburg*
- T2-7A** BMP-RECEPTOR SIGNALLING ENABLES THE FORMATION OF LARGE EXCITATORY SYNAPSES IN THE AUDITORY CIRCUIT  
*L. Xiao, N. Michalski, R. Schneggenburger, Lausanne, Switzerland*

- T2-8A** COFILIN AND ITS PHOSPHORYLATION AT SER3 ARE ESSENTIAL FOR THE POLARIZATION AND MIGRATION OF CORTICAL NEURONS  
*X. Chai, L. Fan, H. Shao, S. Zhao, H. G. Mannherz, M. Frotscher, Freiburg*
- T2-9A** LOCAL DISTRIBUTION OF SEROTONIN-IMMUNOREACTIVE FIBRES IN MUSHROOM BODY COMPARTMENTS OF MATURE CRICKET BRAINS  
*A. M. Mashaly, F.-W. Schürmann, Riyadh, Saudi Arabia*

## Friday

- T2-1B** DEVELOPMENTALLY REGULATED PROTEIN SYNTHESIS IN DENDRITES  
*E. R. Antileo Ibarra, P. Landgraf, T. Kähne, K. Richter, K.-H. Smalla, D. C. Dieterich, Magdeburg*
- T2-2B** ESTROGEN-INDUCED GENE EXPRESSION PATTERNS OF JUVENILE BIRD SONG CONTROL NUCLEI ANALYZED WITH A ZEBRA FINCH SPECIFIC MICROARRAY  
*B. Wasmer, C. Frankl, A. Bakker, F. Dittrich, M. Gahr, Seewiesen*
- T2-3B** EXPERIENCE-DEPENDENT CHANGES IN CORTICAL NETWORK TOPOLOGY  
*M. Butz, H. Mansvelter, A. van Ooyen, Amsterdam, The Netherlands*
- T2-4B** INFLUENCE OF RETINOIC ACID, INSULIN AND 20-HYDROXYECDYSONE ON NEURITE OUTGROWTH AND GROWTH CONE TURNING IN LOCUST EMBRYONIC NEURONS  
*J. Sivalingam, J. Mey, K. Göbbels, P. Bräunig, Aachen*
- T2-5B** INTEGRATION OF PERIPHERAL AND CENTRAL INPUTS IN THE DEVELOPING VISUAL CORTEX  
*F. Siegel, C. Lohmann, Amsterdam, The Netherlands*
- T2-6B** INVESTIGATING THE ROLE OF ADENOSINE RECEPTORS IN GROWTH CONE PHYSIOLOGY  
*H. Harz, J.-C. Eilert, M. Hartmann, S. Bürge, Martinsried*
- T2-7B** LONG-RANGE AXOGENESIS OF NEOCORTICAL PYRAMIDAL NEURONS REQUIRES TRANSCRIPTIONAL SPECIFICATION BY NEX AND NDRF  
*I. Bormuth, T. Yonemasu, K. Yan, M. Gummert, M. Zhang, S. Wichert, A. Pieper, W. Zhang, S. Goebbels, V. Tarabykin, K.-A. Nave, M. H. Schwab, Berlin*
- T2-8B** LOSS OF POLYSIALIC ACID CAUSES THALAMOCORTICAL PATHFINDING DEFECTS AND DEGENERATION OF THE RETICULAR THALAMIC NUCLEUS  
*I. Röckle, M. Schiff, B. Weinhold, H. Hildebrandt, Hannover*
- T2-9B** MOST CEREBELLAR OLIGODENDROGLIA HAVE AN EXTRACEREBELLAR ORIGIN  
*N. Mecklenburg, C. Sotelo, S. Martínez, San Juan de Alicante, Spain*



## Saturday

- T2-1C** NEUROLIGIN-1/PSD-95 INTERACTIONS INDUCE CELL MORPHOLOGY CHANGES VIA LIPID DOMAIN NUCLEATION  
*M. Kaiser, N. Mende, S. Pautot, Dresden*
- T2-2C** NEUROMORPHOGENESIS DEPENDING ON THE ACTIN NUCLEATOR COBL REQUIRES COMPLEX FORMATION WITH THE F-BAR PROTEIN SYNDAPIN I  
*L. Schwintzer, R. Ahuja, J. Grimm, N. Koch, M. M. Kessels, B. Qualmann, Jena*
- T2-3C** NEURONAL GROWTH CONES AND NEURITE EXTENSION REQUIRE M6-GLYCOPROTEINS  
*P. de Monasterio-Schrader, U. Fünfschilling, M. Mitkovski, A. Z. Burzynska, M. Klugmann, L. Dimou, S. Papiol, K.-A. Nave, H. B. Werner, Göttingen*
- T2-4C** NEURONAL MORPHOLOGY IS CONTROLLED BY THE INTERPLAY OF COBL AND ABP1  
*N. Haag, L. Schwintzer, R. Ahuja, J. Grimm, B. Qualmann, M. M. Kessels, Jena*
- T2-5C** NITRIC OXIDE AFFECTS INJURY-INDUCED NEURITOGENESIS AND SYNAPTOGENESIS OF BOTH NITRIGIC AND NON-NITRIGIC NEURONS  
*R. M. Cooke, V. A. Straub, Leicester, United Kingdom*
- T2-6C** NO SLOWDOWN BY CO: DUAL REGULATION OF NEURONAL MIGRATION BY GASEOUS MESSENGERS  
*S. Knipp, G. Bicker, Hannover*
- T2-7C** SPINAL CORD – MOTOR CORTEX COCULTURE MODEL: A NEW TECHNIQUE TO STUDY NEURONAL REGENERATION IN VITRO  
*M. Pohland, J. Kiwit, J. Glumm, Berlin*
- T2-8C** THE ROLE OF 5-HT7/G12 SIGNALING PATHWAY IN DEVELOPMENTAL REGULATION OF MORPHO- AND SYNAPTOGENESIS IN HIPPOCAMPAL NEURONS  
*F. Kobe, D. Guseva, M. Mueller, D. W. Richter, E. G. Ponimaskin, Göttingen*
- T2-9C** L1CAM UBIQUITINATION FACILITATES ITS LYSOSOMAL DEGRADATION  
*M. K. Schaefer, B. Schmitz, S. Diestel, Freiburg*
- T2-10C** DEVELOPMENTAL EXPRESSION OF CELL SURFACE MOLECULES IN THE LOCUST  
*R. Eickhoff, M. Stern, G. Bicker, Hannover*

## T3: Developmental cell death, regeneration and transplantation

### Thursday

- T3-1A** 6-OHDA-INJECTION INTO THE NIGROSTRIATAL PATHWAY OF MICE LEADS TO A PHENOTYPIC SHIFT OF STRIATAL NEURONS INTO TYROSINE HYDROXYLASE IMMUNOREACTIVE NEURONS  
*S. J.-P. Haas, M. Duckert, A. Hilla, O. Schmitt, A. Wree, Rostock*
- T3-2A** BHLH TRANSCRIPTION FACTORS OF THE NEUROD FAMILY ARE ESSENTIAL FOR DIFFERENTIATION AND SURVIVAL OF CORTICAL PYRAMIDAL NEURONS  
*K. Yan, I. Bormuth, T. Yonemasu, S. Goebbels, V. Tarabykin, K.-A. Nave, M. H. Schwab, Göttingen*
- T3-3A** CELL LOSS AND AUTOPHAGY IN THE EXTRA-ADRENAL CHROMAFFIN ORGAN OF ZUCKERKANDL ARE REGULATED BY GLUCOCORTICOID SIGNALING  
*A. Schober, R. Parlato, K. Huber, R. Kinscherf, G. Schütz, K. Unsicker, Freiburg*
- T3-4A** GROWTH DIFFERENTIATION FACTOR-15 (GDF-15) IN PERIPHERAL NERVE INJURY  
*P. Charalambous, W. Xiaolong Wang, A. Schober, J. Strelau, F. Bosse, H. W. Müller, K. Unsicker, Freiburg*

### Friday

- T3-1B** HUMAN UNRESTRICTED SOMATIC STEM CELLS (USSC) IN SPINAL CORD INJURY: CHARACTERIZATION OF DIRECTED MIGRATION, PARACRINE NEUROTROPHIC SUPPORT, AXON REGENERATION AND FUNCTIONAL IMPROVEMENT  
*J. Schira, M. Gasis, V. Estrada, M. Hendricks, C. Schmitz, N. Hamacher, T. Trapp, F. Kruse, G. Kögler, P. Wernet, H. W. Müller, Düsseldorf*
- T3-2B** IMPLANTABLE MECHANICAL MICROSYSTEM ENHANCES AXON REGENERATION AFTER COMPLETE SPINAL CORD INJURY IN THE RAT  
*V. Estrada, N. Brazda, C. Voss, C. Schmitz, K. Seide, N. Weinrich, J. Müller, H. W. Müller, Düsseldorf*
- T3-3B** IDENTIFICATION AND CHARACTERIZATION OF REGENERATION-ASSOCIATED GENES (RAGS) BY PARADIGM-SPECIFIC GENE EXPRESSION PROFILING OF INJURED PNS  
*K. Malik, M. Gasis, M. Boras, H. W. Müller, F. Bosse, Düsseldorf*
- T3-4B** IMPROVED INTRATHECAL INFUSION METHOD DESIGNED FOR RODENT MODELS OF SPINAL CORD INJURY  
*B. König, N. Brazda, H. W. Müller, Düsseldorf*



- T3-5B** AN IN VITRO MODEL FOR SCAR FORMATION TO STUDY THE MECHANISMS OF SCAR-REDUCING TREATMENTS USED IN SPINAL CORD INJURY  
*C. F. Vogelaar, S. Krafft, B. Ziegler, H. W. Müller, Düsseldorf*

## Saturday

- T3-1C** ROLE OF THE TRANSCRIPTION FACTOR UNCX4.1 IN MIDBRAIN NEUROGENESIS  
*T. I. Rabe, F. Varoquaux, G. Griesel, A. Kispert, P. H. Burbach, A. Mansouri, Göttingen*
- T3-2C** TAXOL FACILITATES AXON REGENERATION IN THE MATURE CNS  
*M. Leibinger, V. Sengottuvel, A. Andreadaki, D. Fischer, Ulm*
- T3-3C** TRANSLATIONAL RESEARCH IN AXON REGENERATION: LOCOMOTOR RECOVERY AFTER SYSTEMIC ADMINISTRATION OF DEOXYRIBOZYME TO XT-1 MRNA AFTER A MODERATE CONTUSION OF THE ADULT RAT SPINAL CORD  
*M. Oudega, O. Chao, R. Bronson, D. Avison, A. Marcillo, A. Hurtado, W. Buchser, B. Grimpe, Pittsburgh, USA*
- T3-4C** GDF-15 DEFICIENCY LEADS TO SCHWANN CELL AND MOTONEURON LOSS IN ADULT MICE  
*S. Walter, K. Unsicker, J. Strelau, Heidelberg*
- T3-5C** COLLOIDS AS MOBILE SUBSTRATES FOR THE IMPLANTATION AND INTEGRATION OF DIFFERENTIATED NEURONS INTO THE MAMMALIAN BRAIN  
*S. Pautot, D. Jgamadze, D. Stone, J. Berger, D. Schaffer, E. Isacoff, Dresden*

## T4: Neurotransmitters, retrograde messengers and cytokines

### Thursday

- T4-1A** ARGINASE AND ARGININE DECARBOXYLASE – WHERE DO THE GATE KEEPERS OF POLYAMINE SYNTHESIS RESIDE IN RAT BRAIN?  
*D. Peters, J. Berger, C. Derst, R. W. Veh, G. Laube, Berlin*
- T4-2A** CELLULAR PROPERTIES OF NEUROPEPTIDE S-EXPRESSING NEURONS  
*K. Jüngling, J. Lesting, R. Reinscheid, H.-C. Pape, Münster*

- T4-3A** CHARACTERIZATION OF GLUTAMATERGIC VESICLE ACIDIFICATION AND REFILLING DYNAMICS IN HIPPOCAMPAL NEURONS  
*M. Martineau, J. Klingauf, Münster*
- T4-4A** GABA DEPOLARIZES IMMATURE NEOCORTICAL NEURONS IN THE PRESENCE OF THE KETONE BODY BETA-HYDROXY-BUTYRATE  
*K. Kirmse, O. W. Witte, K. Holthoff, Jena*
- T4-5A** HOW DEAD ARE „DEAD-END“ VESICLES: CAN THE EXOCYTOSIS OF UNRELEASABLE VESICLE BE INDUCED?  
*S. Magin, M. Pasche, U. Matti, D. Hof, J. Rettig, U. Becherer, Homburg*
- T4-6A** IMMUNOSTAINING REVEALS AT LEAST SIX SUBPOPULATIONS OF OLFACTORY LOCAL INTERNEURONS CONTRIBUTING TO THE *APIS MELLIFERA* ANTENNAL LOBE NETWORK  
*J. Bierfeld, N. Charlina, M. G. Pszolla, G. Galizia, S. Kreissl, Konstanz*

## Friday

- T4-1B** IN VITRO EFFECTS OF SUBSTANCE P ON SUBPOPULATIONS OF CENTRAL AMYGDALA NEURONS FROM GAD67-GFP MICE  
*H. Romo-Parra, C. Strippel, L. Sosulina, H.-C. Pape, Münster*
- T4-2B** INTERRELATIONS BETWEEN MONOAMINERGIC AFFERENTS AND NPY-IMMUNOREACTIVE INTERNEURONS IN THE RAT LATEROBASAL AMYGDALA: LIGHT- AND ELECTRON MICROSCOPIC FINDINGS  
*M. R. Bonn, H. Schwert, E. Van Bockstaele, E. Asan, Würzburg*
- T4-3B** MONITORING SPATIAL AND TEMPORAL DYNAMICS OF SECOND MESSENGER MOLECULES USING MODIFIED GENETICALLY ENCODED SENSOR PROTEINS  
*A. C. Meisenberg, A. Baumann, Jülich*
- T4-4B** MONOAMINERGIC INCLUDING CHOLINERGIC NEURONS EXPRESS THE TASK-3 POTASSIUM CHANNEL THROUGHOUT THE ROSTROCAUDAL AXIS OF THE RAT BRAIN  
*C. Marinc, C. Derst, R. W. Veh, Berlin*
- T4-5B** NITRIC OXIDE MODULATES PLASMA MEMBRANE PROPERTIES: A NOVEL MECHANISM FOR MORPHOLOGICAL DIFFERENTIATION?  
*S. Hippe, Y. Adiguzel, C. Grote-Westrick, R. Heumann, Bochum*
- T4-6B** PATTERNS OF EXPRESSION OF BOTH NO-GUANYLYL CYCLASE ISOFORMS IN THE MOUSE HIPPOCAMPUS  
*A. Neitz, E. Mergia, E. Petrasch-Parwez, D. Koesling, T. Mittmann, Mainz*



## Saturday

- T4-1C** PRESYNAPTIC MODULATION OF ADENOSINE RELEASE IN THE CEREBELLUM  
*B. Klyuch, N. Dale, M. Wall, Coventry, United Kingdom*
- T4-2C** PROEPILEPTIC EFFECT OF METHYLXANTHINES IN A WHOLE-HIPPOCAMPUS PREPARATION OF IMMATURE RATS  
*S. Sharopov, C. Kantor, J. Kuribayashi, K. Ballanyi, H. Luhmann, W. Kilb, Mainz*
- T4-3C** QUANTITATIVE ANALYSIS OF NEUROPEPTIDES IN THE BRAIN OF *AEDES AEGYPTI*  
*A. Reifenrath, K. P. Siju, C. Wegener, S. Neupert, J. Kahnt, B. S. Hansson, F. Hauser, R. Predel, R. Ignell, J. Schachtner, Marburg*
- T4-4C** ROLE OF CENTRAL SEROTONIN IN SLEEP REGULATION AND CIRCADIAN RHYTHMICITY  
*V. Mosienko, Berlin*
- T4-5C** VESTIBULAR CEREBRO-CORTICAL PROCESSING AND THALAMO-CORTICAL NEUROTRANSMISSION IN RATS BASED ON MICRO-PET DATA  
*N. Schabbach, E. Lange, U. Stier, S. Reuss, Mainz*
- T4-6C** DIFFERENT POSITIVE ALLOSTERIC MODULATORS SPECIFIC FOR  $HMGLU_2$  SHARE AN IDENTICAL BINDING SITE  
*H. K. Delille, R. Rajaratnam, W. Braje, H. Geneste, L. Unger, M. Mezler, Ludwigshafen*
- T4-7C** CHARACTERIZATION OF THE ROLE OF CXCL12/CXCR4 SIGNALLING IN THE DEVELOPMENT AND SURVIVAL OF MIDBRAIN DOPAMINERGIC NEURONS  
*A. Tolosa, K. Kriegelstein, Freiburg*

## T5: G Protein-linked and other receptors

### Thursday

- T5-1A** DIFFERENTIAL EXPRESSION OF  $GABA_B$  RECEPTORS AND THEIR EFFECTOR  $KIR3$  CHANNELS IN CHOLECYSTOKININ- AND PARVALBUMIN-CONTAINING INTERNEURONS  
*D. Althof, A. Gross, S. A. Booker, M. Frotscher, I. Vida, A. Kulik, Freiburg*
- T5-2A** EXAMINATIONS ON THE PATHOPHYSIOLOGICAL ROLE OF THE CHOLINERGIC SYSTEM IN THE  $DT^{SZ}$  MUTANT HAMSTER  
*J. Kuschka, S. Smiljanic, M. Hamann, A. Richter, Berlin*



## Friday

- T5-1B** MODULATORY ROLE OF GABA AND GABA<sub>B</sub> RECEPTORS IN COCKROACH SALIVATION  
*S. Blankenburg, W. Blenau, Potsdam*
- T5-2B** RELEASE OF NEUROPEPTIDE S AND MECHANISMS OF RECEPTOR ACTIVATION  
*F. Erdmann, K. Jüngling, H.-C. Pape, Münster*

## Saturday

- T5-1C** SEROTONIN RECEPTOR 1A-MODULATED GLYCINE RECEPTOR ALPHA 3 PHOSPHORYLATION CONTROLS BREATHING IN MICE  
*T. Manzke, M. Niebert, U. R. Koch, S. Vogelgesang, S. Hülsmann, E. G. Ponimaskin, U. Müller, T. G. Smart, R. J. Harvey, D. W. Richter, Göttingen*
- T5-2C** THE PHYSIOLOGICAL ROLE OF DOPAMINE RECEPTORS IN THE FRUIT FLY *DROSOPHILA MELANOGASTER*  
*T. Roeder, F. Stephano, S. El-Kholy, Kiel*
- T5-3C** INVESTIGATING MOLECULAR AND PHYSIOLOGICAL FUNCTIONS OF GPRC5 RECEPTORS  
*T. Pelz, S. Kurtenbach, B. Toetter, S. Oberland, E. M. Neuhaus, Berlin*

## T6: Ligand-gated, voltage-dependent ion channels and transporters

### Thursday

- T6-1A** A SWITCHABLE RATIO-METRIC SENSOR FOR REACTIVE OXYGEN SPECIES BASED ON VOLTAGE-GATED SODIUM CHANNELS  
*E. Nematian, E. Leipold, B. Borowski, S. Neugebauer, T. Hoshi, S. H. Heinemann, Jena*
- T6-2A** ADAPTATION AND INFORMATION TRANSMISSION IN A CONVERGENT SENSORY NETWORK  
*U. Ziehm, J. Benda, Berlin*
- T6-3A** ANALYSIS OF NATIVE PHOSPHORYLATION SITES OF THE K<sup>+</sup>-CL<sup>-</sup>-COTRANSPORTER KCC2  
*M. Weber, A. Ripperger, K. Harms, J. Ye, O. N. Jensen, H. G. Nothwang, J. Schindler, Oldenburg*
- T6-4A** ANALYSIS OF THE P2X3 AGONIST BINDING SITE BY ALANINE SUBSTITUTIONS  
*T. Riedel, M. Bodnar, N. Messemer, S. Wiese, P. Illes, Leipzig*
- T6-5A** ARE THERE FUNCTIONAL P2X RECEPTORS IN ADULT ADHERENT NEURAL PROGENITOR CELLS (NPCS)?  
*N. Messemer, C. Kunert, H. Franke, P. Illes, P. Rubini, Leipzig*



- T6-6A** ASTROGLIAL CELLS OF RODENT BRAIN SLICES EXPRESS IN SITU FUNCTIONAL PURINERGIC P2X7 RECEPTORS  
*A. Leichsenring, T. Riedel, H. Franke, C. Heine, P. Illes, J. F. Oliveira, Leipzig*
- T6-7A** BROMINATED PYRROLEIMIDAZOLES AND SESQUITERPENES FROM MARINE SPONGES AS TOOLS OR CELL PHYSIOLOGY: ION CHANNEL BLOCKADE, ATPASE INHIBITION, PH MEASUREMENTS AND VESICLE TRACKING  
*U. Bickmeyer, Bremerhaven*
- T6-8A** CHANNEL NOISE IN MODELS OF SINGLE NEURONS  
*D. Zarubin, E. Zhuchkova, S. Schreiber, Berlin*
- T6-9A** CHARACTERIZATION OF BLOCKERS AND MODULATORS OF INSECT ODORANT RECEPTORS  
*K. Röllecke, M. Werner, H. Hatt, G. Gisselmann, Bochum*
- T6-10A** CHARACTERIZATION OF THE INTERACTION BETWEEN TRPM8 ION CHANNELS AND G PROTEINS  
*S. Zielke, C. H. Wetzel, Bochum*
- T6-11A** CHARACTERIZING THE MODULATORY EFFECT OF ODORANTS AT GABA(A) RECEPTORS  
*O. Kletke, O. A. Sergeeva, A. Poppek, S. Manteniots, H. Hatt, G. Gisselmann, Bochum*
- T6-12A** CHLORIDE CHANNELS ACTIVITY MODULATE PHAGOCYTOSIS IN MURINE MICROGLIA  
*B. Harl, J. Schmölder, M. Jakob, M. Ritter, H. H. Kerschbaum, Salzburg, Austria*
- T6-13A**  $\mu$ -CONOTOXIN SIIIA DISCRIMINATES BETWEEN NAV CHANNEL SUBTYPES BY INTERACTING WITH THEIR PORE LOOPS IN DOMAIN-2  
*E. Leipold, R. Markgraf, M. Kijas, A. Miloslavina, D. Imhof, S. H. Heinemann, Jena*

## Friday

- T6-1B** CLC-2 CONSTITUTES THE CHLORIDE LEAK CONDUCTANCE IN NEURONS  
*I. Rinke, V. Stein, Martinsried*
- T6-2B** DIFFERENTIAL ASSOCIATION OF KCC2 AND THE  $\text{Na}^+\text{-K}^+$ -ATPASE ALPHA-SUBUNIT DURING DEVELOPMENT  
*K. Harms, J. Ye, O. N. Jensen, H. G. Nothwang, J. Schindler, Oldenburg*
- T6-3B** DIFFERENTIAL REGULATION OF NBCE1-A AND NBCE1-B IN MOUSE HIPPOCAMPAL NEURONS *IN VITRO*  
*O. Oehlke, E. Roussa, Freiburg*
- T6-4B** DOWNSTREAM SIGNALLING OF TRPM8  
*D. Hollatz, K. Klasen, C. H. Wetzel, Bochum*
- T6-5B** DYSFUNCTION OF THE VOLTAGE-GATED SODIUM CHANNEL  $\text{Na}_v1.1$  IS ASSOCIATED WITH DIMINISHED INHIBITION IN VARIOUS BRAIN REGIONS  
*U. B. Hedrich, M. Martin, C. Liautard, M. Mantegazza, A. Escayg, H. Lerche, Tübingen*

- T6-6B** EAG1 MODULATES SYNAPTIC TRANSMISSION AND FIRING RATE OF NEURONS IN THE CEREBELLAR CORTEX  
*L. S. Mortensen, R. Ufartes, T. Sakaba, W. Stühmer, L. A. Pardo, Göttingen*
- T6-7B** EXAMINATION OF THE SPONTANEOUS ACTIVITY OF CIRCADIAN PACEMAKER NEURONS OF THE ACCESSORY MEDULLA OF THE COCKROACH *LEUCOPHAEA MADERAE* WITH CALCIUM-IMAGING  
*H. Wei, M. Stengl, Kassel*
- T6-8B** EXTRACELLULAR TAGGING OF THE VOLTAGE-DEPENDENT N-TYPE CALCIUM CHANNEL  
*R. Schneider, J. Kohl, U. Thomas, M. Heine, Magdeburg*
- T6-9B** FUNCTIONAL CHARACTERIZATION OF PANNEKUMIN 1 INTERACTION DOMAINS  
*N. Prochnow, W. Reuter, S. Wengel, C. Gründken, R. Dermietzel, G. Zoidl, Bochum*
- T6-10B** IMPAIRED DEVELOPMENT OF AUDITORY BRAINSTEM NUCLEI AFTER LOSS OF  $Ca_v1.3$  CALCIUM CHANNELS: EMPHASIS ON THE LATERAL SUPERIOR OLIVE  
*D. Griesemer, J. Hirtz, M. Boesen, N. Braun, F. Kramer, B. Müller, H. G. Nothwang, J. Striessnig, S. Löhrike, E. Friauf, Kaiserslautern*
- T6-11B** INPUT-RESISTANCE DEPENDENT SWITCH IN SPIKING PRECISION OF NEOCORTICAL PYRAMIDAL CELLS  
*C. Boucsein, J. Ammer, A. Aertsen, J. Benda, Freiburg*
- T6-12B** IONIC CURRENT MODULATIONS OF HONEYBEE MUSHROOM BODY AND ANTENNAL LOBE NEURONS  
*S. Ziegler-Himmelreich, B. Grünewald, Frankfurt/Main*

## Saturday

- T6-1C** KNOCKDOWN OF THE 18 KDA TRANSLOCATOR PROTEIN (TSPO) IN GLIAL CELL LINES INHIBITS CELL DEATH INDUCED BY GLUTAMATE, ABETA(1-42) AND NITRIC OXIDE (NO) IMPLICATIONS FOR NEURODEGENERATION  
*L. Veenman, J. Bode, L. Fridkin, S. Zeno, L. Shargorodsky, M. Gaitner, E. Levin, A. Weizman, S. Kletz, M. Lakomek, M. Gavish, Bat Galim, Israel*
- T6-2C** MODULATION OF RECOMBINANT P/Q-TYPE CALCIUM CURRENTS BY A BETA GLOBULOMER - AN AUTOMATED ANALYSIS USING THE PATCHLINER  
*D. Hermann, A. Haythornthwaite, M. Mezler, G. Gross, H. Schoemaker, U. Ebert, H. Hillen, S. Barghorn, K. Wicke, N. Fertig, A. Draguhn, V. Nimrich, Ludwigshafen*
- T6-3C**  $Na_v1.9$  REGULATES AXON GROWTH IN CULTURED EMBRYONIC MOTONEURONS  
*R. Blum, N. Subramanian, B. Dombert, S. Havlicek, A. Wetzel, S. Jablonka, M. Sendtner, Würzburg*



- T6-4C** PROTEIN EXPRESSION OF THE CHLORIDE TRANSPORTERS NKCC1, KCC2 AND KCC4 IN THE AUDITORY BRAINSTEM OF CHICKEN DURING EMBRYONIC DEVELOPMENT  
*T. Ackels, H. Wagner, M. J. Wirth, Aachen*
- T6-5C** QUANTIFICATION OF MRNA EXPRESSION OF CHLORIDE TRANSPORTERS IN AUDITORY BRAINSTEM OF DEVELOPING CHICKEN  
*M. J. Wirth, A. Kriebel, J. Mey, H. Wagner, Aachen*
- T6-6C** REGIONAL DIFFERENCES IN REGULATION OF GLUTAMERGIC SIGNALING DURING CUPRIZONE INDUCED DEMYELINATION  
*A. Azami Tameh, T. Clarner, C. Beyer, M. Kipp, Kashan, Iran*
- T6-7C** REGULATION OF HCN1 SUBCELLULAR TRAFFICKING MAY INVOLVE N-TERMINAL INTERACTION WITH SORTING NEXINS  
*W. Wilkars, E. Mohr, R. Bender, Hamburg*
- T6-8C** ROLE OF AXONAL  $Na_v1.6$   $Na^+$  CHANNELS IN ACTION POTENTIAL GENERATION IN LAYER 5 NEOCORTICAL NEURONS  
*I. A. Fleidervish, E. Katz, A. Scheller, M. Meisler, S. Göbbels, M. J. Gutnick, F. Kirchhoff, F. Wolf, Beer-Sheva, Israel*
- T6-9C** SOMATIC SODIUM CHANNELS ACCOUNT FOR SECOND PHASE OF ACTION POTENTIAL UPSTROKE IN SOMA OF LAYER 5 PYRAMIDAL CELLS  
*A. Neef, F. Wolf, M. J. Gutnick, I. A. Fleidervish, Göttingen*
- T6-10C** THE LIFE TIME OF THE DESENSITIZED STATE OF GLUTAMATE RECEPTORS  
*A. L. Carbone, A. J. Plested, Berlin*
- T6-11C** THE ROLE OF KCNQ CHANNELS IN THE THALAMUS  
*M. Cerina, P. Coulon, H.-C. Pape, T. Budde, Münster*
- T6-12C** BETA4-SUBUNIT DEPENDENT  $Ca^{2+}$  GATING OF LARGE-CONDUCTANCE VOLTAGE- AND  $Ca^{2+}$ -DEPENDENT  $K^+$  (BKCA) CHANNELS  
*H. Berkefeld, B. Fakler, Freiburg*

## T7: Synaptic transmission, pre- and postsynaptic organization

### Thursday

- T7-1A** ROLE OF THE SPINE APPARATUS IN SYNAPTIC TRANSMISSION – TWO-PHOTON  $Ca^{2+}$  IMAGING COMBINED WITH GLUTAMATE UNCAGING AT INDIVIDUAL SYNAPSES IN ORGANOTYPIC SLICE CULTURES  
*A. Tippmann, A. Drakew, M. Frotscher, Freiburg*

- T7-2A** A ROLE OF STIM1 FOR SLOW GLUTAMATERGIC SYNAPTIC TRANSMISSION IN CEREBELLAR PURKINJE CELLS  
*J. Hartmann, R. M. Karl, H. A. Henning, A. Ansel, K. Sakimura, Y. Baba, T. Kurosaki, A. Konnerth, München*
- T7-3A** A SPECIAL FORM OF  $Ca^{2+}$ -REGULATED EXOCYTOSIS: SPONTANEOUS ACROSOMAL SECRETION IS PREVENTED BY A CAMKII $\alpha$ -MUPP1 COMPLEX IN MAMMALIAN SPERMATOZOA  
*N. Zitronski, F. Ackermann, L. Vieweg, H. Borth, T. Gudermann, I. Boekhoff, München*
- T7-4A** AKAP79/150 AND CALDENRIN – A NEW RELATIONSHIP IN THE SYNAPSE  
*X. Gorny, M. Mikhaylova, B. Schott, M. Kreutz, C. Seidenbecher, Magdeburg*
- T7-5A** AN EXTRACELLULAR STIMULATION PROTOCOL TO DETECT BARREL VS. SEPTAL REGIONS IN ACUTE SLICE PREPARATIONS OF THE RAT BARREL CORTEX  
*R. Bakker, M. Selten, M. Negwer, D. Schubert, Nijmegen, The Netherlands*
- T7-6A** ARCHITECTURE OF THE EXTRACELLULAR MATRIX AT THE NANOSCALE  
*G. W. Franken, O. Kobler, R. Frischknecht, C. Seidenbecher, Magdeburg*
- T7-7A** ASPARTATE DECARBOXYLASE BLACK: EXPRESSION AND CO-LOCALIZATION WITH EBONY IN DROSOPHILA BRAIN  
*B. Hovemann, A. Ziegler, Bochum*
- T7-8A** CAN BETA-ALANYL HISTAMINE SYNTHASE EBONY KEEP UP CO-OPERATIVELY WITH FAST NEUROTRANSMITTER TRANSPORT INTO GLIA IN THE DROSOPHILA EYE?  
*S. Hartwig, B. T. Hovemann, Bochum*
- T7-9A** COMPARATIVE FUNCTIONAL CHARACTERIZATION OF PUTATIVE SYNAPTOTAGMIN-BINDING INTERFACES IN SNAP-25  
*R. Mohrmann, H. de Wit, E. Connell, B. Davletov, M. Verhage, J. B. Sørensen, Homburg*
- T7-10A** DIFFERENTIAL DENDRITIC AND SOMATIC INPUT MAPPING IN LAYER V PYRAMIDAL NEURONS  
*M. Zohar, P. Schnepel, A. Aertsen, C. Boucsein, Freiburg*
- T7-11A** DIRECT ACTIVATION OF GLUTAMATE RECEPTORS BY LOCAL PHOTOLYSIS OF CAGED GLUTAMATE IN PRESUBICULAR PYRAMIDAL CELLS AND INTERNEURONS  
*D. Fricker, J. Simonnet, M. Bendels, E. Eugene, I. Cohen, R. Miles, Paris, France*
- T7-12A** EFFECTS OF NEUROFASCIN ON THE SCAFFOLDING PROTEIN GEPHYRIN AT INHIBITORY SYNAPSES  
*J. Metzger, M. Kriebel, S. Trinks, H. Volkmer, Reutlingen*
- T7-13A** EFFECTS OF SYNCAM MEDIATED SYNAPSE FORMATION  
*A. J. Krupp, E. M. Robbins, K. Perez de Arce, A. K. Ghosh, A. I. Fogel, A. Boucard, T. C. Südhof, T. Biederer, V. Stein, Martinsried*



- T7-14A** ELECTRODIFFUSION IN MOSSY FIBER - CEREBELLAR GRANULE CELL SYNAPSES  
*S. Sylantyev, L. Savtchenko, D. Rusakov, London, United Kingdom*
- T7-15A** ESSENTIAL COOPERATION OF N-CADHERIN AND NEUROLIGIN 1 AT GLUTAMATERGIC SYNAPSES  
*B. van Stegen, A. Stan, K. Gottmann, Düsseldorf*
- T7-16A** EXAMINING THE MOLECULAR BASIS OF LIGHT ADAPTATION AT THE PHOTORECEPTOR RIBBON SYNAPSE  
*M. Fuchs, J. H. Brandstätter, Erlangen*
- T7-17A** FUNCTIONAL CHARACTERIZATION OF THE DENDRITIC SPINES OF SPINY INTERNEURONS  
*V. Scheuss, B. Tobias, Martinsried*

## Friday

- T7-1B** HETEROLOGOUS EXPRESSION OF SYNAPTIC VESICLE MEMBRANE PROTEIN SV31 GENERATES A PUTATIVE NOVEL COMPARTMENT IN PC12 CELLS  
*J. Barth, W. Volkandt, Frankfurt/Main*
- T7-2B** HIGH FIDELITY TRANSMISSION AT INHIBITORY AUDITORY SYNAPSES AND THE ROLE OF THE GLYCINE UPTAKE TRANSPORTER GLYT2  
*F. Kramer, D. Griesemer, E. Friauf, Kaiserslautern*
- T7-3B** HOW DOES PROTEOGLYCAN DEFICIENCY AFFECT THE PROTEIN COMPOSITION OF ECM AND SYNAPSES IN THE MOUSE BRAIN?  
*N. John, K.-H. Smalla, E. D. Gundelfinger, C. I. Seidenbecher, Magdeburg*
- T7-4B** IMPACT OF PANNEXIN1 ACTIVITY ON SINGLE CELL POSTSYNAPTIC RESPONSE PROPERTIES IN THE CA1 REGION OF THE MOUSE  
*J. Hanske, A. Abdulazim, N. Prochnow, G. Zoidl, Bochum*
- T7-5B** IMPAIRED TRANSMISSION AT CORTICOTHALAMIC EXCITATORY INPUTS AND INTRATHALAMIC GABAERGIC SYNAPSES IN THE THALAMUS OF HETEROZYGOUS BDNF KNOCKOUT MICE  
*T. Laudes, T. Munsch, V. Leßmann, Magdeburg*
- T7-6B** INACTIVATION OF ADF AND N-COFLIN ENHANCES NEURONAL EXCITABILITY  
*A. Görlich, A.-M. Zimmermann, M. Wolf, M. Sassoé-Pognetto, E. Friauf, W. Witke, M. Rust, Kaiserslautern*
- T7-7B** INFORMATION CODING VIA ACTION POTENTIALS AND GRADED SIGNALS IN THE FLY'S VISUAL SYSTEM  
*D. Rien, R. Kurtz, Bielefeld*
- T7-8B** LOCALIZATION OF GFP-TAGGED SYNAPTIC PROTEINS BY PHOTOOXIDATION ELECTRON MICROSCOPY  
*T. Dresbach, S. Angermüller, J. Kirsch, N. Wittenmayer, Göttingen*

- T7-9B** LOCALIZATION OF THE ORPHAN CARRIER SLC10A4 IN THE PERIPHERAL NERVOUS SYSTEM AND ITS CO-EXPRESSION WITH VMAT2 AND VACHT  
*S. Burger, M. Moncada, S. Schmidt, R. Gerstberger, J. Geyer, Gießen*
- T7-10B** MINIATURISATION EFFECTS ON THE SENSORY AND CNS STRUCTURES OF THE WASP *ENCARSIA FORMOSA*  
*R. Hustert, Göttingen*
- T7-11B** MOLECULAR MECHANISMS OF BDNF-TRKB SIGNALLING IN DENDRITIC SPINE PLASTICITY AT HIPPOCAMPAL NEURONS  
*Y. Kellner, M. Zagrebelsky, M. Korte, Braunschweig*
- T7-12B** MONITORING LIPID RECYCLING IN SYNAPSES OF THE CENTRAL NERVOUS SYSTEM  
*M. Kahms, C. S. Thiel, J. Klingauf, Münster*
- T7-13B** N-CADHERIN MIS-MATCH EXPRESSION RESULTS IN IMPAIRED SYNAPTIC FUNCTION, SYNAPSE ELIMINATION, AND AXON RETRACTION  
*K. Gottmann, K. Jüngling, K. Pielarski, Düsseldorf*
- T7-14B** OVEREXPRESSION OF SYNAPTOPODIN RESCUES THE FORMATION OF SPINE APPARATUSES IN HIPPOCAMPAL NEURONS  
*M. Küffner, Y.-C. Nam-Apostolopoulos, M. K. Schäfer, M. Frotscher, Freiburg*
- T7-15B** PRESYNAPTIC  $Ca^{2+}$  INFLUX AND VESICLE EXOCYTOSIS AT THE ENDBULB OF HELD SYNAPSE  
*H. Taschenberger, K.-H. Lin, Göttingen*
- T7-16B** PRESYNAPTIC NMDA RECEPTORS MEDIATE AN INCREASED GLUTAMATE RELEASE IN THE VICINITY OF A FOCAL LASER LESION IN RAT VISUAL CORTEX  
*B. Imbrosci, L. Yan, U. Neubacher, U. T. Eysel, T. Mittmann, Mainz*

## Saturday

- T7-1C** PROPERTIES OF SYNAPTIC TRANSMISSION AT A TRIGEMINOHALAMIC GIANT SYNAPSE  
*F. Urra, T. Kuner, Heidelberg*
- T7-2C** REMODELING OF THE  $Ca^{2+}$ -SENSING MACHINERY FOR TRANSMITTER RELEASE DURING EARLY DEVELOPMENT AND MATURATION OF THE CALYX OF HELD  
*O. Kochubey, R. Schneggenburger, Lausanne, Switzerland*
- T7-3C** ROLE OF NEUROFASCIN IN INHIBITORY SYNAPSE ORGANIZATION AT THE AXON INITIAL SEGMENT  
*S. Trinks, M. Kriebel, J. Metzger, H. Volkmer, Reutlingen*
- T7-4C** ROLES OF THE PROTEIN POST SYNAPTIC DENSITY-95 IN BASAL SYNAPTIC TRANSMISSION  
*S. A. Bonnet, O. M. Schlüter, Göttingen*



- T7-5C** SEROTONERGIC MODULATION OF ORIENS-LACUNOSUM MOLECULARE INTERNEURONS IN CA1  
*C. Böhm, J. Winterer, D. Schmitz, Berlin*
- T7-6C** STABILITY OF ACTIVE ZONE COMPONENTS AT THE PHOTORECEPTOR RIBBON COMPLEX  
*H. Regus-Leidig, D. Specht, S. tom Dieck, J. H. Brandstätter, Erlangen*
- T7-7C** STONIN2-DEPENDENT ENDOCYTIC SORTING OF SYNAPTOTAGMIN 1 PROVIDES EVIDENCE FOR LOSS OF SYNAPTIC VESICLE IDENTITY DURING EXO-ENDOCYTOSIS  
*N. L. Kononenko, T. Maritzen, S. J. Koo, M. K. Diril, N. Jung, V. Haucke, Berlin*
- T7-8C** SYNAPSINS CONTROL SHORT-TERM SYNAPTIC PLASTICITY IN THE MOUSE CALYX OF HELD  
*M. Vasileva, D. Gitler, T. Kuner, Heidelberg*
- T7-9C** SYNAPTIC TARGETING AND SECRETION OF BDNF-GFP AND NT-4-GFP FROM CA1 PYRAMIDAL NEURONS IN MOUSE HIPPOCAMPAL SLICES  
*P. Lichtenecker, T. Brigadski, V. Lessmann, Magdeburg*
- T7-10C** SYNAPTIC TRANSMISSION AND POSTSYNAPTIC INTEGRATION OF LARGE SYNAPSES IN THE VENTRAL NUCLEUS OF THE LATERAL LEMNISCUS OF MONGOLIAN GERBILS  
*F. Felmy, E. M. Meyer, B. Grothe, München*
- T7-11C** THE MULTI-PDZ DOMAIN PROTEIN (MUPP) 1: A NEURONAL SCAFFOLD INVOLVED IN SPERM ACROSOMAL EXOCYTOSIS  
*H. Borth, F. Ackermann, N. Zitanski, L. Vieweg, T. Gudermann, I. Boekhoff, München*
- T7-12C** THE NUMBER OF RELEASE-READY VESICLES INCREASES RAPIDLY DURING HOMEOSTATIC PLASTICITY  
*A. Weyhersmüller, N. Wagner, J. Eilers, S. Hallermann, Leipzig*
- T7-13C** THE ROLE OF LAP PROTEIN FAMILY MEMBERS AT THE MAMMALIAN NEUROMUSCULAR JUNCTION  
*S. Hashemolhosseini, L. Simeone, M. Straubinger, M. A. Khan, T. Cheusova, V. Redai, Erlangen*
- T7-14C** THE ROLE OF PSD-95 AND KINASE INTERACTIONS IN SYNAPTIC FUNCTION  
*D. Akad, O. M. Schlüter, Göttingen*
- T7-15C** VERTEBRATE-SPECIFIC PRESYNAPTIC PROTEIN MOVER CONTROLS RELEASE PROBABILITY AT THE CALYX OF HELD  
*C. Körber, D. Schwenger, T. Kremer, T. Dresbach, T. Kuner, Heidelberg*
- T7-16C** VGLUT3-IMMUNOREACTIVE AFFERENTS OF THE LATERAL SEPTUM: ANATOMICAL EVIDENCE FOR A MODULATORY ROLE OF GLUTAMATE  
*F. Stöber, E. Budinger, R. Miettinen, K. Richter, A. Riedel, Magdeburg*



**T8: Synaptic plasticity, LTP, LTD****Thursday**

- T8-1A** ACTION OF BRAIN-DERIVED NEUROTROPHIC FACTORS AT HIPPOCAMPAL MOSSY FIBER-CA3 SYNAPSES  
*S. Maass, P. Petsophonsakul, V. Lessmann, E. Edelmann, Magdeburg*
- T8-2A** ACTIVITY DEPENDENT SCALING OF GABAERGIC EXCITATION BY DYNAMIC CL<sup>-</sup> CHANGES IN CAJAL-RETZIUS CELLS  
*S. Kolbaev, W. Kilb, H. J. Luhmann, Mainz*
- T8-3A** ACTIVITY-DEPENDENT REGULATION OF GABAERGIC BOUTON PLASTICITY  
*A. Schuemann, T. Bonhoeffer, C. J. Wierenga, Martinsried*
- T8-4A** ALPHA-1 ADRENERGIC RECEPTORS HABILITATE A STIMULUS-SPECIFIC DECREASE IN PRIMARY VISUAL PROCESSING OF ADULT MICE  
*M. Trevino Villegas, S. Frey, G. Köhr, Heidelberg*
- T8-5A** ANALYSIS OF DENDRITIC SPINE PLASTICITY WITH 2-PHOTON GLUTAMATE UNCAGING AND 2-PHOTON IMAGING  
*D. Meyer, T. Bonhoeffer, V. Scheuss, München*
- T8-6A** AROMATASE ACTIVITY IS ESSENTIAL FOR THE INDUCTION OF LTP IN HIPPOCAMPAL SLICES  
*R. Vierk, G. Glassmeier, L. Zhou, G. Rune, Hamburg*
- T8-7A** ASTROCYTES CONTROL SPIKE-TIMING DEPENDENT LONG-TERM DEPRESSION AT CORTICAL SYNAPSES  
*T. Nevian, R. Min, Bern, Switzerland*
- T8-8A** BDNF-KNOCKDOWN IN INDIVIDUAL CA1 PYRAMIDAL NEURONS DOES NOT AFFECT BASAL SYNAPTIC PROPERTIES  
*J. Daniel, T. Brigadski, V. Lessmann, Magdeburg*
- T8-9A** CHEMICAL-INDUCED LTP ELICITS DIFFERENT EFFECTS ON THE MORPHOLOGY OF HIPPOCAMPAL CULTURED NEURONS  
*A. Montalbano, G. Baj, G. Tatò, E. Tongiorgi, M. Sciancalepore, Trieste, Italy*
- T8-10A** COMPARTMENT-SPECIFIC DOPAMINERGIC MODULATION OF SYNAPTIC PLASTICITY IN HIPPOCAMPAL CA1 VIA NMDA RECEPTORS CONTAINING NR2B  
*M. Herwerth, V. Jensen, M. Novak, W. Konopka, O. Hvalby, G. Köhr, Heidelberg*
- T8-11A** CPEB2 REPRESSES THE CONSTITUTIVE TRANSLATION OF CPEB TARGET MRNAS  
*S. L. Turimella, V. Vangoor, L. Kaczmarczyk, P. Bedner, S. Paßlick, G. Seifert, R. Jabs, C. Steinhäuser, M. Theis, Bonn*
- T8-12A** DISTRIBUTION OF EPENDYMINS AND THEIR BINDING PARTNERS IN SUBCELLULAR FRACTIONS OF GOLDFISH BRAIN  
*R. Göthe, R. Schmidt, Gießen*



## Friday

- T8-1B** EARLY STRESS EXPERIENCES PREVENT EMOTIONAL REINFORCEMENT OF HIPPOCAMPAL LONG-TERM POTENTIATION IN ADULT MALE RATS: ACTIVE EXTINCTION OF TRAUMATIC MEMORIES AS A DISEASE PROTECTIVE MECHANISM?  
*H. Wang, K. Meyer, V. Korz, Magdeburg*
- T8-2B** EXCESSIVE 5-HT LEVELS DURING DEVELOPMENT AFFECT SIGNAL PROPAGATION AND SHORT TERM PLASTICITY IN THE RAT BARREL CORTEX IN VITRO  
*D. Schubert, M. Selten, M. Negwer, T. Slippens, J. Homberg, R. Bakker, Nijmegen, The Netherlands*
- T8-3B** FUCOSYLATED PROTEINS IN THE BRAIN – WHERE, WHAT AND WHY?  
*N. Höche, K. Richter, O. Kobler, W. Tischmeyer, K.-H. Smalla, D. C. Dieterich, Magdeburg*
- T8-4B** INTERACTION PARTNERS OF NEURONAL CALCIUM SENSOR-1 IN MOUSE BRAIN  
*M. C. Stockebrand, J. Hermainski, O. Pongs, Hamburg*
- T8-5B** LEARNING-FACILITATED SYNAPTIC PLASTICITY AT CA3 MOSSY FIBER AND COMMISSURAL-ASSOCIATIONAL SYNAPSES REVEAL DIFFERENT ROLES IN INFORMATION PROCESSING  
*H. Hagena, D. Manahan-Vaughan, Bochum*
- T8-6B** LONG-TERM PLASTICITY IN BDNF KNOCKOUT MICE AT DISTINCT PROJECTIONS TO THE LATERAL AMYGDALA IN RELATION TO AGE  
*S. Meis, T. Endres, T. Munsch, V. Lessmann, Magdeburg*
- T8-7B** LOSS OF PROFILIN1 IMPAIRS SYNAPTIC PLASTICITY OF HIPPOCAMPAL CA1 PYRAMIDAL CELLS  
*A.-M. Zimmermann, A. Görlich, D. Schober, R. T. Böttcher, M. Al Banachaabouchi, M. Sassoè-Pognetto, E. Friauf, W. Witke, M. B. Rust, Kaiserslautern*
- T8-8B** METAPLASTICITY GOVERNS COMPARTMENTALIZATION OF SYNAPTIC TAGGING/CAPTURE THROUGH BDNF AND PKM ZETA  
*S. Sajikumar, M. Korte, Braunschweig*
- T8-9B** METAPLASTICITY OF EARLY-LTP BY RYANODINE RECEPTOR ACTIVATION AND ITS EFFECT ON SYNAPTIC TAGGING AND CAPTURE  
*Q. Li, Z. C. Xiao, W. C. Abraham, M. Korte, S. Sajikumar, Braunschweig*
- T8-10B** MICE DEFICIENT IN THE CL<sup>-</sup>/HCO<sub>3</sub><sup>-</sup> EXCHANGER AE3 DISPLAY INCREASED HIGH-FREQUENCY OSCILLATIONS AND LONG-TERM POTENTIATION, AND A SHIFT IN GABA REVERSAL-POTENTIAL  
*G. Kochlamazashvili, L. Cancedda, C. A. Hübner, A. Dityatev, Genova, Italy*

- T8-11B** MICROHETEROGENEITY, POLYSIALYLATION AND EXPRESSION OF THE NERVOUS SYSTEM DERIVED PROTEIN EPENDYMIN  
*D. Penninella, R. Schmidt, Gießen*

## Saturday

- T8-1C** MODULATION OF LTP BY CHOLINERGIC/GLUTAMATERGIC RECEPTORS IS ESSENTIAL TO INDUCE BDNF-DEPENDENT LONG-LASTING MEMORY  
*S. Navakkode, M. Korte, Braunschweig*
- T8-2C** MODULATION OF SYNAPTIC PLASTICITY BY INTRACELLULAR PH IN PURKINJE NEURONS OF THE MOUSE CEREBELLAR CORTEX  
*A. Neumeyer, J. W. Deitmer, Kaiserslautern*
- T8-3C** NOGO-A RESTRICTS SYNAPTIC STRENGTHENING IN THE ADULT MOUSE HIPPOCAMPUS  
*A. Delekate, M. Zagrebelsky, M. E. Schwab, M. Korte, Braunschweig*
- T8-4C** PANNEXIN1 MODULATES THE EXCITATORY POST-SYNAPTIC POTENTIAL RESPONSE OF HIPPOCAMPAL CA1 NEURONS IN THE MOUSE  
*A. Abdulazim, J. Hanske, N. Prochnow, G. Zoidl, Bochum*
- T8-5C** PLASTICITY-RELATED GENE 5 INDUCES SPINE FORMATION IN IMMATURE PRIMARY NEURONS  
*P. Coiro, A. U. Bräuer, Berlin*
- T8-6C** ROLE OF CB1 EXPRESSION IN HIPPOCAMPAL EXCITATORY VERSUS INHIBITORY NEURONS IN REGULATING ACTIVITY-DEPENDENT SYNAPTIC PLASTICITY  
*M. Polack, L. Steinke, B. Lutz, M. Korte, Braunschweig*
- T8-7C** SEROTONIN - MORE THAN A NEUROTRANSMITTER: TRANSGLUTAMINASE-MEDIATED SEROTONYLATION OF GLIAL CELLS AND STEM-CELL-DERIVED NEURONS  
*P. Schloss, R. Hummerich, S. Kremer, T. Lau, Mannheim*
- T8-8C** SHORT-TERM SYNAPTIC PLASTICITY OF EXCITATORY INPUTS TO GABAERGIC INTERNEURONS OF THE MOUSE CINGULATE CORTEX  
*B. Sutor, F. Werthat, München*
- T8-9C** SPIKE TIMING-DEPENDENT PLASTICITY IN HIPPOCAMPAL CA1 REGION IS DEPENDENT ON BRAIN-DERIVED NEUROTROPHIC FACTOR  
*E. Edelmann, V. Lessmann, Magdeburg*
- T8-10C** SPINE STABILITY IS A STRUCTURAL TARGET OF DENERVATION-INDUCED HOMEOSTATIC SYNAPTIC SCALING  
*A. Vlachos, D. Becker, C. Bas Orth, M. Helias, P. Jedlicka, M. Neuwirth, R. Winkels, M. Diesmann, J. Roeper, G. Schneider, T. Deller, Frankfurt/Main*
- T8-11C** SYNAPTIC PLASTICITY IN THE LATERAL AMYGDALA IN GAD65-DEFICIENT MICE  
*M. D. Lange, K. Juengling, H.-C. Pape, Münster*



- T8-12C** THE ROLE OF MAMMALIAN EPENDYMIN RELATED PROTEIN (MERP) IN A SPATIAL LEARNING TASK  
*D. Hinchliffe, R. Schmidt, Gießen*

## T9: Glia, glia-neuron interactions

### Thursday

- T9-1A** A NON-ENZYMATIC TRANSPORT METABOLON ENHANCES LACTATE FLUX IN ASTROCYTES  
*H. M. Becker, M. H. Stridh, M. D. Alt, G. Wennemuth, J. W. Deitmer, Kaiserslautern*
- T9-2A** CONTROL OF PERIPHERAL MYELINATION BY PROTEOLYTIC PROCESSING AND LIMITED AXONAL TRANSPORT OF NEUREGULIN-1 TYPE III  
*V. Velanac, T. Unterbarnscheidt, M. N. Gummert, T. M. Fischer, C. Taveggia, M. Willem, M. H. Schwab, K.-A. Nave, Göttingen*
- T9-3A** COOL CALCIUM SIGNALS – OR: IS CALCIUM-INDUCED CALCIUM RELEASE TEMPERATURE-SENSITIVE?  
*M. Stavermann, B. Nilius, J. W. Deitmer, C. Lohr, Kaiserslautern*
- T9-4A** DIFFERENTIATED DENTATE GRANULE CELLS START TO MIGRATE UNDER EPILEPTIC CONDITIONS  
*G. Münzner, S. Tinnes, M. Bechstein, U. Häussler, M. Follo, C. A. Haas, Freiburg*
- T9-5A** ELUCIDATING THE FUNCTION OF CPEB PROTEINS IN MICROGLIA  
*L. Kaczmarczyk, S. Turimella, V. Vangoor, P. Dublin, G. Seifert, H. Neumann, C. Steinhäuser, M. Theis, Bonn*
- T9-6A** EXTRASYNAPTIC VESICULAR NEUROTRANSMITTER RELEASE FROM OLFACTORY RECEPTOR AXONS MEDIATES NEUROVASCULAR COUPLING VIA GLIAL CALCIUM SIGNALLING  
*C. Lohr, A. Thyssen, D. Hirnet, H. Wolburg, G. Schmalzing, J. W. Deitmer, Hamburg*
- T9-7A** FUNCTIONAL AND MOLECULAR ANALYSIS OF GABA<sub>A</sub> RECEPTORS IN HIPPOCAMPAL NG2 CELLS  
*G. Seifert, M. Grauer, C. Schäfer, S. Paßlick, R. Jabs, C. Steinhäuser, Bonn*
- T9-8A** FUNCTIONS OF CILIARY NEUROTROPHIC FACTOR (CNTF) IN OLFACTORY ENSHEATHING CELLS (OEC): STUDIES IN NEURON/OEC COCULTURE SYSTEMS  
*H. Bömmel, E. Asan, Würzburg*
- T9-9A** OVEREXPRESSION OF THE FUCOSYLTRANSFERASES 4 AND 9 LEADS TO ACTIVATION OF STAT 1 AND STAT 2 IN PRIMARY ASTROCYTES  
*B. Schwarz-Herzke, J. K. Mai, Düsseldorf*

## Friday

- T9-1B** GLIO-VASCULAR INTERACTIONS IN THE CONTROL OF THE BLOOD-BRAIN BARRIER  
S. Noell, A. F. Mack, K. Wolburg-Buchholz, H. Wolburg, P. Fallier-Becker, Tübingen
- T9-2B** GLUCOSE TRANSPORT AND METABOLISM IN ACUTE BRAIN SLICES: A MULTIPHOTON STUDY  
P. Jakoby, E. Schmidt, L. F. Barros, J. W. Deitmer, Kaiserslautern
- T9-3B** HUMAN TRAUMATIC BRAIN INJURY INDUCED ASTROGLIOSIS – INVOLVEMENT OF P2Y1 RECEPTORS?  
K. Bremicker, M. Weber, J. Dreßler, H. Franke, Leipzig
- T9-4B** IDENTIFICATION OF GLIAL FUNCTIONS MODULATING 4 MOTOR COORDINATION IN *DROSOPHILA*  
S. Thomas, I. Schmidt, C. Klämbt, Münster
- T9-5B** IMPACT OF THE NG2 PROTEOGLYCAN ON NEURON-NG2 CELL SYNAPTIC SIGNALING  
S. Passlick, K. Karram, J. Trotter, G. Seifert, C. Steinhäuser, R. Jabs, Bonn
- T9-6B** INFLAMMATION IN ASTROCYTES INDUCES ABNORMAL  $CA^{2+}$  SIGNALING CAUSED BY INCREASED EXPRESSION OF VIA  $CA^{2+}$ -INDEPENDENT PHOSPHOLIPASE  $A_2$  (VIA  $IPLA_2$ )  
G. Reiser, M. Strokin, Magdeburg
- T9-7B** MODULATION OF  $K^+$  BUFFERING BY AQUAPORIN4 CHANNELS  
S. Strohschein, K. Hüttmann, S. Gabriel, D. K. Binder, U. Heinmann, C. Steinhäuser, Bonn
- T9-8B** MORPHOLOGICAL AND FUNCTIONAL ANALYSIS OF ASTROCYTES IN THE THALAMUS  
S. Griemsmann, S. Höft, G. Seifert, E. von Staden, P. Bedner, R. Jabs, M. Theis, D. Cope, V. Crunelli, C. Steinhäuser, Bonn
- T9-9B** NEURONAL CONTROL OF CNS MYELINATION IN CONDITIONAL *PTEN* MUTANT MICE  
G. Wieser, A. Pieper, B. Weege, K.-A. Nave, S. Goebbels, Göttingen

## Saturday

- T9-1C** NITRIC OXIDE INDUCES HIF-1 $\alpha$  PROTEIN STABILISATION IN PRIMARY ASTROCYTES VIA PI3K/AKT/MTOR AND MAPK PATHWAYS  
B. Brix, F. Marcillac, L. Pellerin, O. Jöhren, Lübeck
- T9-2C** PH REGULATION OF IDENTIFIED NEURONS AND GLIAL CELLS IN ACUTE MOUSE CEREBELLAR SLICES  
M. D. Alt, J. W. Deitmer, Kaiserslautern



- T9-3C** PHARMACOLOGICAL PROPERTIES OF TWO PORE DOMAIN K<sup>+</sup> CHANNEL-MEDIATED CURRENTS IN HIPPOCAMPAL ASTROCYTES  
*J. Weller, G. Seifert, C. Steinhäuser, Bonn*
- T9-4C** PROFILIN1 ACTIVITY IN CEREBELLAR GRANULE NEURONS IS CRUCIALLY IMPORTANT FOR GLIA CELL BINDING AND RADIAL MIGRATION  
*J. Kullmann, A. Neumeyer, R. Fässler, J. W. Deitmer, E. Friauf, W. Witke, M. B. Rust, Kaiserslautern*
- T9-5C** REAL TIME CHANGES OF MORPHOLOGY AND INTRACELLULAR DIFFUSIVITY OF HIPPOCAMPAL ASTROCYTES  
*C. Henneberger, K. Zheng, D. A. Rusakov, London, United Kingdom*
- T9-6C** SECRETION OF ALDOLASE-C IS ACCOMPANIED OF MORPHOLOGICAL CHANGES IN ASTROCYTES FOLLOWING REPETITIVE FLUOXETINE TREATMENT  
*R. Herrera-Molina, M. Sandoval, A. Luarte, K.-H. Smalla, E. D. Gundelfinger, U. Wyneken, Magdeburg*
- T9-7C** STUDY ON THE ASTROGLIAL EXPRESSION OF GLUTAMATE RECEPTORS IN THE VENTRAL RESPIRATORY GROUP  
*C. Schnell, M. Negm, J. Fresemann, S. Hülsmann, Göttingen*
- T9-8C** THERAPEUTIC POTENTIAL OF NON-NEURONAL CELLS IN AMYOTROPHIC LATERAL SCLEROSIS (ALS)  
*H. Sun, N. Thau, R. Dengler, S. Petri, Hannover*
- T9-9C** TRANSLATIONAL REGULATION OF ASTROCYTIC CONNEXINS AND GLUTAMINE SYNTHETASE BY CPEB3  
*V. R. Vangoor, S. L. Turimella, L. Kaczmarczyk, J. Zhang, P. Bedner, E. von Staden, A. Derouiche, R. Jabs, G. Seifert, C. Steinhäuser, M. Theis, Bonn*

## T10: Aging and developmental disorders

### Thursday

- T10-1A** CADHERIN EXPRESSION PROFILES IN THE ALLOCORTEX/ PERIALLOCORTEX OF WILD-TYPE AND REELER MUTANT MICE  
*G. Stoya, N. Hertel, C. Redies, Jena*
- T10-2A** CLASSICAL MICROGLIAL ACTIVATION IN A DNA REPAIR DEFECTIVE ACCELERATED MODEL OF AGING  
*D. Raj, N. Brouwer, M. Olah, M. C. de Waard, I. van de Pluijm, M. Meijer, K. Biber, E. Boddeke, Groningen, The Netherlands*
- T10-3A** KAINATE TREATMENT IMPAIRS THE PROTEOLYTIC PROCESSING OF REELIN NECESSARY FOR GRANULE CELL POSITIONING  
*S. Tinnes, C. A. Haas, Freiburg*

- T10-4A** LITHIUM INTERFERES WITH HIPPOCAMPAL DEVELOPMENT BUT DOES NOT INVOLVE GSK3BETA  
*J. Jarowyj, B. Brunne, E. Förster, M. Frotscher, Freiburg*

### Friday

- T10-1B** MORPHOLOGICAL AND MOLECULAR CHARACTERIZATION OF FOCAL CORTICAL DYSPLASIAS  
*C. Donkels, S. Fauser, J. Zentner, C. A. Haas, Freiburg*
- T10-2B** PAIN AND THE DEVELOPING BRAIN: IS EARLY PROCEDURAL PAIN ASSOCIATED WITH NEONATAL BRAIN ABNORMALITIES IN VERY PRETERM INFANTS?  
*S. Brummelte, R. E. Grunau, K. J. Poskitt, V. Chau, S. P. Miller, Vancouver, Canada*
- T10-3B** PERFORMANCE MONITORING IN THE LIFESPAN: INCREASED POST-ERROR ADJUSTMENT AND CHANGED ERROR MONITORING IN ELDERLY SUBJECTS  
*N. Strien, D. Wiswede, M. Heldmann, T. F. Münte, Bonn*

### Saturday

- T10-1C** SCREEN FOR AGEING GENES IN *DROSOPHILA*  
*J. G. Schulz, L. van Huffel, A. Laranjeira, C. G. Dotti, Leuven, Belgium*
- T10-2C** SEROTONIN RECEPTOR 5B GENE (HTR5B): A NEW TARGET GENE OF MECP2?  
*S. Vogelgesang, T. Manzke, M. Niebert, G. Flügge, D. W. Richter, Göttingen*
- T10-3C** THE ROLE OF DISC1 DURING INTERNEURON MIGRATION  
*A. Steinecke, C. Gampe, J. Bolz, Jena*
- T10-4C** UNCOVERING MOLECULAR MECHANISMS OF EARLY-ONSET AGE-RELATED MEMORY DEFICITS IN CB1 RECEPTOR KNOCKOUT (CNR1<sup>-/-</sup>) MICE  
*A. Piyanova, Ö. Albayram, K. Michel, R. Buchalla, A. Zimmer, A. Bilkei-Gorzo, Bonn*

## T11: Alzheimer's, Parkinson's and other neurodegenerative diseases

### Thursday

- T11-1A** A NOVEL IN VITRO MODEL OF ALPHA-SYNUCLEIN AGGREGATION AND TOXICITY  
*M. Schnieder, C. Dohm, A. Baumann, J. Liman, M. Bähr, F. Wouters, P. Kermer, Göttingen*



- T11-2A** A POTENTIAL ROLE OF ESTROGEN IN SCHIZOPHRENIA VIA REGULATION OF ERBB3 EXPRESSION  
*N. Brandt, U. Wehrenberg, L. Fester, G. M. Rune, Hamburg*
- T11-3A** ACTIVITY AND EXPRESSION OF CALPAIN IN P23H-1 AND S334TER-3 MUTANT RHODOPSIN TRANSGENIC RATS  
*B. Arango-Gonzalez, S. Mencl, F. Paquet-Durand, J. Kaur, Tübingen*
- T11-4A** ALTERED MOTOR BEHAVIOR IN A MOUSE MODEL OF BATTEN DISEASE IS INDEPENDENT FROM GABAERGIC SPINAL INHIBITION  
*B. Gruenewald, C. Geis, A. Weishaupt, T. Wultsch, A. Post, A. Reif, K. V. Toyka, M. Heckmann, C. Sommer, Würzburg*
- T11-5A** ALZHEIMER'S DISEASE-LIKE MODIFIED TAU PROTEIN AFFECTS EXPRESSION AND PHOSPHORYLATION OF HEAT SHOCK PROTEIN 90  
*D. Prieß, C. Galonska, R. Brandt, Osnabrück*
- T11-6A** AN OPTIMIZED METHOD FOR QUANTIFYING DENDRITIC SPINES IN A MURINE MODEL OF ALZHEIMER'S DISEASE  
*L. Reimers, C. Perez-Cruz, M. Maasland, U. Ebert, C. Klein, Ludwigshafen*
- T11-7A** ANALYSIS OF BINDING MOTIFS BETWEEN THE GOLGI-LOCALIZED, GAMMA EAR-CONTAINING, ARF-BINDING (GGA) PROTEIN FAMILY AND BACE1 AND THE AMYLOID PRECURSOR PROTEIN (APP)  
*B. von Einem, A. Hellrung, D. Schwanzar, C. Steinmetz, C. Proepper, T. M. Boeckers, D. Strat, A. Rueck, C. A. von Arnim, Ulm*
- T11-8A** ANTICONVULSANT EFFICACY OF SYSTEMIC VERSUS FOCAL APPLICATION OF VIGABATRIN - INVESTIGATIONS IN AN ACUTE SEIZURE MODEL  
*S. Broeer, B. Backofen-Wehrhahn, M. Bankstahl, W. Loescher, M. Gernert, Hannover*
- T11-9A** AUTOPHAGY MODULATION ALTERS ALPHA-SYNUCLEIN AGGREGATION AND TOXICITY  
*A.-M. Poehler, P. J. McLean, E. Rockenstein, B. T. Hyman, E. Masliah, J. Winkler, J. Klucken, Erlangen*
- T11-10A** AXONS OF SUPRASPINAL ORIGIN CONTROL MOTOR NEURON REGENERATION IN THE LESIONED SPINAL CORD OF ADULT ZEBRAFISH  
*V. Kuscha, A. Scott, T. B. Dias, C. G. Becker, T. Becker, Edinburgh, United Kingdom*
- T11-11A** COMPARATIVE ANALYSIS OF THE TOXIC EFFECTS OF BRANCHED-CHAIN FATTY AND VERY LONG CHAIN FATTY ACIDS ON CELLULAR PARAMETERS OF ALDP-DEFICIENT ASTROCYTES  
*N. Kruska, S. Rönicke, A. Pujol, G. Reiser, Magdeburg*



- T11-12A** CURRENT-CLAMP EXPERIMENTS ON PRIMARY HIPPOCAMPAL NEURONS SHED LIGHT ON POTENTIALLY CONVERSE ROLES OF L-TYPE CALCIUM CHANNELS IN THE PATHOGENESIS OF NEUROLOGICAL DISEASES  
*H. Kubista, P. Geier, M. Lagler, S. Boehm, Vienna, Austria*
- T11-13A** DEEP BRAIN STIMULATION OF THE PEDUNCULOPONTINE NUCLEUS REVERSES HYPERACTIVITY OF THE SUB-THALAMIC NUCLEUS IN THE RAT 6-HYDROXYDOPAMINE PARKINSON MODEL  
*K. Schwabe, J. K. Krauss, M. Alam, Hannover*
- T11-14A** DIFFERENTIAL GROWTH FACTOR EXPRESSION IN ASTROCYTES FROM MOUSE MODELS FOR PARKINSON'S DISEASE  
*P. Malkemper, H. Lübbert, Bochum*
- T11-15A** DISTRIBUTION OF MICROGLIA IN THE AGING MURINE NIGROSTRIATAL SYSTEM  
*A. Sharaf, K. Kriegelstein, B. Spittau, Freiburg*
- T11-16A** DOES INHIBITION OF IL-1 BETA PREVENT OR MODIFY EPILEPTOGENESIS IN TWO DIFFERENT RAT MODELS OF CHRONIC EPILEPSY?  
*N. Polascheck, M. Bankstahl, T. Ravizza, A. Vezzani, W. Löscher, Hannover*
- T11-17A** DOWNREGULATION OF PMCA2 INCREASES THE VULNERABILITY OF DOPAMINERGIC NEURONS TO MITOCHONDRIAL COMPLEX I INHIBITION  
*A. Brendel, C. Behl, P. Hajjeva, Mainz*
- T11-18A** EFFECTS OF DISEASE-RELEVANT ALPHA-SYNUCLEIN- AND LRRK2- MUTANTS ON NEURITIC DYNAMICS IN PRIMARY MIDBRAIN DOPAMINERGIC NEURONS  
*J. C. Koch, F. Bitow, J. Haack, E. Barski, S. Kügler, M. Bähr, P. Lingor, Göttingen*
- T11-19A** FGF-2 MODULATES PROLIFERATION AND NATURAL CELL DEATH IN THE DEVELOPING VENTRAL MESENCEPHALON IN MICE  
*O. Baron, A. Ratzka, C. Grothe, Hannover*
- T11-20A** FIRST STEPS TO AN EARLY DIAGNOSIS OF ALZHEIMER'S DISEASE VIA THE ENTERIC NERVOUS SYSTEMS  
*S. Semar, M. Letiembre, A. Liu, M. Klotz, K. Fassbender, K.-H. Schäfer, Zweibrücken*
- T11-21A** FORMIC ACID AND SODIUM DODECYL SULFATE (SDS)-SENSITIVE HIGH-MOLECULAR A $\beta$ -OLIGOMERS AND PROTOFIBRILS ARE THE PREDOMINANT A $\beta$ -SPECIES IN THE NATIVE SOLUBLE PROTEIN FRACTION OF THE AD BRAIN. LOW-MOLECULAR A $\beta$ -OLIGOMERS OCCUR AFTER DENATURATION.  
*A. Rijal Upadhaya, I. Lungrin, H. Yamaguchi, M. Fändrich, D. R. Thal, Ulm*
- T11-22A** GABAERGIC SEPTO-HIPPOCAMPAL NEURONS AND GABAERGIC HIPPOCAMPAL INTERNEURONS ARE EARLY TARGETS FOR NEURODEGENERATION IN A MOUSE MODEL OF AMYLOIDOSIS AND TAUOPATHY  
*D. Loreth, R. Poirier, F. Grueninger, B. Bohrmann, M. Frotscher, F. Metzger, O. Kretz, Freiburg*



- T11-23A** GGA3 IS A POTENTIAL CSF MARKER OF ALZHEIMER'S DISEASE  
*C. Schnack, B. von Einem, A. Hellrung, M. Otto, H. Tumani, S. Jesse, J. Brettschneider, C. von Arnim, Ulm*
- T11-24A** IDENTIFICATION AND CHARACTERISATION OF CEREBRAL MICROPARTICLES IN CEREBROSPINAL FLUID FOLLOWING CEREBRAL DAMAGE  
*C. M. Trattig, S. Patz, G. Gruenbacher, U. Fasching, W. Sonja, C. Guelly, B. Ebner, B. Rinner, A. Novak, G. Leitinger, G. Havlicek, U. Schaefer, Graz, Austria*
- T11-25A** IDENTIFICATION OF LOW MOLECULAR WEIGHT PYRO-GLUTAMATE ABETA OLIGOMERS IN ALZHEIMER'S DISEASE: A NOVEL TOOL FOR THERAPY AND DIAGNOSIS  
*O. Wirths, C. Erck, H. Martens, A. Harmeier, C. Geumann, S. Jawhar, S. Kumar, G. Multhaup, J. Walter, M. Ingelsson, M. Degermann-Gunnarsson, H. Kalimo, I. Huitinga, L. Lannfelt, T. A. Bayer, Göttingen*
- T11-26A** NEW MARKERS FOR EARLY DIAGNOSIS OF ALZHEIMER'S DISEASE: THE FIRST STEP TOWARDS EFFICIENT TREATMENTS  
*S. Averaimo, L. Gasparini, S. Gornati, M. Mazzanti, Milan, Italy*

## Friday

- T11-1B** IMPAIRED CEREBELLAR GABAERGIC FEEDFORWARD INHIBITION IN CLN3 KNOCKOUT MICE  
*C. Werner, B. Grünwald, K. V. Toyka, C. Sommer, C. Geis, Würzburg*
- T11-2B** IMPAIRMENT OF N-CADHERIN FUNCTION ACCELERATES THE EFFECTS OF AMYLOID BETA PEPTIDE (A $\beta$ ) ON GLUTAMATERGIC SYNAPSES  
*A. Andreyeva, K. Horstmann, K. Gottmann, Düsseldorf*
- T11-3B** INDUCED PLURIPOTENT STEM CELL DERIVED NEURONS: A HUMAN MODEL FOR ALZHEIMER'S DISEASE?  
*K. Nieweg, A. Andreyeva, K. Gottmann, Düsseldorf*
- T11-4B** INFLUENCE OF SYNTHETIC AND NATURAL AMYLOID UPON NEURAL STEM CELLS FROM BOTH CENTRAL AND ENTERIC NERVOUS SYSTEM  
*J.-C. Klein, M. Grimm, T. Hartmann, K.-H. Schäfer, Zweibrücken*
- T11-5B** INTRASTRIATAL BOTULINUM TOXIN A INJECTION AMELIORATES SOME MOTOR ABILITIES OF HEMI-PARKINSON RATS AND LEADS TO MORPHOLOGICAL CHANGES IN THE BRAIN  
*A. Hawlitschka, V. Antipova, E. Mix, O. Schmitt, M. Witt, R. Benecke, A. Wree, Rostock*
- T11-6B** IN-VIVO MOUSE BRAIN DIFFUSION TENSOR MAGNETIC RESONANCE IMAGING (DT-MRI) AND IMMUNOHISTOCHEMISTRY (IHC) REVEALS GENDER SPECIFIC PATHOLOGY INDUCED BY CUPRIZONE  
*N. Hübner, L.-A. Harsan, A. Parlog, N. Baxan, J. Hennig, D. von Elverfeldt, Freiburg*

- T11-7B** LOCALIZATION AND SUBCELLULAR DISTRIBUTION OF THE AMYLOID PRECURSOR FAMILY IN THE ADULT MOUSE BRAIN  
*K. Gampe, C. Altmann, S. Czaplinski, S. Walter, W. Volkandt, Frankfurt/Main*
- T11-8B** LONGITUDINAL STUDY OF THE EFFECT OF TRAUMATIC BRAIN INJURY ON LATERAL VENTRICLE AND HIPPOCAMPAL VOLUMES USING FULLY AUTOMATED MRI VOLUMETRY  
*V. Brezova, A. Olsen, T. Skandsen, A. Vik, A. Håberg, Trondheim, Norway*
- T11-9B** MISMATCH IN NETWORK DYNAMICS IN A MODEL OF TEMPORAL LOBE EPILEPSY  
*U. P. Froriep, A. Kumar, D. Cosandier-Rimélé, U. Häussler, C. A. Haas, U. Egert, Freiburg*
- T11-10B** MODIFYING ALPHA-SYNUCLEIN DIMERIZATION IN LIVING CELLS  
*S. A. Gonçalves, T. F. Outeiro, Lisbon, Portugal*
- T11-11B** NERVOUS SYSTEM AND GENERAL TOXIC EFFECTS IN RATS AFTER SUBACUTE INTRATRACHEAL APPLICATION OF NANOSIZED LEAD OXIDE  
*G. Oszlanczi, E. Horváth, A. Szabó, A. Papp, P. Pusztai, M. Szabó, G. Kozma, A. Sápi, Z. Kónya, T. Vezér, Szeged, Hungary*
- T11-12B** NEUROLOGICAL AND MOLECULAR BIOLOGICAL CHARACTERIZATION OF THE MUTANT MOUSE LINE TOM40, THE PROTEIN THAT COMPRISES THE GENERAL IMPORT PORE OF MITOCHONDRIA  
*R. M. Zeh, L. Becker, A. Bender, T. Floss, A. Schrewe, J. Calzada-Wack, F. Neff, H. Fuchs, V. Gailus-Durner, R. Bekeredjian, T. Meitinger, W. Wurst, M. Hrabé de Angelis, H. Prokisch, T. Klopstock, München*
- T11-13B** NEURONS ASSOCIATED WITH AGGREGAN-BASED PERINEURONAL NETS ARE PROTECTED AGAINST TAU PATHOLOGY IN SUBCORTICAL REGIONS IN ALZHEIMER'S DISEASE  
*M. Morawski, G. Brückner, C. Jäger, G. Seeger, T. Arendt, Leipzig*
- T11-14B** NEUROPROTECTIVE EFFECTS OF HEMATOPOIETIC STEM CELLS IN THE G93A ANIMAL MODEL OF ALS  
*S. Knippenberg, N. Thau, R. Hass, R. Dengler, S. Petri, Hannover*
- T11-15B** NEUROTOXICITY OF NANOSIZED MANGANESE BY SUBCHRONIC EXPOSURE  
*A. Szabó, S. Takacs, Z. Máté, E. Horváth, G. Oszlanczi, A. Papp, Szeged, Hungary*
- T11-16B** NIGRAL INJECTION OF AAV-MEDIATED OVEREXPRESSION OF ALPHA-SYNUCLEIN: A PARKINSON-LIKE MODEL IN THE MARMOSET MONKEY  
*Y.-F. Cui, E. Garea-Rodriguez, S. Kuegler, C. Schlumbohm, E. Fuchs, Göttingen*



- T11-17B** NON-LOCAL IMPAIRMENT AND THERAPEUTIC RESTORATION OF VISUAL PLASTICITY MECHANISMS AFTER A LOCALIZED CORTICAL STROKE  
*F. Greifzu, S. Schmidt, K.-F. Schmidt, O. W. Witte, S. Löwel, Jena*
- T11-18B** OVEREXPRESSION OF GLUTAMINYL, THE ENZYME RESPONSIBLE FOR PYROGLUTAMATE ABETA FORMATION, CYCLASE INDUCES BEHAVIORAL DEFICITS AND GLUTAMINYL CYCLASE KNOCK-OUT RESCUES THE BEHAVIORAL PHENOTYPE IN 5XFAD MICE  
*S. Jawhar, O. Wirths, S. Schilling, S. Graubner, H.-U. Demuth, T. A. Bayer, Göttingen*
- T11-19B** PROTEIN KINASE A TARGETS POLYGLUTAMINE ANDROGEN RECEPTOR TO ATTENUATE MOTOR NEURON DEATH  
*M. Pennuto, C. Scaramuzzino, F. Sambataro, A. Conte-stabile, F. Benfenati, Genova, Italy*
- T11-20B** PROTEOME ANALYSIS OF A DETERGENT INSOLUBLE FRACTION FROM SPINAL CORDS OF SOD1 TRANSGENIC MICE BY LABEL-FREE LC-MSE MASS-SPECTROMETRY  
*M. Liebl, A. M. Kaya, S. Tenzer, S. Petri, J. Kuharev, H. Schild, C. Behl, A. M. Clement, Mainz*
- T11-21B** RAT MODELS OF HUNTINGTON'S DISEASE – WHAT CAN WE LEARN ABOUT THE NEURODEGENERATIVE PROCESS AND ITS IMPACT ON THE ADULT SEZ NICHE?  
*Y. Mazurova, I. Guncova, I. Latr, D. Astapenko, Hradec Králové, Czech Republic*
- T11-22B** READ-THROUGH OF A NONSENSE MUTATION AS A TREATMENT OPTION FOR USHER TYPE 1C  
*T. Goldmann, N. Overlack, F. Möller, I. Nudelman, T. Baasov, U. Wolfrum, K. Nagel-Wolfrum, Mainz*
- T11-23B** REDUCED OLFACTORY BULB VOLUMES IN PATIENTS WITH PARKINSON'S DISEASE  
*J. Klucken, J. Kahlis, N. Mallog, B. Winner, M. Greenlee, G. Schuierer, J. Winkler, Erlangen*
- T11-24B** REGULATION OF THE PROCESSING OF AMYLOID PRECURSOR PROTEIN (APP) BY GGA TRANSPORT PROTEINS  
*A. Hellrung, B. von Einem, D. Schwanzar, C. von Arnim, Ulm*
- T11-25B** RET MEDIATES THE NEUROPROTECTIVE AND NEUROREGENERATIVE EFFECTS OF GDNF IN THE MPTP MODEL OF PARKINSON'S DISEASE  
*V. D. Meka, K. Sollich, A. Drinkut, J. Schulz, S. Kugler, E. R. Kramer, Hamburg*
- T11-26B** CORTICOSTEROID MODULATION OF STATUS EPILEPTICUS: THE ROLE OF GRS AND MRS  
*N. Maggio, M. Segal, Rehovot, Israel*

## Saturday

- T11-1C** ROLE OF INHIBITION IN UNLEASHING AND QUENCHING OSCILLATIONS IN THE BASAL GANGLIA  
*S. Cardanobile, A. Kumar, S. Rotter, A. Aertsen, Freiburg*
- T11-2C** SCREENING FOR CONE NEUROPROTECTIVE SUBSTANCE USING 661W CELLS  
*S. Mencl, D. Trifunovic, F. Paquet-Durand, Tübingen*
- T11-3C** SEEDING EFFECT OF PYROGLUTAMATE AMYLOID BETA 3-42 PROMOTES PLAQUE DEPOSITION AND BEHAVIORAL DEFICITS IN A NOVEL BIGENIC MOUSE MODEL OF ALZHEIMER'S DISEASE  
*J. Wittnam, O. Wirths, T. Bayer, Göttingen*
- T11-4C** STRUCTURAL AND FUNCTIONAL INTERACTIONS BETWEEN WILDTYPE AND AMYOTROPHIC LATERAL SCLEROSIS-CAUSING MUTANT SOD1: A STUDY WITH OBLIGATE SOD1 DIMERS  
*A. Weichert, A. Besemer, N. Hellmann, E. Jaenicke, H. Witan, H. Decker, C. Behl, A. M. Clement, Mainz*
- T11-5C** SUBSTANTIA NIGRA PARS RETICULATA NEURONS PROJECTING TO THE DORSAL RAPHE NUCLEUS APPEAR TO RECEIVE AFFERENTS FROM THE SUBTHALAMIC NUCLEUS  
*H. Hartung, S. Tan, P. J. Magill, Y. Temel, T. Sharp, Oxford, United Kingdom*
- T11-6C** SYNAPTIC AND NEUROPHYSIOLOGICAL DEFICITS IN A FLY MODEL OF PARKINSON'S DISEASE (PD) WITH REDUCED LOCOMOTION  
*C. Elliott, A. Vincent, L. Briggs, E. Emery, M. Oswald, C. A. Middleton, R. Tomlins, S. Sweeney, York, United Kingdom*
- T11-7C** SYNAPTIC PROTEOME ALTERATIONS IN PATIENTS WITH SPORADIC CREUTZFELDT-JAKOB DISEASE  
*J. Carimalo, M. Nowak, J. Gawinecka, B. Ciesieckczyk, W. Schulz-Schaeffer, A. R. Asif, F. Cardone, M. Pocchiari, I. Zerr, Göttingen*
- T11-8C** THE ALPHA-SYNUCLEIN A30P-MUTATION NEGATIVELY AFFECTS REGENERATION OF DOPAMINERGIC NEURONS  
*L. Toenges, P. Roszak, E. Szegoe, J. C. Koch, C. P. Dohm, P. Kermer, S. Kuegler, M. Bähr, P. Lingor, Göttingen*
- T11-9C** THE BRAIN REGION-SPECIFIC EFFECT OF MPP+ ON THE EXPRESSION OF CYTOCHROME C OXIDASE SUBUNIT IV ISOFORMS AND VIABILITY OF ASTROCYTES  
*M. B. Victor, S. S. Boyalla, A. Roemgens, C. Beyer, S. Arnold, Aachen*
- T11-10C** THE CO-LAYER METHOD AS AN EFFICIENT WAY FOR NEUROTROPHIC FACTOR RELEASE BY TRANSPLANTED GENETICALLY MODIFIED NEURONAL PROGENITOR CELLS IN A RAT MODEL OF PARKINSON'S DISEASE  
*I. Kalve, A. Ratzka, M. Özer, M. Wesemann, J. Jungnickel, C. Köster-Patzlaff, A. Nobre, C. Grothe, Hannover*



- T11-11C** THE GENDER- AND BRAIN REGION-SPECIFIC ROLE OF CYTOCHROME C OXIDASE IN NEURODEGENERATION  
*S. Arnold, M. Victor, S. S. Boyalla, S. Singh, M. Misiak, C. Beyer, Aachen*
- T11-12C** THE IMPACT OF CYTOPLASMIC POLYADENYLATION ELEMENT BINDING PROTEIN (CPEB)-MEDIATED TRANSLATIONAL REGULATION ON DEVELOPMENT AND PROGRESSION OF TEMPORAL LOBE EPILEPSY: EVIDENCE FROM MICE EXPRESSING A DOMINANT NEGATIVE CPEB IN FOREBRAIN NEURONS  
*P. Bedner, P. Dublin, S. T. Turimella, V. Vangoor, K. Hüttmann, E. Kandel, C. Steinhäuser, M. Theis, Bonn*
- T11-13C** THE INFLUENCE OF THE NKCC1-INHIBITOR BUMETANIDE ON ALTERATIONS IN SEIZURE SUSCEPTIBILITY AFTER STATUS EPILEPTICUS IN MICE  
*M. Töpfer, K. Töllner, C. Brandt, W. Löscher, Hannover*
- T11-14C** THE NUCLEOLUS AS A SOURCE OF OXIDATIVE DAMAGE AND NEURODEGENERATION  
*R. Parlato, C. Rieker, G. Kreiner, H. Bierhoff, M. Armentano, D. Engblom, A. Schober, L. Bonfanti, I. Grummt, G. Schütz, Heidelberg*
- T11-15C** THE PERIVASCULAR CLEARANCE OF NEURONAL APOLIPOPROTEIN E IS MODULATED BY AMYLOID BETA - PROTEIN IN MOUSE MODELS OF ALZHEIMER'S DISEASE  
*D. R. Thal, T. van Dooren, C. Haass, F. van Leuven, H. Rolyan, Ulm*
- T11-16C** THE ROLE OF ASTROCYTES IN THE PARKINSON'S DISEASE PATHOLOGY  
*S. Mendritzki, H. Lübbert, Bochum*
- T11-17C** THE ROLE OF BAG1 IN TAU PATHOLOGY  
*S. C. Signore, M. Bähr, F. S. Wouters, P. Kermer, Göttingen*
- T11-18C** THE ROLE OF STRIATUM AND HIPPOCAMPUS IN SEQUENTIAL LEARNING: INTERACTION, DISSOCIATION OR COMPETITION?  
*M. T. Eckart, M. Hülse-Matia, R. McDonald, D. Loer, R. Schwarting, Marburg*
- T11-19C** THE ROLE OF VOLTAGE GATED SODIUM CHANNELS IN THE PATHOGENESIS OF GLAUCOMATOUS OPTIC NEUROPATHY  
*B. Könnecke, S. Sandalon, H. Levkovitch-Verbin, K. Hein, M. Sättler, M. Bähr, M. Simons, R. Ofri, Göttingen*
- T11-20C** THE TRANSPORT OF NEUROTROPHINS IN NEURODEGENERATIVE DISEASES  
*B. Seifert, V. Leßmann, T. Brigadski, Magdeburg*
- T11-21C** TRANSCRIPTIONAL REGULATORS IN THE PATHOGENESIS OF AMYOTROPHIC LATERAL SCLEROSIS (ALS) – HISTOPATHOLOGICAL AND BIOCHEMICAL STUDIES IN THE G93A ALS MOUSE MODEL AND IN ALS POST MORTEM TISSUE  
*N. Thau, S. Knippenberg, R. Dengler, S. Petri, Hannover*

- T11-22C** TREATMENT OF 5XFAD TRANSGENIC MICE WITH IBUPROFEN  
*A. Hillmann, O. Wirths, T. A. Bayer, Göttingen*
- T11-23C** VISUALIZING DOPAMINE TRANSPORTER ACTIVITY WITH [123I]FP-CIT SPECT IN 6-OHDA LESIONED MARMOSSET MONKEYS: A NON-HUMAN PRIMATE MODEL OF PARKINSON'S DISEASE  
*E. Garea-Rodríguez, Y.-F. Cui, C. Schlumbohm, E. Fuchs, Göttingen*
- T11-24C** ZEBRAFISH: A NEW MODEL OF PARKINSON'S DISEASE  
*T. R. Lopes da Fonseca, A. D. Correia, T. F. Outeiro, Lissabon, Portugal*
- T11-25C** A SEVERE EPILEPTIC PHENOTYPE DUE TO A MODERATE LOSS OF M-CURRENT IN THE KCNQ2NMF134 MOUSE MODEL  
*D. Milkereit, A. Neu, F. Morellini, Q. Le, D. Isbrandt, Hamburg*
- T11-26C** THE ROLE OF THE C-C CHEMOKINE CCL17 IN ALZHEIMER'S DISEASE  
*K. Neitzert, O. Albayram, S. Kumar, J. Walter, I. Förster, A. Bilkei-Gorzo, M. Kron, W. Maier, A. Zimmer, J. Alferink, Bonn*

## T12: Neuroimmunology, inflammation and neuroprotection

### Thursday

- T12-1A** BETA-ADRENERGIC STIMULATION SUPPRESSES PHAGOCYTOSIS IN MICROGLIA VIA EPAC  
*T. Steininger, H. Kerschbaum, Salzburg, Austria*
- T12-2A** BRAIN HYPOXIA CAUSES EARLY INCREASE IN VESICULAR GLUTAMATE RELEASE IN HIPPOCAMPAL AREA CA1 BUT NOT IN HIPPOCAMPAL AREA CA3  
*C. Gebhardt, C. Behrens, M. Jarosch, U. Heinemann, Berlin*
- T12-3A** CALCIUM-INDEPENDENT PHOSPHOLIPASE A<sub>2</sub> (IPLA<sub>2</sub>) PROTECTS ASTROCYTES AND THEIR MITOCHONDRIA AGAINST ROTENONE-INDUCED OXIDATIVE STRESS  
*C. Nordmann, M. Strokin, G. Reiser, Magdeburg*
- T12-4A** CD14 AND TRIF GOVERN DISTINCT RESPONSIVENESS AND RESPONSES IN MOUSE MICROGLIAL TLR4 CHALLENGES BY STRUCTURAL VARIANTS OF LPS  
*U.-K. Hanisch, T. Regen, D. van Rossum, J. Scheffel, M.-E. Kastrioti, N. H. Revelo, M. Prinz, W. Brück, Göttingen*



- T12-5A** CHOLINERGIC MARKERS ARE ALTERED IN TWO DIFFERENT MODELS OF TRAUMATIC BRAIN INJURY  
C. K. Donat, P.-G. Hoffmeister, B. Walter, W. Deuther-Conrad, M. U. Schuhmann, C. Voigt, R. Bauer, J. Meixensberger, P. Brust, Leipzig
- T12-6A** CRUCIAL ROLE OF CB1 RECEPTORS ON HIPPOCAMPAL GABAERGIC NEURONS IN BRAIN AGING  
Ö. Albayram, J. Alferink, A. Piyanova, K. Poppensieker, K. Monory, B. Lutz, A. Zimmer, Bonn
- T12-7A** CYCLOSPORINE PROTECTS RGC-5 CELLS AGAINST EXCITOTOXICITY  
M. Schultheiss, T. Mlynczak, S. Schnichels, J. Hofmann, P. Szurman, K. U. Bartz-Schmidt, M. S. Spitzer, Tübingen
- T12-8A** DEEP HYPOTHERMIA AFFECTS MORPHOLOGICAL CHANGES AND DECREASES THE IL-6 AND MCP-1 RELEASE IN LPS STIMULATED BV-2 MICROGLIAL CELLS  
A. Krauß, S. Wollersheim, P. Soltani, F. Berger, K. R. Schmitt, Berlin
- T12-9A** DETECTING THE NEURODEGENERATING EFFECTS OF OXIDATIVE STRESS INDUCED BY MICROINJECTION OF IRON IN THE MOUSE BRAIN  
A. Suttkus, M. Morawski, G. Brückner, T. Arendt, Leipzig
- T12-10A** EFFECT OF CLADRIBINE ON PRIMARY RAT MICROGLIAL CELLS  
V. Singh, E. Voss, M. Stangel, Hannover
- T12-11A** TENASCIN-C-ACTIVATED SIGNALLING PATHWAYS IN THE MIGRATION OF HUMAN GLIOMA CELLS  
N. Brösicke, B. Scheffler, A. Faissner, Bochum
- T12-12A** EFFECT OF LAQUINIMOD ON CUPRIZONE-INDUCED DEMYELINATION IN MICE  
R. Pfortner, W. Brück, C. Wegner, Göttingen

## Friday

- T12-1B** EFFECTS OF PROTEASOME INHIBITION ON MACROPHAGES AND ON MYELIN DEGRADATION DURING PERIPHERAL NERVE DEGENERATION IN VIVO AND IN VITRO  
H. Siebert, S. Denninger, B. Maruschak, W. Brück, Göttingen
- T12-2B** EXPRESSION ANALYSIS OF NATIVE AND CULTURED MICROGLIA FROM CONDITIONAL NF-KAPPA B RELB KNOCKOUT MICE  
R. Wilke, R. Haenold, C. Günschmann, A. Gompf, M. Riemann, F. Weih, Jena
- T12-3B** GALANIN-RECEPTORS IN MICROGLIA  
M. Beyreis, S. Wintersteller, B. Kofler, H. H. Kerschbaum, Salzburg, Austria
- T12-4B** HISTOCHEMICAL CHARACTERIZATION OF THE NEUROVASCULAR UNIT AND A NOVEL QUANTIFICATION OF BLOOD-BRAIN BARRIER DAMAGE AFTER EMBOLIC STROKE IN RATS  
W. Härtig, J. Grosche, J. Pelz, D. Schneider, C. Weise, U. Bauer, J. Kacza, U. Gärtner, C. Hobohm, D. Michalski, Leipzig



- T12-5B** IN VIVO MICROGLIA DEPLETION MODIFIES SHORT TERM PLASTICITY IN THE CA1 SCHAFFER COLLATERAL PATHWAY OF MOUSE HIPPOCAMPUS  
*I. Papageorgiou, G. Eom, F. L. Heppner, O. Kann, Berlin*
- T12-6B** INFLUENCE OF THE COMPLEMENT FRAGMENT C5 AND ALBUMIN IN RAT GLIAL COCULTURES AS AN IN-VITRO MODEL OF AN EXPERIMENTAL MENINGITIS  
*A. Schöbel, K. Hoppenrath, D. Hinkerohe, N. Prochnow, H. Dambach, C. Berthold, U. Schlegel, P. Faustmann, Bochum*
- T12-7B** IS THE VOLTAGE-DEPENDENT ANION CHANNEL 1 (VDAC-1) INVOLVED IN H-RAS ACTIVITY-INDUCED NEUROPROTECTION?  
*S. Neumann, K. Kuteykin-Teplyakov, R. Heumann, Bochum*
- T12-8B** PROINFLAMMATORY CYTOKINES FROM PATIENTS WITH CROHN'S DISEASE AFFECT CULTURED ENTERIC NEURONS  
*S. Häuser, C. I. Hagl, S. Heumüller, E. Wink, U. Böcker, K.-H. Schäfer, Mannheim*
- T12-9B** A CHARACTERISTIC ESTABLISHMENT OF IMMUNOREACTIVE EXTRACELLULAR MATRIX IN THE HUMAN LATERAL GENICULATE BODY  
*D. Lendvai, Morawski M, G. Bruckner, L. Negyessy, G. Baksa, T. Glasz, R. T. Matthews, T. Arendt and A. Alpar, Budapest, Hungary*
- T12-10B** MINOCYCLINE ATTENUATES THE MICROGLIA-ASSISTED GLIOMA EXPANSION AND INVASION  
*K. Vinnakota, D. Markovic, R. Glass, H. Kettenmann, Berlin*
- T12-11B** INTERACTION OF GLIOMA CELLS WITH INTRINSIC BRAIN CELLS  
*M.-C. Ku, R. Glass, H. Kettenmann, Berlin*

## Saturday

- T12-1C** REGION- AND CELL-SPECIFIC EXPRESSION OF MATRIX METALLOPROTEINASE AND TISSUE INHIBITOR OF MATRIX METALLOPROTEINASE GENES IN THE BRAIN DURING DE- AND REMYELINATION  
*J. Skuljec, V. Gudi, R. Ulrich, K. Frichert, E. Voß, R. Pul, K. Wissel, W. Baumgärtner, M. Stangel, Hannover*
- T12-2C** TGF-BETA IN INTERLEUKIN-4-MEDIATED ALTERNATIVE ACTIVATION OF MICROGLIA  
*B. Spittau, X. Zhou, K. Krieglstein, Freiburg*
- T12-3C** THE ALTERNATIVE ACTIVATION OF MICROGLIAL CELLS IN ASSOCIATION TO NEURODEGENERATIVE DISEASES  
*A. Witting, A. Buttgerit, V. Reimer, L. Campanelli, H. Tritschler, P. Weydt, Ulm*
- T12-4C** THE DIFFERENTIAL IMPACT OF THE TWO ANTIEPILEPTIC DRUGS LEVETIRACETAM AND VALPROATE ON GLIAL PROPERTIES IN AN IN VITRO CO-CULTURE MODEL  
*H. Dambach, D. Hinkerohe, C. Berthold, A. Schöbel, U. Schlegel, P. Faustmann, Bochum*



- T12-5C** THE FATE OF HISTONE H3 DURING APOPTOSIS IN MICROGLIA  
*B. Klein, U. Lütz-Meindl, H. H. Kerschbaum, Salzburg, Austria*
- T12-6C** THE INFLUENCE OF ACUTE *ESCHERICHIA COLI* INFECTION ON DISEASE COURSE AND NEURODEGENERATION OF MOG-EAE  
*K. Friebe, R. Schallhorn, S. Ebert, D. Merkler, M. Bähr, K. Hein, Göttingen*
- T12-7C** THE P2 RECEPTOR ANTAGONIST PPADS SUPPORTS RECOVERY FROM EXPERIMENTAL STROKE IN VIVO  
*U. Krügel, A. Beck, H. Franke, B. Grimmich, T. Krügel, A. Lämmer, Leipzig*
- T12-8C** THE ROLE OF THE P75<sup>NTR</sup> IN EXPERIMENTAL INFLAMMATION OF THE CNS  
*T. Dallenga, A. Bittner, W. Jäger, P. Vollmar, W. Oertel, N. Sommer, J. Möller, B. Hemmer, C. Stadelmann-Nessler, S. Nessler, Göttingen*
- T12-9C** THE BETA-AMYLOID PRECURSOR PROTEIN (APP) IS A POTENT GROWTH FACTOR - IMPLICATIONS FOR ALZHEIMER'S DISEASE AND CANCER  
*V. Venkataramani, C. Rossner, L. Iffland, S. Schweyer, O. Wirths, T. Bayer, Göttingen*
- T12-10C** VALINOMYCIN-INDUCED CELL DEATH IN MICROGLIAL CELLS  
*H. H. Kerschbaum, B. Klein, K. Wörndl, U. Lütz-Meindl, Salzburg, Austria*
- T12-11C** NEUROPROTECTION OF *MELISSA OFFICINALIS* AFTER HYPOXIC-ISCHEMIC INJURY BOTH IN VITRO AND IN VIVO  
*G. Hassanzadeh, A. Tameh Abolfazl, B. Mohammad Teheran, Iran*

## T13: Cognitive, emotional, behavioral state disorders and addiction

### Thursday

- T13-1A** ABERRANT TEMPORAL BRAIN ACTIVITY DURING REST IN PATIENTS WITH PAIN-PREDOMINANT MULTISOMATOFORM DISORDER  
*M. Noll-Hussong, A. Otti, H. Gündel, München*
- T13-2A** ANTIDEPRESSANT-LIKE FEATURES OF MICE WITH TRANSGENIC ACTIVATION OF RAS IN DIFFERENTIATED NEURONS  
*O. Leske, Z. Bichler, R. Heumann, Bochum*
- T13-3A** BEHAVIOURAL AND ELECTROPHYSIOLOGICAL SIGNS OF THE EFFECT OF LEAD ON THE CNS OF RATS IN VARIOUS ROUTES OF EXPOSURE  
*Z. Máté, E. Horváth, L. Sárközi, A. Szabó, G. Oszlanczi, A. Papp, Szeged, Hungary*

- T13-4A** CANNABINOID RECEPTOR AGONIST WIN55212,2 IMPROVES PREPULSE INHIBITION IN PSYCHOSOCIALLY STRESSED MICE  
*U. Havemann-Reinecke, M. Brzozka, A. Fischer, P. Falkai, Göttingen*
- T13-5A** CONTEXTUALS VERSUS FRAGMENTALS HIGHLY GIFTED VERSUS AUTISTIC THINKING JUST IN DEVELOPMENT  
*M. Goudriaan, Delft, The Netherlands*
- T13-6A** DEPRESSION-LIKE BEHAVIOR OF MICE WITH INDUCED ABLATION OF BOTH THE MINERALO- AND THE GLUCOCORTICOID RECEPTOR  
*M. A. Vogt, S. Berger, N. Pfeiffer, G. Schütz, P. Gass, Mannheim*
- T13-7A** EFFECTS OF EARLY STRESS ON IMPULSIVITY AND REWARD LEARNING IN OCTODON DEGUS: BEHAVIORAL STUDIES USING A NOVEL ANIMAL MODEL FOR ADHD  
*J. Kunzler, K. Braun, J. Bock, Magdeburg*
- T13-8A** CHRONIC SOCIAL STRESS MODULATED GENE EXPRESSION IN ASTROGLIA IN THE HIPPOCAMPUS AND PREFRONTAL CORTEX  
*C. Araya Callis, E. Fuchs, G. Flügge, Göttingen*

## Friday

- T13-1B** ENHANCED NEURONAL RAS ACTIVITY MODULATES THE ADVERSE PHENOTYPE IN A MOUSE MODEL OF RETT SYNDROME  
*D. Damen, O. Leske, R. Heumann, Bochum*
- T13-2B** EXPOSURE OF MICE TO LONG-LIGHT: A NEW ANIMAL MODEL TO STUDY DEPRESSION  
*A. Becker, A. Bilkei-Gorzo, K. Michel, A. Zimmer, Bonn*
- T13-3B** IMPACT OF A DELETION OF SRGAP3 ON BRAIN ARCHITECTURE AND DENDRITIC SPINES  
*O. von Bohlen und Halbach, J. Bertram, R. Waltereit, D. Bartsch, Greifswald*
- T13-4B** IMPACT OF THE GLUCOCORTICOID RECEPTOR ON MATERNAL NEGLECT  
*N. Pfeiffer, S. Chourbaji, C. Brandwein, M. A. Vogt, P. Gass, Mannheim*
- T13-5B** INFLUENCE OF MATERNAL CARE ON THE ADULT SOCIAL PHENOTYPE: A CROSS-FOSTERING STUDY IN MICE  
*F. R. D'Amato, V. Lampis, A. Moles, D. Oddi, Roma, Italy*
- T13-6B** IS STEREOTYPIC BEHAVIOUR CORRELATED WITH COGNITIVE IMPAIRMENT IN STARLINGS?  
*G. Feenders, M. Bateson, Newcastle, United Kingdom*



**T13-7B** JUVENILE STRESS - A VALID MODEL OF DEPRESSION/  
ANXIETY?  
*N. Yee, K. Plaßmann, M. Wöhr, G. Richter-Levin, E. Fuchs,  
Göttingen*

**T13-8B** OXYTOCIN AND SOCIAL AGGRESSION: WHAT, WHERE  
AND HOW?  
*F. Calcagnoli, C. Stubbendorff, S. F. de Boer, J. M. Kool-  
haas, J. A. den Boer, Haren, The Netherlands*

## Saturday

**T13-1C** PDE4-INHIBITION FACILITATES HIPPOCAMPAL SYNAPTIC  
PLASTICITY AND RESCUES MK801-INDUCED IMPAIRMENT  
IN LTP IN FREELY MOVING RATS  
*V. Wiescholleck, D. Manahan-Vaughan, Bochum*

**T13-2C** PSYCHOPHYSICS AND EEG OF VISUAL MOTION PRO-  
CESSING IN CHILDREN WITH ADHD  
*B. Lange-Malecki, S. Treue, A. Rothenberger, B. Albrecht,  
Göttingen*

**T13-3C** SHANK1-DEFICIENT MICE DISPLAY DEFICITS IN DEVELOP-  
MENTAL MILESTONES, ULTRASONIC COMMUNICATION,  
SCENT MARKING BEHAVIOR AND SOCIAL MEMORY – AN  
AUTISM-LIKE PHENOTYPE?  
*M. Wöhr, F. I. Roulet, A. Y. Hung, M. Sheng, J. N. Crawley,  
Marburg*

**T13-4C** SIGNIFICANT IMPACT OF P-GLYCOPROTEIN ON THE HPA-  
SYSTEM AND POTENTIAL CONSEQUENCES FOR ANTI-  
DEPRESSANT EFFECTS  
*Y. Schönfelder, C. Hiemke, U. Schmitt, Mainz*

**T13-5C** STUDYING THE GENE-ENVIRONMENT INTERACTION  
IN TCF4 TRANSGENIC MICE, AN ANIMAL MODEL OF  
SCHIZOPHRENIA  
*D. Badowska, M. M. Brzozka, M. J. Rossner, Göttingen*

**T13-6C** THE EFFECT OF CADMIUM ON BEHAVIORAL AND ELEC-  
TROPHYSIOLOGICAL PARAMETERS OF RATS AFTER SUB-  
ACUTE EXPOSURE IN TWO DIFFERENT FORMS  
*E. Horváth, G. Oszlanczi, Z. Máté, A. Szabó, A. Papp,  
G. Kozma, A. Sági, Z. Kónya, L. Nagymajtényi, Szeged,  
Hungary*

**T13-7C** ULTRASONIC COMMUNICATION IN RATS: EFFECTS OF  
POST-WEANING SOCIAL ISOLATION ON SOCIAL  
APPROACH BEHAVIOR AND BRAIN ACTIVITY IN RESPONSE  
TO PLAYBACK OF 50-KHZ CALLS IN THE RAT  
*D. Seffer, C. Renninger, R. K. Schwarting, M. Wöhr, Marburg*

**T13-8C** ZINC DEFICIENCY AND DEPRESSION  
*K. Mlyniec, B. Budziszewska, W. Reczynski, G. Nowak,  
Krakow, Poland*

## T14: Vision: invertebrates

### Thursday

- T14-1A** A COMPARISON OF FLIGHT AND SIGHT STRATEGIES IN FLIES  
*B. R. Geurten, R. Kern, M. Egelhaaf, Bielefeld*
- T14-2A** A DISTINCT LAYER OF THE MEDULLA INTEGRATES POLARIZED LIGHT INFORMATION IN THE LOCUST BRAIN  
*B. el Jundi, U. Homberg, Marburg*
- T14-3A** BEHAVIOURAL STUDIES AND MODELLING OF GAZE STABILIZATION IN THE BLOWFLY *CALLIPHORA*  
*D. A. Schwyn, F. J. Hernández Heras, G. Bolliger, M. M. Parsons, H. G. Krapp, R. J. Tanaka, London, United Kingdom*
- T14-4A** BLOWFLY BRAIN-MACHINE INTERFACE: BUILDING A CLOSED LOOP SETUP BETWEEN THE BRAIN OF A BLOWFLY AND A MOBILE ROBOT PLATFORM USING AN IMPLANTABLE MICRO-RECORDING PROBE  
*K. D. Peterson, N. Ejaz, H. G. Krapp, London, United Kingdom*
- T14-5A** CORRELATIONS BETWEEN HEAD SIZE, EYE, BRAIN AND OPTIC LOBES IN MALE AND FEMALE BLOWFLIES DETERMINED BY MICRO-CT IMAGING  
*M. Wicklein, D. A. Schwyn, R. L. Abel, T. J. Simonsen, H. G. Krapp, London, United Kingdom*
- T14-6A** EXTRACELLULAR LONG-TERM RECORDINGS FROM POLARIZATION-SENSITIVE INTERNEURONS OF THE LOCUST BRAIN  
*M. Bech, U. Homberg, Marburg*
- T14-7A** HOW DOES CONFLICTING COMPASS INFORMATION AFFECT DESERT ANTS' ORIENTATION?  
*F. Leibold, B. Ronacher, Berlin*
- T14-8A** IDENTIFICATION OF NOVEL GENES REQUIRED FOR THE INTERNALIZATION OF *DROSOPHILA* TRPL  
*A. Cerny, N. Meyer, T. Dürr, C. Oberegelsbacher, A. Huber, Stuttgart*
- T14-9A** INFLUENCE OF VENTRAL OPTIC FLOW ON DISTANCE ESTIMATION IN DESERT ANTS (*CATAGLYPHIS FORTIS*)  
*K. J. Schwannauer, S. Bolek, H. Wolf, Ulm*

### Friday

- T14-1B** INTERNALIZATION OF THE *DROSOPHILA* TRPL ION CHANNEL IS MEDIATED BY RAB5 AND RABX4  
*C. Oberegelsbacher, C. Schneider, A. Huber, Stuttgart*
- T14-2B** LOCALISATION OF CHIMERIC TRP/TRPL ION CHANNELS IN *DROSOPHILA* PHOTORECEPTORS  
*T. Oberacker, D. Richter, A. Cerny, A. Huber, Stuttgart*



- T14-3B** MODELING WAVELENGTH DISCRIMINATION IN *DROSOPHILA*: EVIDENCE FOR A CONTRIBUTION OF RHODOPSIN 1 TO COLOR VISION  
C. Garbers, C. O'Brien, C. Schnaitmann, H. Tanimoto, T. Wachtler, Martinsried
- T14-4B** MOLECULAR MECHANISM AND EVOLUTION OF SPECTRAL TUNING OF BLUE-ABSORBING VISUAL PIGMENTS IN PIERID BUTTERFLIES  
M. Wakakuwa, A. Terakita, M. Koyanagi, D. G. Stavenga, Y. Shichida, K. Arikawa, Kanagawa, Japan
- T14-5B** MULTIMODAL SENSORY INTEGRATION IN A FLY MOTOR NEURON  
J. Haag, A. Wertz, A. Borst, Martinsried
- T14-6B** OPTIC FLOW PROCESSING IN A FLY NECK MOTOR NEURON  
A. Wertz, J. Haag, A. Borst, Martinsried
- T14-7B** RECEPTIVE FIELD PROPERTIES AND PATTERN-DEPENDENT RESPONSE MODULATIONS IN MOTION-SENSITIVE VISUAL INTERNEURONS – A MODEL STUDY  
H. G. Meyer, J. P. Lindemann, M. Egelhaaf, Bielefeld
- T14-8B** RESPONSES OF CENTRAL-COMPLEX NEURONS TO UNPOLARIZED LIGHT STIMULI IN THE DESERT LOCUST  
R. Rosner, U. Homberg, Marburg

## Saturday

- T14-1C** SENSITIVITY FOR MOTION AND ORIENTATION IN THE BLOWFLY VISUAL SYSTEM  
C. Spalthoff, R. Kurtz, Bielefeld
- T14-2C** STOCHASTIC AND MUTUALLY EXCLUSIVE EXPRESSION OF *DROSOPHILA* RHODOPSIN GENES  
J. Rister, C. Desplan, New York, USA
- T14-3C** SYNAPTIC PLASTICITY IN VISUAL AND OLFACTORY BRAIN CENTERS AND BEHAVIORAL EFFECTS IN *CATAGLYPHIS FORTIS* AFTER UNILATERAL SENSORY DEPRIVATION  
A. Hellwig, S. M. Stieb, R. Wehner, W. Rössler, Würzburg
- T14-4C** TARGETING OF MIDDLE- AND HIND LEGS OF THE STICK INSECT *CARAUSIUS MOROSUS* ON THE SLIPPERY SURFACE  
A. Wosnitzer, V. Fischer, A. Büschges, M. Gruhn, Köln
- T14-5C** THE *DROSOPHILA* TRANSIENT RECEPTOR POTENTIAL ION CHANNEL IS LIGHT-DEPENDENTLY PHOSPHORYLATED  
O. Voolstra, S. Kaltenbach, K. Beck, C. Oberegelsbacher, J. Pfannstiel, A. Huber, Stuttgart
- T14-6C** THE FINE STRUCTURE OF HOMING BEHAVIOUR IN BEES AND ITS CONSEQUENCES FOR OPTIC FLOW PROCESSING  
M. Mertes, L. Dittmar, M. Egelhaaf, N. Boeddeker, Bielefeld
- T14-7C** THE NEURONAL PATHWAYS THROUGH THE ANTERIOR OPTIC TUBERCLE IN THE *PAPILIO* BUTTERFLY  
M. Kinoshita, Kanagawa, Japan

- T14-8C** VISUAL MOTION DETECTION IN TETHERED FLYING FLIES  
*S. N. Jung, A. Borst, J. Haag, Martinsried*

## T15: Vision: retina and subcortical pathways

### Thursday

- T15-1A** ACTIVITY OF POLY (ADP-RIBOSE) POLYMERASE (PARP) IN P23H-1 AND S334TER-3 MUTANT RHODOPSIN TRANS-GENIC RATS  
*J. Kaur, A. Sahaboglu, F. Paquet-Durand, B. Arango-Gonzalez, Tübingen*
- T15-2A** CHROMATIC BIPOLEAR CELL PATHWAYS IN THE MOUSE RETINA  
*T. Breuninger, C. Puller, S. Haverkamp, T. Euler, Tübingen*
- T15-3A** CHROMATIC PROCESSING IN MOUSE RETINAL GANGLION CELLS  
*L. Chang, T. Breuninger, T. Euler, Tübingen*
- T15-4A** CLOSED-LOOP EXPERIMENTS FOR MEASURING SPATIAL CONTRAST INTEGRATION IN THE RETINA  
*D. Bölinger, T. Gollisch, Martinsried*
- T15-5A** COMPLEXINS IN THE MURINE RETINA: CELLULAR AND SYNAPTIC DISTRIBUTION  
*J. Mühlhans, K. Reim, A. Gießl, J. H. Brandstätter, Erlangen*
- T15-6A** CONE BIPOLEAR CELLS IN A BAT RETINA  
*B. Müller, Frankfurt/Main*
- T15-7A** CONTRAST ADAPTATION IN THE RETINA: GLOBAL OR LOCAL MECHANISMS?  
*M. Garvert, T. Gollisch, Martinsried*
- T15-8A** DIFFERENT PERICENTRIN-ISOFORMS IDENTIFIED IN DEVELOPING AND ADULT MAMMALIAN PHOTORECEPTOR CELLS  
*A. Gießl, J. Mühlhans, J. H. Brandstätter, Erlangen*
- T15-9A** DOES DISRUPTION OF PHOTORECEPTOR COUPLING AFFECT CONE DEGENERATION IN A RETINITIS PIGMENTOSA MOUSE MODEL?  
*K. Schmidt, U. Janssen-Bienhold, K. Dedek, R. Weiler, Oldenburg*
- T15-10A** DOES TRANSORBITAL ALTERNATING CURRENT STIMULATION ENHANCE THE SURVIVAL OF RETINAL GANGLION CELLS?  
*P. Henrich-Noack, N. Voigt, S. Prilloff, B. A. Sabel, Magdeburg*
- T15-11A** ELECTROPHYSIOLOGICAL CORRELATES OF RETINAL GANGLION CELL DEGENERATION FOLLOWING OPTIC NERVE LESION  
*C. Leibig, J. Menzler, G. Zeck, Reutlingen*



- T15-12A** ELECTROPHYSIOLOGY OF THE SNAKE RETINA  
*T. Kohl, B. A. Young, Bonn*
- T15-13A** ENCODING OF SACCADIC SCENE CHANGES IN THE MOUSE RETINA  
*V. Krishnamoorthy, T. Gollisch, Martinsried*
- T15-14A** ENCODING OF STIMULUS DIRECTION IN ARCHER FISH GANGLION CELLS  
*V. Kretschmer, M. T. Ahlers, J. Ammermüller, Oldenburg*
- T15-15A** EXPERIENCE-DEPENDENT PLASTICITY AND VISION RESTORATION IN RATS AFTER OPTIC NERVE CRUSH  
*B. A. Sabel, S. Prilloff, P. Henrich-Noack, S. Kropf, Magdeburg*
- T15-16A** EXPRESSION AND SUBCELLULAR LOCALIZATION OF USHER SYNDROME PROTEINS IN THE HUMAN PHOTO-RECEPTOR CELLS  
*U. Wolfrum, T. Goldmann, N. Overlack, C. Mueller  
J. M. Vetter, K. Nagel-Wolfrum, Mainz*

## Friday

- T15-1B** EXPRESSION OF CONNEXIN30.2 IN AMACRINE CELLS AND INTRINSICALLY PHOTOSENSITIVE GANGLION CELLS OF THE MOUSE RETINA  
*A. Meyer, M. M. Kreuzberg, K. Willecke, R. Weiler, K. Dedek, Oldenburg*
- T15-2B** EXPRESSION OF THE VOLTAGE-GATED CALCIUM CHANNEL SUBUNIT ALPHA<sub>2</sub>DELTA-3 IN THE MOUSE RETINA IS HIGHLY SPECIFIC  
*H. Seitter, A. Pirone, M. Knipper, J. Engel, T. Münch, Tübingen*
- T15-3B** FMRI OF SUPERIOR COLLICULI AND OCULOMOTOR BRAINSTEM NUCLEI IN HUMANS  
*W. Linzenbold, M. Himmelbach, Tübingen*
- T15-4B** FUNCTIONAL CHARACTERIZATION OF THE OSCILLATORY ACTIVITY IN THE RD-1 MOUSE RETINA  
*W. Haq, T. Schubert, T. Ladewig, E. Zrenner, T. Euler, Tübingen*
- T15-5B** GENERATION AND FUNCTIONAL CHARACTERIZATION OF A TRANSGENIC MOUSE EXPRESSING A CA<sup>2+</sup> BIOSENSOR IN CONE PHOTORECEPTORS  
*T. Wei, K. Koeppen, T. Ott, N. Tanimoto, N. Rieger, B. Baumann, O. Griesbeck, T. Ladewig, T. Euler, B. Wissinger, Tübingen*
- T15-6B** IDENTIFICATION AND CHARACTERIZATION OF A NOVEL CONNEXIN (ZFCX53.4) EXPRESSED IN HORIZONTAL CELLS OF THE ZEBRAFISH RETINA  
*H. Greb, R. Weiler, U. Janssen-Bienhold, Oldenburg*
- T15-7B** INCREASED RESISTANCE TO RETINAL DEGENERATION IN PARP1 GENE KNOCK-OUT ANIMALS  
*A. Sahaboglu Tekgöz, N. Tanimoto, J. Kaur, J. Sancho-Pelluz, G. Huber, E. Fahl, B. Arango-Gonzalez, E. Zrenner, P. Ekström, H. Löwenheim, M. Seeliger, F. Paquet-Durand, Tübingen*



- T15-8B** INHIBITORY NEUROTRANSMITTER RECEPTORS IN THE RETINAL CIRCUITRY WHICH PROCESSES DIRECTION OF MOTION  
*O. N. Auferkorte, S. K. Kaushalya, S. Reddy, T. Euler, S. Haverkamp, Frankfurt/Main*
- T15-9B** INHIBITORY SYNAPTIC INPUTS ONTO MELANOPSIN EXPRESSING RETINAL GANGLION CELLS  
*S. Neumann, S. Haverkamp, O. N. Auferkorte, Frankfurt/Main*
- T15-10B** INTRAFLAGELLAR TRANSPORT PROTEINS IN CILIOGENESIS OF PHOTORECEPTOR CELLS  
*T. Sedmak, U. Wolfrum, Erlangen*
- T15-11B** LAYER DEPENDENT VISUAL RECEPTIVE FIELD PROPERTIES IN FERRET SUPERIOR COLLICULUS  
*I. M. Stitt, F. Pieper, G. Engler, E. Galindo-Leon, A. K. Engel, Hamburg*
- T15-12B** LOCALIZATION AND FUNCTIONAL ROLE OF PANNEKUM IN THE MOUSE RETINA  
*B. Dorgau, K. Schmidt, U. Janssen-Bienhold, K. Dedek, P. Bolte, R. Herrling, H. Monyer, S. Penuela, D. Laird, R. Weiler, Oldenburg*
- T15-13B** MAGI2 IS A NEW INTERACTION PARTNER OF THE USH1G PROTEIN SANS  
*K. Bauß, T. Maerker, E. van Wijk, F. Kersten, R. Roepman, H. Kremer, U. Wolfrum, Mainz*
- T15-14B** MEASURING SPECTRAL INTENSITY THRESHOLDS BY INDUCING OPTOKINETIC REFLEX IN FRESH WATER TURTLES  
*F. Kretschmer, M. T. Ahlers, J. Ahrens, J. Ammermüller, J. Kretzberg, Oldenburg*
- T15-15B** NEURONAL CODING IN THE RETINA AND FIXATIONAL EYE MOVEMENTS  
*C. B. Mendl, T. Gollisch, Martinsried*

## Saturday

- T15-1C** OPTOMETRIC AND MR-IMAGE ANALYSIS OF THE VISUAL SYSTEM IN NF-KAPPA B KNOCKOUT MICE  
*R. Haenold, A. Kretz, K.-F. Schmidt, K.-H. Herrmann, M. Riemann, J. R. Reichenbach, S. Löwel, O. W. Witte, F. Weih, Jena*
- T15-2C** PATTERN DISCRIMINATION VS. SPATIAL LEARNING IN ZEBRA FINCHES (*TAENIOPYGIA GUTTATA*)  
*U. Mayer, S. Watanabe, H.-J. Bischof, Bielefeld*
- T15-3C** PHOSPHORYLATION OF THE HORIZONTAL CELL SPECIFIC CONNEXIN CPCX53.8 IN THE FISH RETINA: EFFECTS OF LIGHT, DOPAMINE AND ALL-TRANS RETINOIC ACID  
*S. Hermann, K. John, N. Mellies, N. Hoyer, R. Weiler, U. Janßen-Bienhold, Oldenburg*



- T15-4C** PHYSIOLOGICAL CONSEQUENCES OF HORIZONTAL CELL ABLATION IN ADULT LIVING MICE  
*K. Dedek, S. Sonntag, B. Dorgau, K. Cimiotti, K. Schultz, R. Weiler, K. Willecke, U. Janssen-Bienhold, Oldenburg*
- T15-5C** RESPONSE-TRIGGERED AVERAGES OF RETINAL GANGLION CELLS WITH INTRACELLULAR RECORDINGS  
*J. Shao, T. Gollisch, Martinsried*
- T15-6C** RETINAL AND TECTAL CONNECTIONS IN THE PADDLEFISH, *POLYODON SPATHULA*  
*V. Kassing, M. Hofmann, Bonn*
- T15-7C** SODIUM-DRIVEN CHLORIDE BICARBONATE EXCHANGER NCBE IN THE MOUSE RETINA  
*G. Hilgen, A. K. Huebner, R. Weiler, C. A. Hübner, K. Dedek, Oldenburg*
- T15-8C** SPATIOTEMPORAL ANALYSIS OF ELECTRICALLY EVOKED ACTIVITY IN THE CHICKEN MIDBRAIN SLICE  
*S. Weigel, S. Breitenbach, R. Wessel, H. Luksch, Freising-Weihenstephan*
- T15-9C** SPIKES IN RETINAL BIPOLAR CELLS GENERATE A TEMPORALLY PRECISE VISUAL CODE  
*T. Baden, F. Esposti, L. Lagnado, Cambridge, United Kingdom*
- T15-10C** STIMULUS CODING STRATEGIES OF FISH AND TURTLE RETINA: A COMPARATIVE STUDY  
*L. M. Juarez Paz, J. Kretzberg, Oldenburg*
- T15-11C** SUBCELLULAR DETERMINATION OF THE BBSOME IN PHOTORECEPTOR CELLS AND NON-CILIATED RETINAL NEURONS  
*B. Spitzbarth, G. Stern-Schneider, E. Sehn, U. Wolfrum, Mainz*
- T15-12C** THE USH1G PROTEIN SANS IS A MICROTUBULE-BINDING PROTEIN AND PART OF THE CYTOPLASMIC DYNEIN MOTOR IN MAMMALIAN PHOTORECEPTOR CELLS  
*N. Sorousch, N. Overlack, T. Märker, E. van Wijk, K. Bauß, F. Kersten, R. Roepman, H. Kremer, U. Wolfrum, Mainz*
- T15-13C** TRICHOSTATIN A INDUCES APOPTOSIS AT THE CONCENTRATION RECOMMENDED TO DIFFERENTIATE THE RGC-5 CELL LINE  
*S. Schnichels, M. Schultheiss, J. Hofmann, P. Szurman, K. U. Bartz-Schmidt, M. S. Spitzer, Tübingen*
- T15-14C** USH1C GENE REPAIR MEDIATED BY ZINC FINGER NUCLEASE INDUCED HOMOLOGOUS RECOMBINATION  
*N. Overlack, T. Goldmann, U. Wolfrum, K. Nagel-Wolfrum, Mainz*
- T15-15C** USH1C TRANSCRIPTS AND HARMONIN PROTEIN EXPRESSION IN PRIMATE PHOTORECEPTORS  
*M. Becker, T. Goldmann, K. Nagel-Wolfrum, N. Fuhrmann, U. Maas, E. Sehn, C. Müller, J. M. Vetter, U. Wolfrum, Mainz*

- T15-16C** IDENTIFICATION OF CONNEXINS IN PHOTORECEPTORS OF 129/SV MICE  
*P. Bolte, R. Herrling, U. Janssen-Bienhold, R. Weiler, Oldenburg*

## **T16: Vision: striate and extrastriate cortex, eye movement and visuomotor processing**

### **Thursday**

- T16-1A** A MINIMAL MODEL FOR SACCADIC INHIBITION  
*T. Backen, S. Treue, B. S. Krishna, Göttingen*
- T16-2A** A MODEL FOR THE INFLUENCE OF ADAPTATION ON THE REPRESENTATION OF INSTANTANEOUS SPEED CHANGES IN MACAQUE AREA MT  
*A. Traschütz, B. Habekost, F. O. Galashan, A. K. Kreiter, K. R. Pawelzik, U. E. Ernst, D. Wegener, Bremen*
- T16-3A** BLINDSIGHT DEPENDS ON THE LATERAL GENICULATE NUCLEUS  
*M. C. Schmid, S. Mrowka, J. Turchi, M. Wilke, R. Saunders, A. Peters, F. Ye, D. Leopold, Frankfurt/Main*
- T16-4A** CONTEXTUAL ASSOCIATION NETWORK AND THE PREDICTION OF MOVEMENTS IN NATURAL VISUAL SCENES  
*L. Muckli, F. Smith, F. Carvalho, Glasgow, United Kingdom*
- T16-5A** CORRELATIONS OF SIMULTANEOUSLY RECORDED NEURAL ACTIVITY IN MACAQUE PREFRONTAL CORTEX  
*F. Pieper, A. Sachs, J. C. Martinez-Trujillo, Hamburg*
- T16-6A** CROSS-FREQUENCY COUPLING OF EYE-MOVEMENT RELATED LFP ACTIVITIES OF FREELY VIEWING MONKEYS  
*J. Ito, P. Maldonado, S. Gruen, Wako, Japan*
- T16-7A** DOPAMINE AND SEROTONIN INVOLVEMENT IN NICOTINATION BEHAVIOR IN THE NEMATODE *PRISTIONCHUS PACIFICUS*  
*M. M. Rodriguez, F. Brown, R. Sommer, Bogotá, Colombia*
- T16-8A** EPHRIN-A5 AFFECTS THE LAMINAR ORGANISATION OF THE NEOCORTEX  
*K. Gerstmann, T. Köbe, J. Bolz, G. Zimmer, Jena*
- T16-9A** EXPERIENCE DEPENDENT PLASTICITY OF ORIENTATION PREFERENCE IN MOUSE VISUAL CORTEX  
*A. K. Kreile, T. Bonhoeffer, M. Hübener, Martinsried*
- T16-10A** FMRI-BASED RETINOTOPIC MAPPING AT 7 TESLA MAGNETIC FIELD STRENGTH – CONSERVATIVE THALAMOCORTICAL PROJECTIONS IN PATIENTS WITH ABNORMAL OPTIC NERVE PROJECTIONS  
*F. Kaule, A. Kumar, I. Gottlob, J. Stadler, B. Wolynski, O. Speck, M. Kanowski, S. Meltendorf, W. Behrens-Baumann, M. B. Hoffmann, Magdeburg*



## Friday

- T16-1B** FUNCTIONAL ORGANIZATION OF EXTRAOCULAR MUSCLES IN XENOPUS LAEVIS  
*M. Faust, A. K. Horn, H. Straka, Martinsried*
- T16-2B** IDENTIFICATION AND MAPPING OF SYNAPTIC INPUTS TO DENDRITIC SPINES  
*O. Gökce, T. Bonhoeffer, V. Scheuss, Martinsried*
- T16-3B** JUDGEMENTS OF AMOUNTS OF RANDOMLY DISTRIBUTED COLORED DOTS ARE NONLINEAR  
*W. G. Backhaus, Berlin*
- T16-4B** LOCALIZATION OF FLASHED STIMULI DURING ACCELERATED SMOOTH PURSUIT EYE MOVEMENTS  
*J. Hüsers, F. Bremmer, Marburg*
- T16-5B** LOOKING FOR CANDY: REAL-WORLD, FEATURE BASED SEARCH  
*G. Kugler, B. M. 't Hart, K. Bartl, S. Kohlbecher, F. Schumann, W. Einhäuser, T. Brandt, E. Schneider, München*
- T16-6B** MULTISENSORY INTEGRATION IN INTERMODAL AREAS OF THE RAT BRAIN  
*M. T. Lippert, K. Takagaki, C. Kayser, F. W. Ohl, Magdeburg*
- T16-7B** NEURAL MODEL FOR THE VISUAL TUNING PROPERTIES OF ACTION-SELECTIVE NEURONS IN MONKEY CORTEX  
*M. A. Giese, V. Caggiano, F. Fleischer, Tübingen*
- T16-8B** NYSTAGMUS GENERATED BY POSITIVE VISUAL FEEDBACK SYSTEM IN HEALTHY HUMANS  
*C.-C. Chen, D. Straumann, M. Y.-Y. Huang, Zürich, Switzerland*
- T16-9B** OPTICAL IMAGING OF RETINOTOPIC MAPS IN A SMALL SONGBIRD, THE ZEBRA FINCH  
*N. Keary, J. Voss, K. Lehmann, S. Löwel, H.-J. Bischof, Bielefeld*

## Saturday

- T16-1C** PERCEPTUAL AND FMRI EVIDENCE FOR FILLING-IN OF THE ROD SCOTOMA UNDER SCOTOPIC CONDITIONS  
*A. A. Brewer, B. Barton, Irvine, USA*
- T16-2C** PERCEPTUAL SENSITIVITY TO STATISTICAL REGULARITIES IN NATURAL IMAGES  
*H. E. Gerhard, T. Wiecki, F. Wichmann, M. Bethge, Tübingen*
- T16-3C** PINWHEEL CARTOGRAPHY: VISUAL FIELD MAP CLUSTERS IN VENTRAL-, MEDIAL-, AND LATERAL-OCCIPITAL CORTEX  
*B. Barton, A. A. Brewer, Irvine, USA*
- T16-4C** REDUCED CORTICAL PLASTICITY AND IMPAIRED SENSORY LEARNING IN YOUNG ADULT BASSOON MUTANT MICE  
*B. Goetze, K.-F. Schmidt, W. D. Altmann, E. D. Gundelfinger, C. Giampà, F. R. Fusco, S. Löwel, Göttingen*

- T16-5C** SIMILAR ERRORS IN HUMAN AND COMPUTATIONAL FACE-DETECTION  
*T. G. Abresch, B. M. 't Hart, W. Einhäuser, Marburg*
- T16-6C** SPINAL Efference COPY SIGNALING AND GAZE STABILIZATION DURING LOCOMOTION IN *XENOPUS* FROGS: DEVELOPMENTAL PLASTICITY OF SPINO-EXTRAOCULAR MOTOR COUPLING DURING METAMORPHOSIS  
*G. von Uckermann, F. Lambert, D. Le Ray, H. Straka, J. Simmers, D. Combes, Bordeaux, France*
- T16-7C** STIMULUS STRENGTH MODULATES THE SYNAPTIC CORRELATION BETWEEN INDIVIDUAL NEURONS AND POPULATION ACTIVITY IN MACAQUE AREA MT  
*L. Busse, M. R. Daliri, S. Katzner, S. Treue, Tübingen*
- T16-8C** SURROUND SUPPRESSION OF ACROSS-TRIAL VARIABILITY IN MACAQUE LIP  
*B. S. Krishna, A. L. Falkner, M. E. Goldberg, Göttingen*
- T16-9C** THE REPRESENTATION OF VISUAL SPACE IN MACAQUE AREAS V1 AND V4 DURING SACCADE ADAPTATION  
*S. Klingenhoefer, M. Wittenberg, T. Wachtler, F. Bremmer, Marburg*
- T16-10C** THE TIME SCALES OF NEURAL CODING IN AUDITORY AND VISUAL CORTICES OF THE PRIMATE  
*C. Kayser, A. Mazzoni, N. K. Logothetis, P. Stefano, Tübingen*
- T16-11C** VISION AND VISUAL PLASTICITY IN BALB/C MICE  
*K. Lehmann, N. Yeritsyan, O. Puk, J. Graw, S. Löwel, Jena*

## T17: Auditory mechanoreceptors, vestibular, cochlea, lateral line and active sensing

### Thursday

- T17-1A** A SYNCHRONY POPULATION-CODE FOR COMMUNICATION SIGNALS IN WEAKLY-ELECTRIC FISH DEPENDS ON SOCIAL CONTEXT  
*H. Walz, J. Grewe, J. Benda, Martinsried*
- T17-2A** AGE-RELATED HEARING LOSS (ARHL) IN *DROSOPHILA MELANOGASTER*  
*D. Piepenbrock, M. Göpfert, Göttingen*
- T17-3A** ANATOMY AND FUNCTION OF THE SECONDARY AUDITORY NEURONS IN THE FRUIT FLY BRAIN  
*A. Kamikouchi, K. Hikita, H. Mizuno, H. Seki, H. Miyakawa, K. Ito, T. Morimoto, Tokyo, Japan*



- T17-4A** AUDITORY MECHANICS OF BUSHCRICKETS IN-VIVO  
*A. Palghat Udayashankar, M. Kössl, M. Nowotny, Frankfurt/Main*
- T17-5A** CERCAL WIND-SENSING SYSTEM OF CRICKETS: INVESTIGATING THE SENSORY NEURONS  
*A. N. Vollmayr, J. P.-M. Franosch, J. L. van Hemmen, M. Gebhardt, Garching*
- T17-6A** CUBIC AND QUADRATIC DISTORTION-PRODUCT OTO-ACOUSTIC EMISSIONS (DPOAE) IN AWAKE AND ANESTHETIZED SHORT-TAILED FRUIT BATS  
*D. Schlenther, C. Voß, M. Kössl, Frankfurt/Main*
- T17-7A** DIFFERENTIAL EXPRESSION AND LOCALIZATION OF GLYCINE TRANSPORTERS GLYT1 AND GLYT2 IN THE MURINE COCHLEA  
*S. Buerbank, J. Długaiczek, B. Schick, H. Schulze, Erlangen*
- T17-8A** DOES THE AUDITORY NERVE ACTIVITY REFLECT THE TYMPANAL MEMBRANE MOTION IN BUSHCRICKETS?  
*J. Hummel, M. Kössl, M. Nowotny, Frankfurt/Main*
- T17-9A** EFFECT OF TEMPERATURE ON AUDITORY RECEPTORS, LOCAL AND ASCENDING INTERNEURONS IN THE LOCUST  
*M. J. Eberhard, F. A. Roemschied, B. Ronacher, S. Schreiber, Berlin*
- T17-10A** EFFECTS OF ELEVATED CGMP LEVELS ON THE BIOPHYSICAL PROPERTIES OF BK CURRENTS IN MATURE MOUSE INNER HAIR CELLS  
*B. Disteldorf, N. Brandt, J. Engel, Homburg*

## Friday

- T17-1B** EPS8 REGULATES HAIR BUNDLE LENGTH AND THE FUNCTIONAL MATURATION OF MAMMALIAN COCHLEAR HAIR CELLS  
*W. Marcotti, V. Zampini, L. Rüttiger, S. L. Johnson, C. Franz, D. N. Furness, H. Xiong, C. C. Hackney, M. C. Holley, N. Offenhauser, P. P. Di Fiore, M. Knipper, S. Masetto, Sheffield, United Kingdom*
- T17-2B** EXPLORING AUDITION: USING MICROARRAY TO DISCOVER NOVEL AUDITORY GENES IN DROSOPHILA  
*P. R. Senthilan, D. Piepenbrock, S. Pauls, G. Ovezmyradov, M. Göpfert, Göttingen*
- T17-3B** FUNCTIONAL CONNECTIVITY AND TEMPORAL SELECTIVITY DEPEND ON CARRIER FREQUENCY IN THE AUDITORY SYSTEM OF CRICKETS  
*J. Clemens, F. Rau, K. J. Hildebrandt, R. M. Hennig, Berlin*
- T17-4B** IN VITRO AND IN VIVO STUDIES ON BIODEGRADABLE POLYMERS AS POTENTIAL CARRIER'S COATING FOR COCHLEAR IMPLANTS  
*P. Ceschi, H. Rohm, A. Roock, K. Sternberg, K.-P. Schmitz, M. Kietzmann, T. Lenarz, T. Stöver, G. Paasche, Hannover*

- T17-5B** INTERAURAL-CANAL EFFECTS IN THE CHICKEN WITH CLOSED SOUND SYSTEMS IN VIVO  
*C. Köppl, Oldenburg*
- T17-6B** NEUROTROPHINS AND CALCIUM CHANNELS FUNCTION IN THE AUDITORY SYSTEM: HELP FROM CONDITIONAL KNOCK OUT MOUSE MODELS  
*A. Zuccotti, W. Singer, L. Rüttiger, S. Moosmang, E. Friauf, T. Schimmang, M. Knipper, Tübingen*
- T17-7B** PATTERNING OF SPONTANEOUS ACTION POTENTIALS IN IMMATURE INNER HAIR CELLS IS DETERMINED BY ACETYLCHOLINE AND VARIES AS A FUNCTION OF COCHLEAR LOCATION  
*S. L. Johnson, T. Eckrich, V. Zampini, S. Kuhn, C. Franz, K. M. Ranatunga, S. Masetto, M. Knipper, C. J. Kros, W. Marcotti, Sheffield, United Kingdom*
- T17-8B** SHAKING A LEG FOR EVOLUTION  
*J. Heusler, A. Rösler, L.-H. Reinhard, Gießen*
- T17-9B** SLOW CURRENTS MEDIATING SPIKE-FREQUENCY ADAPTATION SHAPE SPIKE-TIMING VARIABILITY  
*K. Fisch, A. Herz, J. Benda, Martinsried*
- T17-10B** SPATIAL RESPONSES OF LATERAL LINE UNITS IN THE MIDBRAIN OF *XENOPUS LAEVIS* DEPEND ON THE FREQUENCY OF INCOMING SURFACE WAVES  
*F. Branoner, Z. Zhivkov, U. Ziehm, O. Behrend, Berlin*

## Saturday

- T17-1C** SYNCHRONY CODES IN A HETEROGENEOUS POPULATION OF AUDITORY RECEPTOR NEURONS  
*C. M. Pix, J. Benda, München*
- T17-2C** TEMPERATURE DEPENDENCE OF DPOAES IN GRASSHOPPERS  
*J. Lang, M. Kössl, M. Nowotny, Frankfurt/Main*
- T17-3C** THE COMPLEX TIBIAL ORGAN OF A SPLAY-FOOTED CRICKET, *COMICUS CALCARIS*: COMPARATIVE NEUROANATOMY AND THE RECONSTRUCTION OF AUDITORY EVOLUTION IN *ENSIFERA*  
*J. Strauss, R. Lakes-Harlan, Stockholm, Sweden*
- T17-4C** THE MESENCEPHALON OF A MORMYRID – SENSORY PROCESSING DURING ACTIVE ELECTROLOCATION IN THE WEAKLY ELECTRIC FISH *GNATHONEMUS PETERSII*  
*T. Ruhl, C. Mohr, G. von der Emde, Bonn*
- T17-5C** TONOTOPY AND INTERNEURONAL INTERACTION IN THE AUDITORY BRAINSTEM IS SHAPED BY HEARING EXPERIENCE: A C-FOS STUDY IN THE RAT  
*N. Rosskothén-Kuhl, R.-B. Illing, Freiburg*
- T17-6C** TOWARDS AUTONOMOUS LARGE SCALE RECORDINGS OF NATURAL BEHAVIOR OF WEAKLY ELECTRIC FISH  
*J. Henninger, R. Krahe, J. Benda, Martinsried*



- T17-7C** TRANSFORMATION OF AUDITORY INFORMATION IN THE CNS OF THE GRASSHOPPER *CHORTHIPPUS BIGUTTULUS*  
*O. Kutzki, B. Ronacher, Berlin*
- T17-8C** TRAUMA-INDUCED TINNITUS IN GERBILS CENTERS AROUND THE INDUCTION FREQUENCY  
*M. Remus, B. Gaese, M. Kössl, M. Nowotny, Frankfurt/Main*
- T17-9C** VIBRATORY SENSE ORGANS IN THE LEGS OF THE MANTID *HIERODULA MEMBRANACEA*  
*R. Lakes-Harlan, S. Gräbener, C. Meister, Gießen*
- T17-10C** DISSECTING THE POSSIBLE ROLE OF DYNEINS IN CILIARY MOTILITY OF *DROSOPHILA* AUDITORY NEURONS  
*S. Karak, D. Piepenbrock, P. Senthilan, D. Eberl, M. Göpfert, Göttingen*

## T18: Auditory system: subcortical and cortical processing

### Thursday

- T18-1A** A COMPARATIVE STUDY OF THE TORUS SEMICIRCULARIS IN ACTINOPTERYGIAN FISH  
*W. M. Lüdtke, M. Hofmann, Bonn*
- T18-2A** A NEW APPROACH FOR PREDICTING BINAURAL DETECTION THRESHOLDS FOR SOUNDS IN QUIET FROM THE MONAURAL THRESHOLDS  
*H. Neubauer, P. Heil, Magdeburg*
- T18-3A** ACTIVATION OF PRIMARY AUDITORY CORTEX AND POSTERIOR AUDITORY FIELD EVOKED BY BINAURAL CUES IN ADULT CONGENITALLY DEAF CATS  
*P. Hubka, J. Tillein, A. Kral, Hannover*
- T18-4A** ANATOMICAL ORGANISATION OF THE AUDITORY THALAMOCORTICAL SYSTEM IN THE MONGOLIAN GERBIL (*MERIONES UNGUICULATUS*)  
*K. Saldeitis, M. Happel, F. Ohl, H. Scheich, E. Budinger, Magdeburg*
- T18-5A** AUDITORY GATING IN THE STRIATUM AND AUDITORY CORTEX: DYNAMICS OF CORTICAL AND STRIATAL INTERACTIONS AND THE EFFECTS OF DISCRIMINATION LEARNING  
*M. L. Woldeit, A. L. Schulz, F. W. Ohl, Magdeburg*
- T18-6A** AUDITORY INTERACTIONS DURING DIRECTION DISCRIMINATION OF FREQUENCY-MODULATED TONES IN HUMANS  
*A. Brodski, B. H. Gaese, Frankfurt/Main*
- T18-7A** BIRDSONG AND MELATONIN  
*S. Selmann, L. Trost, R. Jansen, S. Deregnacourt, A. ter Maat, M. Gahr, Seewiesen*



- T18-8A** CHARACTERIZATION OF A GFP-EXPRESSING PSEUDO-RABIES VIRUS (PRV-152) AS A POTENTIAL VIRAL VECTOR IN MONGOLIAN GERBILS  
*C. Porres, I. Siveke, A. Kaiser, B. Grothe, F. Felmy, München*
- T18-9A** CHEMICAL HETEROGENEITY OF EXTRACELLULAR MATRIX IN THE MICE MNTB  
*M. Blosa, G. Seeger, G. Brückner, R. Rübsamen, T. Arendt, M. Morawski, Leipzig*
- T18-10A** CIRCUITRY ANALYSIS OF THE CENTRAL NUCLEUS OF THE INFERIOR COLLICULUS OF MONGOLIAN GERBILS  
*L. Yassin, F. Felmy, Martinsried*
- T18-11A** CODING OF COMPLEX OBJECTS IN THE AUDITORY MIDBRAIN OF AWAKE AND BEHAVING BATS  
*U. Firzlaff, L. Wiegrebe, S. Hoffmann, Freising*
- T18-12A** COMPARISON OF APPETITIVE AND AVERSIVE REINFORCEMENT IN AN AUDITORY DISCRIMINATION TASK IN MICE  
*A. Kolodziej, W. Wetzel, J. Goldschmidt, F. W. Ohl, Magdeburg*
- T18-13A** CONTEXT-DEPENDENCE OF STRF-CHARACTERISTICS OF PRIMARY AUDITORY CORTICAL NEURONS  
*J.-P. Diepenbrock, M. F. Happel, A. F. Meyer, J. Anemüller, A. F. Ohl, Magdeburg*
- T18-14A** DEVELOPMENT AND FUNCTION OF VOLTAGE-GATED CALCIUM CHANNELS IN THE LATERAL SUPERIOR OLIVE OF THE MONGOLIAN GERBIL  
*M. C. Ford, V. Egger, B. Grothe, U. Koch, Martinsried*
- T18-15A** DEVELOPMENT OF SYNAPTIC INPUTS TO THE DORSAL NUCLEUS OF THE LATERAL LEMNISCUS OF MONGOLIAN GERBILS  
*J. J. Ammer, B. Grothe, F. Felmy, München*
- T18-16A** DIRECT ELECTRICAL EFFECTS ON THE MACAQUE'S AUDITORY CORTEX INDUCED BY ACTIVATION OF THE DOPAMINERGIC VENTRAL MESENCEPHALON  
*J. Mylius, A. G. Gorkin, M. Babanin, M. Brosch, Magdeburg*
- T18-17A** DISTRIBUTION OF CALCIUM-BINDING PROTEINS IN THE AUDITORY CORTEX AND MEDIAL GENICULATE BODY IN ADULT AND JUVENILE SHORT-TAILED FRUIT BATS  
*J. Heyd, M. Vater, Potsdam*
- T18-18A** EFFECT OF HARMONICITY ON THE DETECTION OF A SIGNAL IN A COMPLEX MASKER AND ON SPATIAL RELEASE FROM MASKING  
*A. Klinge, R. Beutelmann, G. M. Klump, Oldenburg*
- T18-19A** EFFECTS OF CORTICAL COOLING ON SINGLE UNIT RESPONSES IN AUDITORY THALAMUS OF AWAKE MARMOSETS  
*M. Jeschke, F. W. Ohl, X. Wang, Magdeburg*



## Friday

- T18-1B** EFFECTS OF HEARING AIDS USE ON SOUND PROCESSING IN PRIMARY AUDITORY CORTEX OF MONGOLIAN GERBILS  
*K. Tziridis, S. Ahlf, H. Schulze, Erlangen*
- T18-2B** EFFECTS OF MOTION HISTORY ON MOTION-ONSET AUDITORY EVOKED POTENTIALS  
*R. Grzeschik, M. Böckmann-Barthel, R. Mühler, M. B. Hoffmann, Magdeburg*
- T18-3B** ELECTROPHYSIOLOGICAL CHARACTERIZATION OF AN FMRI-IDENTIFIED VOICE-PREFERRING REGION  
*C. Perrodin, C. Kayser, N. K. Logothetis, C. I. Petkov, Tübingen*
- T18-4B** FACTORS CONTROLLING THE INPUT-OUTPUT RELATION OF SPHERICAL BUSHY CELLS IN THE GERBIL COCHLEAR NUCLEUS  
*T. Kuenzel, J. G. Borst, M. van der Heijden, Rotterdam, The Netherlands*
- T18-5B** FUNCTIONAL MICROCIRCUITRY OF SPECTRAL INTEGRATION AND PERCEPTUAL RELEVANCE OF RECURRENT CORTICOTHALAMIC LOOPS IN PRIMARY AUDITORY CORTEX  
*M. Happel, M. Jeschke, J. Handschuh, M. Deliano, F. W. Ohl, Magdeburg*
- T18-6B** IMPLICATIONS OF STIMULUS-LEVEL AND INTER-STIMULUS-INTERVAL ON ADAPTATION IN THE BARN OWL'S AUDITORY MIDBRAIN  
*R. Ferger, M. Singheiser, M. von Campenhausen, H. Wagner, Aachen*
- T18-7B** INTERACTION (COLLISION) OF ACOUSTIC AND DIRECT ELECTRIC CORTICAL STIMULATION OF GERBIL PRIMARY AUDITORY CORTEX AI  
*A. Engelhorn, M. Deliano, F. W. Ohl, Magdeburg*
- T18-8B** INTERACTIONS REVEALED BY FUNCTIONAL RECEPTOR AND SYNAPSES DISTRIBUTIONS IN MEDIAL SUPERIOR OLIVE NEURONS OF THE ADULT MONGOLIAN GERBIL  
*K. A. Couchman, B. Grothe, F. Felmy, München*
- T18-9B** LAYER-SPECIFIC INTRINSIC PROPERTIES OF PYRAMIDAL NEURONS AND INTERNEURONS IN THE AUDITORY CORTEX OF MICE  
*A. Abraham, H. Niekisch, F. Hetsch, M. Vater, Potsdam*
- T18-10B** LAYER-SPECIFIC PROCESSING OF WRIGGLING CALLS IN THE AUDITORY CORTICAL FIELDS OF MOTHER MICE  
*D. B. Geissler, Ulm*
- T18-11B** LAYER-SPECIFIC PUP CALL PROCESSING IN AUDITORY CORTICAL FIELDS DURING THE MOUSE ESTROUS CYCLE  
*C. Schmid, G. Ehret, Ulm*

- T18-12B** LOCALIZATION OF FREQUENCY MODULATED TONES IN BARN OWLS  
*L. Kettler, K. Vonderschen, H. Wagner, Aachen*
- T18-13B** LOSS OF CAV1.3 CALCIUM CHANNELS LEADS TO IMPAIRED DEVELOPMENT OF A TOPOGRAPHIC INHIBITORY PROJECTION IN THE AUDITORY BRAINSTEM  
*J. Hirtz, K. Janz, D. Griesemer, E. Friauf, Kaiserslautern*
- T18-14B** MMP-2, BUT NOT MMP-9 EXPRESSION PATTERN DEPENDS ON THE ARRIVAL OF GAP-43 POSITIVE AXONS IN THE COCHLEAR NUCLEUS AFTER COCHLEAR ABLATION IN RAT  
*M. Fredrich, R. B. Illing, Freiburg*
- T18-15B** MODELLING ASYMMETRY OF ITD TUNING CURVES IN THE AAR OF THE BARN OWL VIA FREQUENCY INTEGRATION  
*J. A.-F. Lehmann, P. Tellers, H. Wagner, H. Führ, Aachen*
- T18-16B** MODULATION OF AUDITORY MISMATCH NEGATIVITY USING MUSCARINIC DRUGS IN AWAKE RATS  
*F. Jung, R. Moran, T. Kumagai, H. Endepols, K. E. Stephan, R. Graf, M. Tittgemeyer, Köln*
- T18-17B** MULTIMODAL THALAMOCORTICAL CONNECTIONS OF PRIMARY SENSORY CORTICES IN THE MONGOLIAN GERBIL  
*J. Henschke, H. Scheich, E. Budinger, Magdeburg*
- T18-18B** NEURAL REPRESENTATION OF ECHOES IN THE AUDITORY CORTEX OF THE FERRET  
*S. Tolnai, N. C. Rabinowitz, B. D. Willmore, R. Y. Litovsky, A. J. King, Oxford, United Kingdom*

## Saturday

- T18-1C** NEURONAL PLASTICITY INDUCED IN AUDITORY CORTEX OF MONGOLIAN GERBILS WITH CENTRAL TINNITUS  
*S. Ahlf, K. Tziridis, H. Schulze, Erlangen*
- T18-2C** NEURONAL RESPONSE PROPERTIES TO TONES AND COMPLEX COMMUNICATION SOUNDS IN SECONDARY FIELD (AII) OF THE AWAKE MOUSE AUDITORY CORTEX DURING THE ESTROUS CYCLE  
*M. Glowina, G. Ehret, S. Kurt, Ulm*
- T18-3C** NEUROPROTEOMICS IN THE RAT AUDITORY BRAINSTEM: IDENTIFYING REGION-TYPICAL PROTEIN PROFILES  
*C. Moritz, E. Friauf, Kaiserslautern*
- T18-4C** ORIGIN OF THE NEUROPHONIC: LINEAR SUMMATION OF THE MONAURAL RESPONSES PREDICTS THE BINAURAL RESPONSE IN THE NUCLEUS LAMINARIS OF THE BARN OWL  
*P. T. Kuokkanen, C. E. Carr, H. Wagner, R. Kempter, Berlin*
- T18-5C** PHYSIOLOGY OF THE FEMORAL CHORDOTONAL ORGAN OF ADULT *DROSOPHILA MELANOGASTER*  
*C. Lefevre, R. Lakes-Harlan, Gießen*



- T18-6C** POSTNATAL DEVELOPMENT OF DELAY-SENSITIVE NEURONS IN THE AUDITORY CORTEX OF THE SHORT-TAILED FRUIT BAT  
C. Voss, M. Kössl, Frankfurt/Main
- T18-7C** RATS W/ OR W/O TINNITUS UNRAVEL A TINNITUS SPECIFIC TRAIT  
L. Rüttiger, W. Singer, A. Zuccotti, M. Matsumoto, M. Knipper, Tübingen
- T18-8C** RESPONSE PROPERTIES OF NEURONS IN AUDITORY CORTICAL FIELDS OF AWAKE MICE (*MUS MUSCULUS*)  
S. Kurt, B. Joachimsthaler, M. Glowina, F. Miller, A. L. Dornn, G. Ehret, Ulm
- T18-9C** SONG PATTERN RECOGNITION OF SELECTIVELY PERTURBATED SIGNALS IN GRASSHOPPERS  
S. Krämer, B. Ronacher, Berlin
- T18-10C** SPATIAL RESOLUTION OF BAT SONAR  
L. Wiegrebe, C. Geberl, Martinsried
- T18-11C** SPATIO-TEMPORAL FEATURES OF STIMULUS-RELATED ACTIVITY IN THE INFERIOR COLLICULUS  
D. Lyzwa, D. Bibichkov, H. H. Lim, J. M. Herrmann, Göttingen
- T18-12C** SPATIO-TEMPORAL TUNING OF NEURONS IN THE AUDITORY SYSTEM OF ECHOLOCATING BATS: CODING OF REFLECTIONS FROM WATER SURFACES?  
S. Hoffmann, S. Prosch, U. Firzloff, L. Wiegrebe, Martinsried
- T18-13C** STEROID HORMONES AS MODULATORS OF AUDIO-MOTOR INTEGRATION IN THE MIDBRAIN OF ANURAN AMPHIBIANS  
C. Legler, S. Huggenberger, W. Walkowiak, Köln
- T18-14C** STIMULUS SPECIFIC ADAPTATION TO FMS IN THE AWAKE RAT AUDITORY CORTEX  
C. Klein, W. von der Behrens, B. H. Gaese, Frankfurt/Main
- T18-15C** STIMULUS-SPECIFIC ADAPTATION IN THE GERBIL PRIMARY AUDITORY THALAMUS IS THE RESULT OF A FAST FREQUENCY-SPECIFIC HABITUATION AND IS REGULATED BY THE CORTICOFUGAL SYSTEM  
P. Bäuerle, W. von der Behrens, M. Kössl, B. H. Gaese, Frankfurt/Main
- T18-16C** SYNAPTOPORIN AND TIP39 IN THE AUDITORY BRAINSTEM - PARTNERS IN PROCESSING MULTIMODAL INFLUENCES?  
D. Linsmayer, U. Stier, J. Braun, S. Reuss, Mainz
- T18-17C** THE CRICKET AUDITORY SYSTEM RESPONDS TO BILATERAL PHASE-SHIFTS  
K. M. Seagraves, B. Shelton, C. Zhang, T. Bayley, S. Schoen-  
eich, B. Hedwig, Cambridge, United Kingdom
- T18-18C** THE RISE AND FALL OF AN EXPERIMENTAL PARADIGM: ORIENTING ASYMMETRIES AND LATERALIZED PROCESSING OF SOUNDS  
J. Fischer, R. I. Schubotz, C. Teufel, Göttingen

## T19: Chemical senses: olfaction, taste, others

### Thursday

- T19-1A** ACID-SENSING IN THE MOUSE VOMERONASAL ORGAN  
*A. Cichy, J. Spehr, M. Spehr, Aachen*
- T19-2A** AGE-RELATED CHANGES IN THE TOTAL NUMBER OF OLFACTORY MICROGLOMERULI IN THE MUSHROOM BODIES OF THE CARPENTER ANT *CAMPONOTUS FLORIDANUS*  
*C. S. Bedel, C. Groh, C. Kelber, W. Rössler, Würzburg*
- T19-3A** ANALYSIS OF CAMP SIGNALING IN OLFACTORY SIGNAL TRANSDUCTION IN *DROSOPHILA* LARVAE  
*U. Pech, A. Pooryasin, A. Fiala, Göttingen*
- T19-4A** ANATOMICAL CHARACTERIZATION OF INTRINSIC NEURONS IN OLFACTORY AND VISUAL COMPARTMENTS OF THE MUSHROOM-BODY CALYX IN THE HONEYBEE, *APIS MELLIFERA*  
*S. Rippl, J. Kropf, W. Rössler, Würzburg*
- T19-5A** BIOLOGICAL FUNCTION OF ODORANT BINDING PROTEINS IN *TRIBOLIUM CASTANEUM*  
*S. Dippel, M. Kollmann, J. Schachtner, S. Schütz, E. A. Wimmer, Göttingen*
- T19-6A** BRAIN ARCHITECTURE OF *NEBALIA* CF. *HERBSTII* (CRUSTACEA, LEPTOSTRACA)  
*M. Kenning, S. Harzsch, Greifswald*
- T19-7A**  $CA^{2+}$  SIGNALS IN GENETICALLY LABELED GNRH RECEPTOR NEURONS IN MOUSE BRAIN SLICES  
*C. Schauer, O. Mai, I. N. Götze, S. Wen, U. Boehm, T. Leinders-Zufall, Homburg*
- T19-8A** CENTRIFUGAL OLFACTORY INFORMATION TO THE HONEYBEE ANTENNAL LOBE  
*M. F. van de Sand, C. G. Galizia, C. C. Girardin, Konstanz*
- T19-9A** CHEMOPERCEPTION IN THE HUMAN SKIN  
*D. Busse, A. C. Sondersorg, H. Hatt, H. Benecke, Bochum*
- T19-10A** CHEMOSENSORY RECEPTORS OF *LEPISMACHILIS Y-SIGNATA* (INSECTA: ARCHAEOGNATHA)  
*C. Mißbach, E. Grosse-Wilde, B. S. Hansson, Jena*
- T19-11A** COLONY RECOGNITION IN SOCIAL INSECTS AS A NEW MODEL FOR QUALITY CODING OF MULTI-COMPONENT ODORS  
*A. S. Brandstaetter, W. Rössler, C. J. Kleineidam, Würzburg*
- T19-12A** COMPARATIVE BRAIN MORPHOLOGY IN REPRESENTATIVES OF THE DIPLOPODA WITH A FOCUS ON THE CENTRAL OLFACTORY PATHWAY  
*F. Seefluth, A. Sombke, S. Harzsch, Greifswald*



- T19-13A** DISTINCT POPULATIONS OF BITTER TASTE RECEPTOR CELLS IN MICE  
*S. Hübner, S. Frenzel, A. Voigt, M. Narukawa, K. Loßow, U. Boehm, A. W. Meyerhof, Nuthetal*
- T19-14A** ECTOPICALLY EXPRESSED OLFACTORY RECEPTORS  
*M. Osterloh, E. Guschina, H. Hatt, Bochum*
- T19-15A** EFFECT OF TRP AGONISTS UPON HUMAN KCNK CHANNELS  
*L. R. Beltrán, M. Ferreira, G. Gisselmann, H. Hatt, Bochum*
- T19-16A** EFFECTS OF BRIEF SENSORY EXPERIENCE ON THE SENSITIVITY OF MALE MOTHS TO CHEMICAL CUES: „GENERAL SENSITIZATION“ OR „SELECTIVE ATTENTION“?  
*S. A. Minoli, V. Colson, V. Party, M. Renou, F. Marion-Poll, S. Anton, Versailles, France*
- T19-17A** ELECTROPHYSIOLOGICAL INVESTIGATION OF MITRAL CELL SIGNALING PROPERTIES IN THE MOUSE ACCESSORY OLFACTORY BULB  
*M. Gorin, S. Hagedorf, M. Spehr, Aachen*
- T19-18A** ENDOCANNABINOID ACTION IN THE OLFACTORY EPITHELIUM OF *XENOPUS LAEVIS* TADPOLES  
*E. Breunig, I. Manzini, F. Piscitelli, B. Gutermann, V. Di Marzo, D. Czesnik, D. Schild, Göttingen*
- T19-19A** EXPLORING THE PROPERTIES OF TMEM16B IN CILIA OF OLFACTORY SENSORY NEURONS  
*B. Toetter, S. Rasche, S. Oberland, T. Pelz, E. M. Neuhaus, Berlin*
- T19-20A** EXPRESSION OF ODORANT BINDING PROTEINS AND OLFACTORY RECEPTORS IN THE ANTENNA OF THE MALARIA MOSQUITO, *ANOPHELES GAMBIAE*  
*J. Krieger, M. Forstner, A. Schultze, D. Schymura, Stuttgart*
- T19-21A** EXPRESSION OF THE IMMEDIATE EARLY GENE EGR1 (KROX-24, ZIF 268, NGFI-A AND ZENK) AS NEURONAL ACTIVITY MARKER IN ZEBRAFISH (*DANIO RERIO*)  
*S. Kress, M. Wullmann, Martinsried*
- T19-22A** EXPRESSION OF VOLTAGE GATED SODIUM CHANNELS IN IDENTIFIED GRANULE CELLS OF THE MOUSE OLFACTORY BULB  
*D. Nunes, T. Kuner, Heidelberg*
- T19-23A** FORMATION AND ACTIVATION OF OR37 GLOMERULI  
*V. Bautze, R. Bär, H. Breer, J. Strotmann, Stuttgart*
- T19-24A** GENE EXPRESSION PATTERNS ON ANTENNAL RNA OF THE LEAF-CUTTING ANT *ATTA VOLLENWEIDERI*  
*S. Koch, C. J. Kleineidam, E. Grosse-Wilde, Konstanz*
- T19-25A** IDENTIFICATION OF NOVEL OLFACTORY RECEPTOR INTERACTION PARTNERS  
*S. Oberland, T. Pelz, B. Toetter, E. M. Neuhaus, Berlin*

- T19-26A** IMMUNOCYTOCHEMICAL DESCRIPTION OF SEROTONERGIC NEURONS IN THE CENTRAL NERVOUS SYSTEM OF REMIPEDIA (CRUSTACEA)  
*T. Stemme, S. Harzsch, G. Bicker, S. Koenemann, Hannover*
- T19-27A** IS THE NEURONAL LAYERING OF THE OLFACTORY BULB SEX-DEPENDENT?  
*E. Weiler, W. Bennegger, Bochum*
- T19-28A** ACTIVATION OF THE TRIGEMINAL SYSTEM BY ODOROUS SUBSTANCES – AN IN VIVO AND IN VITRO STUDY  
*M. Luebbert, M. Rothermel, K. P. Hoffmann, H. Hatt, Bochum*
- T19-29A** ANALYSIS OF THE TRIGEMINAL TRANSCRIPTOME BY DNA-ARRAY AND NEXT GENERATION SEQUENCING METHODS  
*G. Gisselmann, B. Schreiner, N. Schöbel, R. Lehmann, M. Werner, H. Hatt, Bochum*
- T19-30A** DO ANTENNAL LOBE OUTPUT NEURONS EMPLOY A LATENCY CODE?  
*T. Rosenbaum, M. F. Brill, W. Rössler, M. P. Nawrot, Würzburg*
- T19-31A** SIMULTANEOUS RECORDINGS FROM MULTIPLE PROJECTION NEURONS IN THE DUAL OLFACTORY PATHWAY OF THE HONEYBEE  
*M. F. Brill, I. Reus, T. Rosenbaum, C. J. Kleineidam, W. Rössler, Würzburg*

## Friday

- T19-1B** IN VIVO  $Ca^{2+}$  IMAGING OF JUXTAGLOMERULAR NEURONS IN THE MOUSE OLFACTORY BULB  
*Y. Kovalchuk, R. Homma, A. Konnerth, L. Cohen, O. Garaschuk, Tübingen*
- T19-2B** INFORMATION PROCESSING IN *DROSOPHILA* OLFACTORY SYSTEM: AN INFORMATION-THEORETIC PERSPECTIVE  
*F. Faghihi, Göttingen*
- T19-3B** INVESTIGATING THE OLFACTORY SYSTEM OF VITAMIN A DEFICIENT MICE  
*S. Kurtenbach, T. Pelz, H. Hatt, E. M. Neuhaus, Dortmund*
- T19-4B** INVESTIGATION ON THE MECHANISMS OF CHEMOPERCEPTION IN HUMAN SKIN  
*A. C. Sondersorg, D. Busse, M. Rothermel, H. Hatt, H. Benecke, Bochum*
- T19-5B** INVOLVEMENT OF A G-PROTEIN IN THE DETECTION OF CHEMOSENSORY SIGNALS AND IN THE MODIFICATION OF AGGRESSIVE BEHAVIOR  
*P. Chamero, V. Katsoulidou, P. Hendrix, B. Bufe, L. Birnbaumer, F. Zufall, T. Leinders-Zufall, Homburg*
- T19-6B** ION CHANNEL PROPERTIES OF THE *DROSOPHILA* ODORANT RECEPTOR PROTEIN OR83B  
*V. Sargsyan, B. S. Hansson, D. Wicher, Jena*



- T19-7B** ISOMER-SPECIFICITY IN RESPONSE TO HERBIVORE-INDUCED PLANT VOLATILES IN THE ANTENNAL LOBE OF *MANDUCA SEXTA*  
*A. Henning, S. Bisch-Knaden, A. Reinecke, S. Sachse, B. S. Hansson, Jena*
- T19-8B** MAPPING OF WATERBORNE ODORANTS TO SUBSYSTEMS OF THE OLFACTORY SYSTEM  
*S. Gliem, E. Kludt, D. Schild, I. Manzini, Göttingen*
- T19-9B** MECHANISMS OF ODOR-GUIDED ORIENTATION BEHAVIOR IN ANTS  
*S. Neupert, C. J. Kleineidam, Konstanz*
- T19-10B** MIND THE GAP: OLFACTORY TRACE CONDITIONING IN HONEYBEES  
*P. Szyszka, C. Demmler, M. Oemisch, L. Sommer, S. Biergans, B. Birnbach, A. F. Silbering, C. G. Galizia, Konstanz*
- T19-11B** MITOCHONDRIAL ROLE IN THE CALCIUM HOMEOSTASIS IN MOUSE OLFACTORY SENSORY NEURONS  
*D. Fluegge, L. Moeller, S. Veitinger, J. Spehr, S. Cainarca, S. Corazza, M. Spehr, Aachen*
- T19-12B** MUPP1 - MEDIATOR OF THE OLFACTOSOME  
*S. Baumgart, R. Dooley, H. Hatt, E. M. Neuhaus, Bochum*
- T19-13B** NEUROPEPTIDES OF IDENTIFIED LOCAL INTERNEURONS IN THE ANTENNAL LOBE OF *PERIPLANETA AMERICANA*  
*D. Fusca, S. Neupert, J. Schachtner, R. Predel, P. Kloppenburg, Köln*
- T19-14B** NEUROPEPTIDES OF THE INSECT MUSHROOM BODY  
*M. Binzer, M. Kollmann, C. M. Heuer, J. Schachtner, Marburg*
- T19-15B** OCTOPAMINE CAUSES RISES OF cAMP IN ANTENNAE OF THE HAWKMOTH *MANDUCA SEXTA* AND THE COCKROACH *LEUCOPHAEA MADERAE*  
*T. Schendzielorz, W. Peters, M. Stengl, Kassel*
- T19-16B** ODOR DISCRIMINATION TIMES AND THEIR DEPENDENCE ON ODORANT INTENSITY IN *GLUA2* KNOCKOUT MICE  
*E. Kudryavitskaya, T. Kuner, Heidelberg*
- T19-17B** ODOR SEGMENTATION FROM TEMPORALLY INCOHERENT MIXTURES IN HONEYBEES  
*J. S. Stierle, S. Biergans, C. G. Galizia, P. Szyszka, Konstanz*
- T19-18B** ODORANT RECEPTOR CODING GENES OF THE TOBACCO HORNWORM (*MANDUCA SEXTA*)  
*E. Grosse-Wilde, C. Koenig, C. Klinner, M. N. Getahun, L. S. Kuebler, B. S. Hansson, Jena*
- T19-19B** ODOUR DISCRIMINATION AND ODOUR GENERALISATION IN OLFACTORY LEARNING OF *DROSOPHILA MELANOGASTER*  
*J. Barth, M. Hermann, A. Fiala, Göttingen*



- T19-20B** OLFACTORY SENSITIVITY: MODIFICATION BY PHYSIOLOGICAL STATUS IN *DROSOPHILA*  
*F. Abu, M. Knaden, B. Hansson, Jena*
- T19-21B** OLFACTORY SENSORY NEURONS EXPRESSING THE OR37 SUBFAMILY: CONNECTIVITY TO HIGHER BRAIN CENTRES  
*A. Bader, H. Breer, J. Strotmann, Stuttgart*
- T19-22B** OPTOGENETIC GENERATION OF SPATIO-TEMPORAL ACTIVITY PATTERNS IN THE MOUSE OLFACTORY BULB  
*A. Lehmann, A. D'Errico, M. Vogel, H. Spors, Frankfurt/Main*
- T19-23B** ORGANIZATION OF DEUTCEREBRAL NEUROPILS IN REPRESENTATIVES OF THE CHILOPODA (MYRIAPODA)  
*A. Sombke, B. S. Hansson, S. Harzsch, Greifswald*
- T19-24B** ORGANIZATION OF THE ANTENNAL LOBE IN DESERT ANTS OF THE GENUS *CATAGLYPHIS*  
*S. M. Stieb, C. Kelber, R. Wehner, W. Rössler, Würzburg*
- T19-25B** PHEROMONE RESPONSES IN ANTENNAL TRICHOID SENSILLA OF THE HAWKMOTH *MANDUCA SEXTA* AND THEIR MODULATION BY CAMP AND DAG  
*A. Nolte, C. Flecke, M. Stengl, Kassel*
- T19-26B** PHEROMONE-PLANT ODOUR INTERACTIONS AND MATING EFFECTS IN THE ANTENNAL LOBE OF *AGROTIS IPSILON* MALES  
*N. Deisig, S. Anton, C. Gadenne, Versailles, France*
- T19-27B** PLANT ODOUR-PHEROMONE INTERACTIONS IN THE OLFACTORY PATHWAY OF MOTHS  
*S. Anton, J. Kropf, S. Vitecek, P. Lucas, C. Gadenne, R. B. Barrozo, Versailles, France*
- T19-28B** POST METAMORPHIC PLASTICITY OF NUMBERS OF PEPTIDERGIC NEURONS IN THE ANTENNAL LOBE OF *TRIBOLIUM CASTANEUM* (COLEOPTERA)  
*P. Christ, M. Kollmann, S. Redelfs, J. Schachtner, Marburg*
- T19-29B** PROCESSING OF COMPLEX HOST BLENDS IN THE *MANDUCA* ANTENNAL LOBE  
*L. S. Kuebler, M. Schubert, S. Sachse, S. B. Olsson, B. S. Hansson, Jena*
- T19-30B** PROJECTION PATTERNS OF SENSILLA BASICONICA AND DIFFERENCES IN THE DUAL OLFACTORY PATHWAY OF HONEYBEE WORKERS AND DRONES  
*J. Kropf, K. Bieringer, C. Kelber, W. Rössler, Würzburg*

## Saturday

- T19-1C** RANDOM INHIBITION SEPARATES ODOR REPRESENTATIONS IN A MODEL OF THE *DROSOPHILA* ANTENNAL LOBE  
*H. Proske, M. Wittmann, C. G. Galizia, Konstanz*
- T19-2C** RATIO CODING AND DYNAMIC RANGE IN THE PHEROMONE SYSTEM OF THE MOTH  
*T. Nowotny, C. L. Buckley, A. Zavada, Brighton, United Kingdom*



- T19-3C** RELEVANCE OF OLFACTORY CUES DURING GROUP RECRUITMENT IN THE DESERT ANT *OCYMYRMEX ROBUSTIOR*  
*N. Wenzler, S. M. Stieb, W. Rössler, R. Wehner, Würzburg*
- T19-4C** RESPONSE PROFILES OF THE *DROSOPHILA* OLFACTORY RECEPTORS OR42B AND OR69A - KNOCKING ON THE DOOR  
*J. S. Ignatious Raja, Konstanz*
- T19-5C** SENSORY INNERVATION OF THE ANTENNAL LOBE IN LEAF-CUTTING ANT WORKERS (*ATTA VOLLENWEIDERI*)  
*C. Kelber, W. Rössler, C. J. Kleineidam, Würzburg*
- T19-6C** SENSORY RECEPTION AND TRANSMISSION OF THE PRIMER PHEROMONE ETHYLOLEATE IN THE HONEYBEE  
*T. S. Muenz, A. Maisonasse, E. Plettner, Y. LeConte, W. Rössler, Würzburg*
- T19-7C** SEROTONIN AND FMRFAMIDE IN REGULATION OF DEVELOPMENT OF THE BAY MUSSEL *MYTILUS TROSSILUS* IN VARIOUS SALINITY CONDITIONS  
*E. E. Voronezhskaya, V. A. Dyachuk, O. V. Yurchenko, E. E. Vekhova, M. Y. Khabarova, E. G. Fofanova, E. G. Ivashkin, Moscow, Russia*
- T19-8C** SEXUAL DIMORPHISM IN THE OLFACTORY SYSTEM OF THE SOLITARY BEE, *EUCERA BERLANDI* (HYMENOPTERA: APIDAE)  
*M. Streinzer, C. Kelber, S. Pfabigan, C. J. Kleineidam, J. Spaethe, Wien, Austria*
- T19-9C** SMALL SIZE, HUGE AMAZING COMPLEXITY: THE ANTENNAL LOBE OF *CAMPONOTUS* ANTS  
*F. J. Guerrieri, J. Rybak, M. Althans, M. Stensmyr, B. S. Hansson, Jena*
- T19-10C** TEMPERATURE DEPENDENT REPRESENTATION OF A LOW VOLATILE RECRUITMENT SIGNAL IN THE ANTENNAL LOBE OF *APIS MELLIFERA*  
*M. Rittmeyer, A. S. Brandstatter, C. J. Kleineidam, Konstanz*
- T19-11C** TERRESTRIAL ADAPTATIONS OF OLFACTORY SYSTEMS – A COMPARATIVE NEUROANATOMICAL STUDY OF TERRESTRIAL AND MARINE MEMBERS OF THE MEIURA  
*J. Krieger, F. Seefluth, R. E. Sandeman, D. C. Sandeman, B. S. Hansson, S. Harzsch, Greifswald*
- T19-12C** THE ANTS' ABILITY TO SENSE CURRENT TEMPERATURE  
*M. Nagel, C. J. Kleineidam, Konstanz*
- T19-13C** THE EVOLUTION OF OLFACTION IN HERMIT CRABS  
*K. C. Groh, M. C. Stensmyr, E. Große-Wilde, B. S. Hansson, Jena*
- T19-14C** THE FUNCTION OF MSEXOR-2 IN PHEROMONE TRANSDUCTION OF THE HAWKMOTH *MANDUCA SEXTA*  
*N. W. Funk, E. Große-Wilde, B. S. Hansson, D. Wicher, M. Stengl, Kassel*

- T19-15C** THE GRUENEBERG GANGLION – A DUAL SENSORY ORGAN?  
K. Mamasuew, N. Hofmann, H. Breer, J. Fleischer, Stuttgart
- T19-16C** THE MOLECULAR AND PHENOTYPIC CHARACTERIZATION OF THE *T[BETA]H* GENE IN *DROSOPHILA MELANOGASTER*  
M. Ruppert, H. Scholz, Köln
- T19-17C** THE MOLECULAR BASIS OF SEX PHEROMONE DETECTION IN *HELIOTHIS VIRESCENS*  
P. Pregitzer, D. Schymura, H. Breer, J. Krieger, Stuttgart
- T19-18C** THE OR37 SUBFAMILY: ESTABLISHMENT OF THE CLUSTERED EXPRESSION PATTERN  
J. Strotmann, A. Bader, V. Bautze, D. Haid, H. Breer, Stuttgart
- T19-19C** THE ROLE OF NKCC1 IN CHLORIDE HOMEOSTASIS IN TRIGEMINAL SENSORY NEURONS OF MICE  
D. Radtke, N. Schöbel, J. Spehr, H. Hatt, Bochum
- T19-20C** THE VOLTAGE-GATED SODIUM CHANNEL NAV1.7 IS ESSENTIAL FOR ODOUR PERCEPTION IN MICE  
J. Weiss, M. Pyrski, E. Jacobi, B. Bufe, T. Leinders-Zufall, J. N. Wood, F. Zufall, Homburg
- T19-21C** TIME-DEPENDENT DIFFERENCES IN THE PHEROMONE TRANSDUCTION OF THE HAWKMOTH *MANDUCA SEXTA*  
C. Flecke, A. Nolte, P. Gawalek, M. Stengl, Kassel
- T19-22C** TOWARDS A PHYSICO-CHEMICAL DESCRIPTION OF VERTEBRATE OLFACTORY RECEPTIVE SPACE  
J. Soelter, J. Schumacher, H. Spors, M. Schmucker, Berlin
- T19-23C** TRANSDUCTION COMPONENTS IN GRUENEBERG GANGLION NEURONS  
J. Fleischer, K. Mamasuew, N. Hofmann, V. Kretschmann, R.-B. Yang, M. Biel, H. Breer, Stuttgart
- T19-24C** TRANSIENT POTASSIUM CURRENTS IN IDENTIFIED OLFACTORY INTERNEURONS OF THE COCKROACH ANTENNAL LOBE  
S. Schleicher, C. Rotte, L. Paeger, P. Kloppenburg, Köln
- T19-25C** TRANSITION FROM MARINE TO TERRESTRIAL ECOLOGIES: CHANGES IN OLFACTORY AND TRITOCEREBRAL NEUROPILS IN LAND-LIVING ISOPODS  
S. Harzsch, V. Rieger, J. Krieger, N. Strausfeld, B. S. Hansson, Greifswald
- T19-26C** TYRAMINE BETA-HYDROXYLASE IS REQUIRED FOR ETHANOL PREFERENCE IN *DROSOPHILA MELANOGASTER*  
A. Schneider, M. Vollbach, H. Scholz, Köln
- T19-27C** VARIATION IN THE HUMAN OLFACTORY SUBGENOME AND ITS IMPLICATIONS FOR OLFACTORY PERCEPTION  
J. Kuklan, C. Flegel, K. Baghaei, I. Wallrabenstein, M. Grobosch, M. Demond, G. Gisselmann, H. Hatt, Bochum



- T19-28C** VISUALIZATION OF TASTE RECEPTOR-EXPRESSING CELLS IN THE CENTRAL NERVOUS SYSTEM  
*A. Voigt, E. Schöley-Pohl, S. Hübner, J. Töle, U. Boehm, A. W. Meyerhof, Nuthetal*
- T19-29C** GENETIC TRAITS IN *DROSOPHILA* SIBLINGS  
*S. Lavista Llanos, M. C. Stensmyr, B. S. Hansson, Jena*
- T19-30C** PROLONGED ODOR INFORMATION IN THE ANTENNAL LOBE OF *DROSOPHILA MELANOGASTER*  
*A. Lüdke, C. G. Galizia, P. Szyszka, Konstanz*
- T19-31C** PURINERGIC MODULATION OF NETWORK ACTIVITY IN THE OLFACTORY BULB  
*D. Hirnet, C. Lohr, Hamburg*

## T20: Somatosensation: touch, temperature, proprioception, nociception

### Thursday

- T20-1A** A NOVEL KIND OF SENSILLA DESCRIBED FROM GROUND-DWELLING STICK INSECTS  
*F. Walker, O. Mai, A. Stumpner, R. Heinrich, S. Bradler, Martinsried*
- T20-2A** A NOVEL SPLICE VARIANT OF NAV1.8 VOLTAGE-GATED SODIUM CHANNEL FROM HUMAN DORSAL ROOT GANGLION NEURONS LEADING TO SKIPPING OF EXON 11  
*J. Schirmeyer, E. Leipold, S. H. Heinemann, C. Mawrin, M. Platzer, K. Szafranski, Jena*
- T20-3A** BEHAVIOURAL MODIFICATIONS IN *EPHRINA5* KNOCK-OUT MICE  
*J. Landmann, D. Pensold, M. Wüstenhagen, J. Bolz, Jena*
- T20-4A** CENTRAL PROJECTIONS OF ANTENNAL HAIR FIELDS AND DESCENDING INTERNEURONS IN STICK INSECT BRAIN AND SUBOESOPHAGEAL GANGLION  
*J. Goldammer, V. Dürr, Köln*
- T20-5A** CILIATED SENSORY ORGANS IN CHAETOGNATHS  
*V. Rieger, Y. Perez, C. H. Müller, S. Harzsch, Greifswald*
- T20-6A** CUES OF VIBROTACTILE SIGNALS USED FOR DISCRIMINATION IN THE RAT VIBRISSELL SYSTEM  
*C. Waiblinger, C. Schwarz, Tübingen*
- T20-7A** DISSECTING TRANSDUCER ADAPTATION IN A *DROSOPHILA* MECHANOSENSORY CELL  
*G. Raiser, Göttingen*
- T20-8A** ENCODING OF TACTILE STIMULI IN SENSORY NEURONS OF THE MEDICINAL LEECH *HIRUDO MEDICINALIS*  
*F. Pirschel, J. Kretzberg, Oldenburg*

- T20-9A** MECHANOSENSITIVITY IN THE ENTERIC NERVOUS SYSTEM  
*G. Mazzuoli, M. Schemann, Freising*
- T20-10A** A LARGE-SCALE BEHAVIORAL SCREENING FOR NEURONS RESPONSIBLE FOR ELECTRIC SHOCK AND SUGAR RESPONSE IN *DROSOPHILA*  
*V. Thoma, C. Damrau, H. Tanimoto, Martinsried*

## Friday

- T20-1B** INFORMATION TRANSMISSION IS LIMITED BY ENTROPY IN SPIDER MECHANORECEPTORS  
*K. Pfeiffer, P. H. Torkkeli, A. S. French, Halifax, Canada*
- T20-2B** INFORMATION-THEORETIC ANALYSIS OF WHISKER-RESPONSIVE TRIGEMINAL GANGLION NEURONS TO WHITE NOISE STIMULATION  
*A. Maia Chagas, B. Sengupta, M. Stuettingen, C. Schwarz, Tübingen*
- T20-3B** INTERMITTENT THETA-BURST STIMULATION APPLIED BY TMS WEAKENS INHIBITORY SENSORY ACTIVITY IN RAT BARREL CORTEX  
*A. Thimm, K. Funke, Bochum*
- T20-4B** NETWORK ANALYSIS OF THE PAIN SYSTEM IN TRANSGENIC MICE BY FMRI AND GRAPH THEORY  
*A. Hess, S. Kreitz, C. Heindl-Erdmann, R. Axmann, J. Penninger, G. Schett, B. Kay, Erlangen*
- T20-5B** NITRIC OXIDE IN THE ANTENNAL MECHANOSENSORY NEUROPILO OF THE CRICKET BRAIN  
*N. Naumann, K. Schildberger, G. Holstein, P. A. Stevenson, Leipzig*
- T20-6B** PHOTODYNAMIC TARGETING OF MITOCHONDRIA IN CULTURED SENSORY NEURONS REVEALS ROS-INDUCED NEURONAL SIGNALING  
*B. Novak, N. Schoebel, R. Schulten, S. Kortmann, H. Hatt, H. Luebbert, Bochum*
- T20-7B** PRONOCICEPTIVE EFFECTS OF PROSTACYCLIN (PGI<sub>2</sub>) IN SPINAL NOCICEPTIVE PROCESSING  
*C.-D. Schuh, C. Brenneis, B. Linke, K. Scholich, G. Geisslinger, Frankfurt/Main*
- T20-8B** REPRESENTATION OF THERMAL INFORMATION IN THE ANTENNAL LOBE OF LEAF-CUTTING ANTS  
*M. Ruchty, F. Helmchen, R. Wehner, C. J. Kleineidam, Zürich, Switzerland*
- T20-9B** RESPONSE PROPERTIES OF NEURONS IN THE SOMATOSENSORY CORTICAL AREAS OF THE ETRUSCAN SHREW  
*C. Roth-Alpermann, M. Brecht, Berlin*
- T20-10B** MECHANOSENSITIVITY IN ISOLATED ENTERIC NEURONAL NETWORKS  
*E. Kugler, G. Mazzuoli, M. Schemann, Freising*



## Saturday

- T20-1C** SCREENING FOR LOCAL ANESTHETICS WHICH INDUCE TRPA1-MEDIATED ENTRY OF QX-314 INTO CELLS AND THE CONSEQUENCES FOR A SENSORY SELECTIVE NERVE BLOCKADE  
*C. Brenneis, M. Puopolo, M. Sisignano, D. Segal, G. Geisslinger, B. Bean, C. Woolf, Boston, USA*
- T20-2C** SENSORY BASIS OF WIND ORIENTATION IN DESERT ANTS  
*A. Scheller, H. Wolf, M. Wittlinger, Ulm*
- T20-3C** SIGNAL TRANSMISSION IN THE RAT'S BARREL CORTEX IS MODULATED BY ONGOING CORTICAL DYNAMICS UNDER ANESTHESIA  
*C. Vahle-Hinz, A. K. Engel, Hamburg*
- T20-4C** SINGLE-NEURON STIMULATION IN BARREL SOMATOSENSORY CORTEX: ASSESSING THE SENSORY EFFECTS OF ACTION POTENTIAL NUMBER AND FREQUENCY  
*G. Doron, M. Brecht, Berlin*
- T20-5C** SMAD INTERACTING PROTEIN-1 (ZFHX1B) AFFECTS PERIPHERAL SENSITISATION IN ACUTE AND INFLAMMATORY PAIN  
*B. Pradier, I. Racz, M. Jeub, A. Markert, D. Mauer, V. Gailus-Durner, H. Fuchs, M. Hrabé de Angelis, D. Huylebroeck, H. Beck, A. Zimmer, Bonn*
- T20-6C** THE ROLE OF CB2 RECEPTORS IN INFLAMMATORY PAIN  
*I. Rácz, A. Markert, J. Gertsch, A. Zimmer, Bonn*
- T20-7C** TRANSGENIC MICE EXPRESSING AFFINITY-TAGGED FLUORESCENT P2X2 RECEPTORS  
*M. Grohmann, T. Nußbaum, R. Hausmann, H. Wang, R. Naumann, H. Franke, G. Schmalzing, Leipzig*
- T20-8C** TRIGEMINAL SENSORY INTERNEURONE RESPONSES TO SKIN STIMULI AND THEIR INHIBITORY MODULATION IN HATCHLING TADPOLES OF *XENOPUS LAEVIS*  
*E. Buhl, S. R. Soffe, A. Roberts, Bristol, United Kingdom*
- T20-9C** VARIABILITY IN THE ENCODING OF LOW- AND HIGH-FREQUENCY WHISKER VIBRATIONS IN THE BARREL CORTEX OF THE AWAKE RAT  
*S. Sieler, M. C. Stüttgen, C. Schwarz, A. K. Engel, C. Vahle-Hinz, Hamburg*

## T21: Motor systems

### Thursday

- T21-1A** A NOVEL GIANT, NON-CHOLINERGIC NEURON IN THE VENTROLATERAL STRIATUM: IMPLICATIONS FOR FUNCTIONAL SPECIFICITY AND SELECTIVE VULNERABILITY  
*L. Lebenheim, C. Derst, T. Weiß, C. Gruber, D. S. Zahm, Berlin*

- T21-2A** AXONAL CALCIUM IMAGING REVEALS SPATIOTEMPORAL CLUSTERING OF PARALLEL FIBER ACTIVATION *IN VIVO*  
*C. Wilms, M. Häusser, London, United Kingdom*
- T21-3A** CHRONIC DBS OF THE ENTOPELUNCULAR NUCLEUS OR THE CM-PF COMPLEX IN THE RAT 6-HYDROXY-DOPAMINE PARKINSON MODEL IMPROVE LEVODOPA-INDUCED DYSKINESIAS  
*M. Alam, K. Schwabe, J. K. Krauss, H.-H. Capelle, Hannover*
- T21-4A** DECISION-MAKING BETWEEN TWO GRASP TYPES MODULATED BY DIFFERENT REWARD VALUES IN AREA AIP AND F5 OF MACAQUE MONKEY  
*B. Wellner, A. Wellner, H. Scherberger, Göttingen*
- T21-5A** DECODING THE BEHAVIOR OF LARGE POPULATIONS OF MOTORNEURONS IN HUMANS  
*S. Muceli, F. Negro, W. Poppendieck, T. Doerge, D. Farina, Aalborg, Denmark*
- T21-6A** DESCENDING CONTROL OF TURNING IN THE STICK INSECT *CARAUSIUS MOROSUS*  
*M. Gruhn, A. Borgmann, P. Rosenbaum, A. Büschges, Köln*
- T21-7A** DESCENDING UNPAIRED NEURONS OF THE SUB-OESOPHAGEAL GANGLION IN *LOCUSTA MIGRATORIA* AND *MANDUCA SEXTA* AND THEIR SENSORY INPUT  
*J. Erdmann, H.-J. Pflüger, E. Lipke, P. Bräunig, Berlin*
- T21-8A** DISTANCE ESTIMATION IN DESERT ANTS, *CATAGLYPHIS FORTIS* – WHAT ROLE PLAYS VENTRAL OPTIC FLOW?  
*M. Wittlinger, H. Wolf, Ulm*
- T21-9A** DISTRIBUTION OF TYRAMINE- AND OCTOPAMINE-IMMUNOREACTIVITY IN LOCUST MUSCLE  
*B. Stocker, H.-J. Pflüger, Berlin*
- T21-10A** ELECTRICAL MICROSTIMULATION IN THE SUPERIOR COLLICULUS OF THE MACAQUE MONKEY (*MACACA MULATTA*) CAUSES CHANGES OF GOAL DIRECTED ARM MOVEMENTS DURING A FIXATION REACH TASK  
*R. Philipp, K.-P. Hoffmann, Bochum*
- T21-11A** FEATURE SELECTION TECHNIQUES: A COMPARATIVE STUDY  
*D. Hofmann, J. Hahne, A. Biess, B. Graitmann, J. M. Herrmann, Göttingen*
- T21-12A** FUNCTIONAL ORGANIZATION OF THE PRIMARY MOTOR CORTEX IN CONGENITAL AND CHRONIC ACQUIRED PARAPLEGIA  
*M. Tozakidou, M. Blatow, M. Akbar, E. Nennig, J. Reinhardt, C. Stippich, Basel, Switzerland*
- T21-13A** FUNCTIONAL RECOVERY OF AIMED LIMB MOVEMENTS FOLLOWING PARTIAL AMPUTATION IN THE LOCUST *SCHISTOCERCA GREGARIA*  
*P. K. Gunderson, A. McKnight, T. Matheson, Leicester, United Kingdom*



**T21-14A** GENERALIZATION PATTERNS DURING REACH ADAPTA-  
TION TO TARGET JUMP

*S. Westendorff, B. Taghizadeh, A. Gail, Göttingen*

**Friday**

**T21-1B** GENERATION AND INVESTIGATION OF ANIMAL SPECIFIC  
HILL-TYPE MUSCLE MODELS OF THE STICK INSECT

*M. Blümel, C. Guschlbauer, S. Gruhn, S. Hooper,  
A. Büschges, Köln*

**T21-2B** INFLUENCE OF GLIAL- AND MUSCLE-DERIVED MATRIX  
MOLECULES ON AXON GROWTH OF CULTURED MOUSE  
EMBRYONIC MOTONEURONS

*R. Conrad, A. Klausmeyer, T. Szczepan, A. Faissner,  
S. Wiese, Bochum*

**T21-3B** INTERPLAY OF LOCAL AND GLOBAL CO-ORDINATION  
IN STICK INSECT WALKING - AN EVOLUTIONARY ROBO-  
TICS APPROACH

*A. von Twickel, K. Hellekes, F. Pasemann, A. Büschges,  
Osnabrück*

**T21-4B** INTERSEGMENTAL, TASK AND SENSORY DEPENDENCIES  
FOR REINFORCEMENT OF MOVEMENT IN AN INSECT  
WALKING SYSTEM

*K. Hellekes, E. Blincow, A. Büschges, Köln*

**T21-5B** INTRACELLULAR RECORDING OF MOTONEURON  
ACTIVITY DURING PHONOTACTIC WALKING IN FEMALE  
CRICKETS

*F. Dupuy, B. Hedwig, Cambridge, United Kingdom*

**T21-6B** INTRINSIC AND NETWORK PROPERTIES OF A HIGHLY  
SYNCHRONOUS HINDBRAIN MOTOR NUCLEUS

*B. P. Chagnaud, M. J. Zee, R. Baker, A. H. Bass, Ithaca,  
USA*

**T21-7B** LOCUST LEG AFFERENTS AND THEIR INFLUENCE ON  
DESCENDING NEURONS OF THE SUBOESOPHAGEAL  
GANGLION

*E. Lipke, P. Bräunig, Aachen*

**T21-8B** MAPPING THE SPATIAL STRUCTURE OF LFP ACTIVITY IN  
MOTOR CORTEX

*S. Wirtsohn, T. Brochier, M. Denker, S. Grün, A. Riehle,  
Marseille, France*

**T21-9B** MAPPING THE SYNCHRONIZATION STRUCTURE OF LFP  
ACTIVITY IN MOTOR CORTEX

*M. Denker, S. Wirtsohn, T. Brochier, A. Riehle, S. Grün,  
Wako-shi, Japan*

**T21-10B** MEASURES OF CORRELATION BETWEEN MOTOR UNIT  
SPIKE TRAINS IN HUMANS

*F. Negro, D. Farina, Aalborg, Denmark*

**T21-11B** MOTOR IMAGINATION COMBINED WITH PERIPHERAL  
STIMULATION INCREASES CORTICAL EXCITABILITY

*N. Mrachacz-Kersting, S. Rom Kristensen, I. Khan Niazi,  
K. Dremstrup, D. Farina, Aalborg, Denmark*



- T21-12B** NEW POLYMERIC CARRIER ENHANCES BRAIN AVAILABILITY OF DOMPERIDONE  
C. Knoth, M. Hemmelmann, M. Barz, C. Hiemke, F. Rösch, U. Schmitt, R. Zentel, Mainz
- T21-13B** OBJECT DISCRIMINATION AT THE NEURONAL LEVEL HOW OBJECT FEATURES ARE ENCODED BY THE WEAKLY ELECTRIC FISH, *GNATHONEMUS PETERSII*  
S. Gertz, J. Engelmann, G. von der Emde, Bonn

## Saturday

- T21-1C** PLASTICITY IN THE HVC OF THE BENGALISE FINCHES IS CRUCIAL FOR SONG SYNTAX STABILITY  
A. Hanuschkin, M. Diesmann, A. Morrison, Freiburg
- T21-2C** PTP-NP/PHOGRIN EXPRESSION ALTERS DURING THE SPINAL CORD DEVELOPMENT  
T. Sczegan, A. Klausmeyer, R. Hecht, R. Conrad, S. Wiese, Bochum
- T21-3C** READY FOR TAKEOFF – MOTOR CONTROL OF FLIGHT START IN WINGED STICK INSECTS (INSECTA: PHASMATODEA)  
R. Klug, U. J. Grimm, A. Giersch, R. Hustert, Göttingen
- T21-4C** RECRUITMENT OF V2A INTERNEURONS DURING SWIMMING IN JUVENILE ZEBRAFISH  
J. Ausborn, R. Mahmood, A. El Manira, Stockholm, Sweden
- T21-5C** REDUCED INTRACORTICAL INHIBITION AND FACILITATION IN THE PRIMARY MOTOR TONGUE REPRESENTATION IN STUTTERING  
N. E. Neef, W. Paulus, A. Neef, A. Wolff von Gudenberg, M. Sommer, Göttingen
- T21-6C** REPRESENTATION OF CATEGORICAL PERCEPTUAL DECISIONS IN MONKEY PREFRONTAL AND PREMOTOR CORTICES  
K. Merten, A. Nieder, Tübingen
- T21-7C** RETINOTOPIC ENCODING OF REACH-TO-GRASP MOVEMENTS IN THE MACAQUE PREMOTOR AREA F5  
S. J. Lehmann, H. Scherberger, Göttingen
- T21-8C** STEPPING PATTERNS IN FREE WALKING ADULT STICK INSECTS  
M. Grabowska, E. Godlewska, A. Büschges, J. Schmidt, S. Daun-Gruhn, Köln
- T21-9C** THE *DROSOPHILA* FEMORAL CHORDOTONAL ORGAN: A DETECTOR FOR SUBSTRATE VIBRATIONS?  
R. J. Wiek, M. C. Göpfert, Göttingen
- T21-10C** THE MEDIAL NIDOPALLIUM OF PIGEONS PLAYS A CENTRAL ROLE IN A SERIAL REACTION TIME TASK  
S. Helduser, O. Güntürkün, Bochum



- T21-11C** THE SPATIOTEMPORAL EVOLUTION OF CATHODAL STIMULATION INDUCED AFTER-EFFECTS: DIFFERENTIAL ADAPTATION IN PRIMARY AND SECONDARY MOTOR AREAS  
*S. Schmidt, R. Fleischmann, K. Irlbacher, S. A. Brandt, Berlin*
- T21-12C** WHOLE-BODY KINEMATICS AND 3D TARGETING OF FOOT CONTACTS IN UNRESTRAINED CLIMBING STICK INSECTS (*CARAUSIUS MOROSUS*)  
*L. M. Theunissen, V. Dürr, Bielefeld*
- T21-13C** WORKING MEMORY IN THE LEG MUSCLE CONTROL SYSTEM OF THE STICK INSECT *CUNICULINA IMPIGRA*  
*E. Berg, A. Büschges, J. Schmidt, Köln*
- T21-14C** PASSIVE BIOMECHANICAL PROPERTIES AND SPIKE-MOVEMENT TRANSFER IN AN INSECT LIMB JOINT  
*J. M. Ache, T. A. Nielsen, A. Büschges, T. Matheson, Köln*

## T22: Homeostatic and neuroendocrine systems, stress response

### Thursday

- T22-1A** BRAIN ENDOTHELIAL TAK1 MEDIATES THE INDUCTION OF FEVER  
*D. Ridder, M.-F. Lang, S. Salinin, M. Schwaninger, Heidelberg*
- T22-2A** CHEMOSENSATION AND NEUROENDOCRINE SIGNALING IN THE MURINE AND PORCINE GI-TRACT  
*D. Haid, N. Hass, P. Widmayer, H. Breer, Stuttgart*
- T22-3A** CHRONIC RESTRAINT STRESS DIFFERENTIALLY AFFECTS THE FUNCTIONAL INTEGRITY OF THE PARVALBUMIN AND CHOLECYSTOKININ INTERNEURONS IN THE HIPPOCAMPUS OF ADULT MALE RATS  
*W. Hu, M. Zhang, B. Czeh, W. Zhang, G. Flügge, Göttingen*
- T22-4A** DIRECT ACTION OF INSULIN ON STEROIDOGENIC FACTOR 1 POSITIVE NEURONS IN THE VENTROMEDIAL HYPOTHALAMUS  
*S. Hess, T. Klöckener, B. Hampel, M. Paehler, J. C. Brüning, P. Kloppenburg, Köln*
- T22-5A** ESTROGEN RECEPTOR ALPHA IN KISSPEPTIN NEURONS CONTROLS THE TIMING AND COMPLETION OF PUBERTY  
*C. Mayer, M. Acosta-Martinez, S. L. Dubois, A. Wolfe, S. Radovick, J. E. Levine, U. Boehm, Hamburg*

### Friday

- T22-1B** HIGH FAT INDUCED OBESITY IMPAIRS INTRINSIC PROPERTIES OF ANOREXIGENIC POMC NEURONS IN THE HYPOTHALAMUS  
*A. Pippow, M. Paehler, L. Paeger, S. Hess, T. Klöckener, M. Vogt, C. Pouzat, J. C. Brüning, P. Kloppenburg, Köln*

- T22-2B** HSMP, A NOVEL MECHANISM FOR CA1 PYRAMIDAL NEURONS TO HOMEOSTATICALLY REGULATE THEIR ACTIVITY  
*X. Huang, O. M. Schlüter, Göttingen*
- T22-3B** IMMOBILIZATION STRESS IN A BAT MODEL: EFFECTS ON BEHAVIOUR, CORTISOL LEVEL AND NEUROMORPHOLOGY OF THE AMYGDALA IN THE SHORT-TAILED FRUIT BAT, *CAROLLIA PERSPICILLATA*  
*S. Ammersdörfer, S. Galinski, K.-H. Esser, Hannover*
- T22-4B** INTERACTION BETWEEN CHEMOSENSORY AND NEURO-ENDOCRINE CELLS IN THE GASTRIC MUCOSA  
*J. Eberle, N. Hass, P. Widmayer, H. Breer, Stuttgart*

### Saturday

- T22-1C** INVESTIGATING THE CELLULAR DICHOTOMY OF THE HYPOTHALAMIC OREXIN SYSTEM  
*C. Schöne, D. Burdakov, Cambridge, United Kingdom*
- T22-2C** MULTIMODAL IMAGING OF NEURO-METABOLIC COUPLING FOLLOWING SINGLE OR MULTIPLE SPREADING DEPOLARISATIONS  
*D. Feuerstein, M. Gramer, H. Backes, T. Kumagai, M. Sué, S. Vollmar, R. Graf, Köln*
- T22-3C** NUTRIENT SENSING ELEMENTS ON THE GI TRACT: CORRELATION WITH THE ENERGY STATUS  
*P. Widmayer, D. Haid, M. Küper, M. Kramer, H. Breer, Stuttgart*
- T22-4C** THE NEUROPEPTIDE SIFAMIDE IN *DROSOPHILA MELANOGASTER*: IN SEARCH OF ITS FUNCTION  
*A. Farca Luna, S. Kobbenbring, K. Schäfer, A. Schulz, M. Gertig, A. Fiala, Göttingen*

## T23: Neural networks and rhythm generators

### Thursday

- T23-1A** ACETYLCHOLINE DIFFERENTLY MODULATES NEURONAL ACTIVITY IN LAYER 6A OF THE BARREL CORTEX  
*R. H. Günter, D. Feldmeyer, Jülich*
- T23-2A** AGE-DEPENDENT DIFFERENCES IN THE EFFECT OF INTERMITTENT THETA BURST STIMULATION VIA TRANSCRANIAL MAGNETIC STIMULATION ON THE EXPRESSION OF PROTEINS RELATED TO CORTICAL INHIBITORY AND EXCITATORY ACTIVITY IN YOUNG RATS  
*A. Mix, K. Funke, Bochum*
- T23-3A** ALTERED HIPPOCAMPAL GAMMA OSCILLATIONS AND GABAERGIC INHIBITION IN MICE OVER-EXPRESSING THE SCHIZOPHRENIA CANDIDATE GENE NEUREGULIN-1  
*W. Nissen, I. H. Deakin, R. Kanso, M. H. Schwab, K.-A. Nave, D. M. Bannerman, P. J. Harrison, O. Paulsen, K. Lamsa, Oxford, United Kingdom*



- T23-4A** ATP-ACTIVATED P2X AND P2Y RECEPTORS DIFFERENTIALLY MODULATE GAMMA NETWORK OSCILLATIONS IN THE RAT HIPPOCAMPUS  
*Z.-J. Klafft, S. B. Schulz, A. R. Rösler, U. Heinemann, Z. Gerevich, Berlin*
- T23-5A** AUDITORY EFFECTS IN MOUSE VISUAL CORTEX ARE LINKED TO GENERAL ANESTHESIA LEVEL  
*R. Land, G. Engler, A. Kral, A. K. Engel, Hannover*
- T23-6A** BIFURCATIONS OF NETWORK STATES IN THE HIPPOCAMPAL AREA CA3 – A MODELLING STUDY  
*E. A. Zhuchkova, A. I. Lavrova, S. Schreiber, L. Schimansky-Geier, Berlin*
- T23-7A** BRAIN NEURONS FOR AUDITORY PROCESSING AND PHONOTAXIS IN THE CRICKET  
*K. Kostarakos, B. Hedwig, Cambridge, United Kingdom*
- T23-8A** BRAIN OSCILLATORY DYNAMICAL ACTIVITY OF SPATIALLY EXTENDED CORTICAL NEURAL NETWORKS  
*A. Zeghibib, A. Fillbrandt, F. W. Ohl, Magdeburg*
- T23-9A** CHOLINERGIC MODULATION OF GABA<sub>A</sub>-RECEPTOR MEDIATED INHIBITION IN NEOCORTEX  
*L. Liebig, H. Hentschke, Tübingen*
- T23-10A** CIRCADIAN AND ACTIVITY-DEPENDENT REGULATION OF MYELIN GENES IN WILD TYPE AND SHARP-1 AND -2 DOUBLE NULL-MUTANT MICE  
*L. Reinecke, S. P. Wichert, K.-A. Nave, M. J. Rossner, Göttingen*
- T23-11A** CIRCADIAN CLOCK MOLECULES OF THE COCKROACH *LEUCOPHAEA MADERAE* AND THEIR EXPRESSION PATTERN IN THE COCKROACH CENTRAL NERVOUS SYSTEM  
*A. Werckenthin, C. Derst, M. Stengl, Kassel*
- T23-12A** CONNECTIVITY OF THE MEDULLARY VOCAL PATTERN GENERATOR IN ANURAN AMPHIBIANS  
*S. Maier, A. C. Schneider, W. Walkowiak, Köln*
- T23-13A** CONSEQUENCES OF VARIABLE CIRCUIT ARCHITECTURE ON MOTOR RHYTHM GENERATION AND MUSCLES  
*N. Daur, A. S. Bryan, V. J. Garcia, K. E. Deeg, D. Bucher, St. Augustine, USA*
- T23-14A** COORDINATED NEURONAL ACTIVITY BETWEEN HIPPOCAMPUS AND NEOCORTEX OF LEARNING RATS  
*N. Becker, M. W. Jones, Bristol, United Kingdom*
- T23-15A** CORTICAL SPIRAL DYNAMICS IN A GERBIL MODEL OF EPILEPSY  
*K. Takagaki, X. Huang, J.-Y. Wu, F. W. Ohl, Magdeburg*
- T23-16A** DEVELOPMENT OF OSCILLATORY PATTERNS AND SYNCHRONIZATION WITHIN THE PREFRONTAL-ENTORHINAL-HIPPOCAMPAL NETWORK OF THE NEONATAL AND JUVENILE RAT  
*B. Pöschel, I. L. Hanganu-Opatz, Hamburg*

- T23-17A** DIFFERENT CELL PROPERTIES OF RETZIUS CELLS IN GANGLIA CONTROLLING MALE AND FEMALE REPRODUCTIVE ORGANS OF THE MEDICAL LEECH  
*T. Sacher, J. Kretzberg, Oldenburg*
- T23-18A** DISENTANGLING THE RETINAL CABLE MESS – FIB-SEM BASED 3D-RECONSTRUCTION OF THE ANCHOVY INNER RETINA IN HIGH RESOLUTION  
*M. Heß, P. C. Koch, G. Wanner, Martinsried*

## Friday

- T23-1B** EFFECTS OF ANODAL SLOW OSCILLATION TRANSCRANIAL DIRECT CURRENT STIMULATION (TDCS) IN THE RAT  
*S. Binder, P. C. Baier, M. Mölle, J. Born, L. Marshall, Lübeck*
- T23-2B** ENHANCING KNEE-ANKLE-FOOT-ORTHOSES WITH MODULAR, ADAPTIVE NEURO-CONTROL  
*J.-M. Braun, V. Patel, P. Manoonpong, F. Wörgötter, B. Graimann, Göttingen*
- T23-3B** FLIGHT AND WALKING IN LOCUSTS - CHOLINERGIC CO-ACTIVATION, TEMPORAL COUPLING AND ITS MODULATION BY BIOGENIC AMINES  
*J. Rillich, P. A. Stevenson, S. Hartfill, H.-J. Pflüger, Berlin*
- T23-4B** HIPPOCAMPAL NETWORK PATTERNS IN KV7/M-CHANNEL-DEFICIENT MICE  
*J. Grendel, Q. Le, G. Buzsáki, D. Isbrandt, Hamburg*
- T23-5B** IDENTIFICATION OF LATERAL HABENULAR NEURONS RELAYING HYPOTHALAMIC INPUT TO MONOAMINERGIC HINDBRAIN CIRCUITS  
*W. C. Poller, R. Bernard, V. I. Madai, T. Kahl, G. Laube, R. W. Veh, Berlin*
- T23-6B** INDIVIDUAL POTASSIUM CHANNEL PROTEINS DISPLAY CHARACTERISTIC PATTERNS IN RAT CEREBELLUM AND OLFACTORY BULB  
*A. Görtzen, D. Hüls, E. Lichtendahl, H. Heilmann, R. W. Veh, Oberhausen*
- T23-7B** INHIBITORY AND EXCITATORY SYNAPTIC CONDUCTANCES DURING SHARP-WAVE RIPPLES IN VITRO  
*J. R. Donoso, N. Maier, D. Schmitz, R. Kempter, Berlin*
- T23-8B** INTEGRATION OF COORDINATING INFORMATION INTO AN OSCILLATOR  
*C. R. Wellmann, B. Mulloney, Köln*
- T23-9B** INVESTIGATION OF NEURAL CIRCUITS RELATED TO ACOUSTIC STARTLE RESPONSE AND PREPULSE INHIBITION USING BEHAVIOURAL POSITRON-EMISSION-TOMOGRAPHY  
*C. Rohleder, F. M. Leweke, R. Graf, H. Endepols, Mannheim*
- T23-10B** LOCAL NEURONS IN THE AUDITORY SYSTEM OF ENSIFERA  
*A. Stumpner, T. D. Ostrowski, Göttingen*



- T23-11B** LOCUST FLIGHT CONTROL: PERFORMANCE OF DIFFERENT NETWORK MODELLING APPROACHES  
*H. Wolf, Ulm*
- T23-12B** LONG-RANGE CORRELATION OF THE MEMBRANE POTENTIAL IN NEOCORTICAL NEURONS DURING SLOW OSCILLATION  
*M. Volgushev, S. Chauvette, I. Timofeev, Storrs, USA*
- T23-13B** MICROARRAY ANALYSIS OF HABENULA: IDENTIFICATION OF CDNAS DIFFERENTIALLY EXPRESSED IN THE MEDIAL AND LATERAL HABENULAR COMPLEXES AND IN THE THALAMUS OF THE RAT  
*F. Wagner, C. Derst, R. W. Veh, Berlin*
- T23-14B** MULTISENSORY PROCESSING WITHIN VISUAL-SOMATOSENSORY CORTICAL NETWORKS OF THE JUVENILE BROWN NORWAY RAT  
*K. Sieben, I. L. Hanganu-Opatz, Hamburg*
- T23-15B** MYOINHIBITORY PEPTIDE IMMUNOREACTIVITY IN THE CIRCADIAN SYSTEM OF THE COCKROACH *LEUCOPHAEA MADERAE*  
*J. Schulze, S. Neupert, L. Schmidt, R. Predel, U. Homberg, M. Stengl, Kassel*
- T23-16B** NEURONAL INTRINSIC DISCHARGE PROPERTIES AND HIPPOCAMPAL NETWORK ACTIVITY IN ASA DEFICIENT MICE  
*C. Albus, M. Eckhardt, V. Gieselmann, H. Beck, T. Opitz, Bonn*
- T23-17B** OCTOPAMINERGIC/TYRAMINERGIC NEURONS IN THE CNS OF *DROSOPHILA* LARVAE  
*M. Selcho, D. Pauls, C. Wegener, R. Stocker, A. Thum, Marburg*
- T23-18B** A HIGHLY ACTIVE SUBNETWORK OF NEOCORTICAL NEURONS IDENTIFIED BY IN VIVO IEG EXPRESSION  
*J.-S. Jouhanneau, L. Yassin, B. L. Bennedetti, J. F. Poulet, A. L. Barth, Berlin*

## Saturday

- T23-1C** OPTICAL IMAGING REVEALS AUTONOMOUS SEIZURE ACTIVITY IN THE DENTATE GYRUS OF CHRONIC EPILEPTIC ANIMALS  
*F. Weissinger, M. Holtkamp, K. Buchheim, M. Elsner, J. Matzen, H. Meierkord, Berlin*
- T23-2C** OPTICAL RECORDING OF ACTION POTENTIAL PROPAGATION IN IDENTIFIED NEURONS OF THE CRAB STOMATOGASTRIC NERVOUS SYSTEM  
*C. Staedele, P. Andras, W. Stein, Ulm*
- T23-3C** OPTOGENETIC DISSECTION OF THE OCULOMOTOR SYSTEM IN ZEBRAFISH  
*A. Arrenberg, P. Gonçalves, P. Schoonheim, W. Driever, C. Machens, H. Baier, Freiburg*

- T23-4C** OSCILLATORY SYNCHRONIZATION IN LARGE-SCALE CORTICAL NETWORKS PREDICTS PERCEPTION  
*J. F. Hipp, A. K. Engel, M. Siegel, Hamburg*
- T23-5C** PARTICIPATION OF HILAR MOSSY CELLS IN SHARP WAVE RIPPLE OSCILLATIONS *IN VITRO*  
*A. V. Egorov, M. M. Zylla, M. Both, A. Draguhn, Heidelberg*
- T23-6C** PATTERNS OF OSCILLATORY ACTIVITY SYNCHRONIZE THE JUVENILE SUPERIOR COLLICULUS OF THE BROWN NORWAY RAT *IN VIVO*  
*J. Backhaus, I. L. Hanganu-Opatz, Hamburg*
- T23-7C** PHARMACOLOGICALLY INDUCED ANTENNAL MOVEMENTS IN THE STICK INSECT *CARAUSIUS MOROSUS*  
*A. Winkelmann, V. Dürr, Bielefeld*
- T23-8C** PHYSIOLOGICAL PROPERTIES OF NON-LOCAL, HORIZONTAL PROJECTIONS ONTO LAYER 5 PYRAMIDAL NEURONS  
*P. Schnepel, M. P. Nawrot, A. Aertsen, C. Boucsein, Freiburg*
- T23-9C** PROPAGATION OF ACTIVITY FRONTS IN PATTERNED NEURAL CULTURES  
*J. Soriano, S. Jacobi, N. Amigó, S. Teller, J. Casademunt, E. Moses, Barcelona, Spain*
- T23-10C** RECRUITMENT OF INTERNEURONS INTO INHIBITORY FEED-BACK MICROCIRCUITS IN THE EPILEPTIC HIPPOCAMPUS  
*L. Pothmann, C. Müller, S. Remy, H. Beck, Bonn*
- T23-11C** SLOW OSCILLATING POPULATION ACTIVITY IN DEVELOPING CORTICAL NETWORKS: MODELS AND EXPERIMENTAL RESULTS  
*T. Baltz, A. Herzog, T. Voigt, Magdeburg*
- T23-12C** SOUND-DRIVEN MODULATION OF SUB- AND SUPRA-THRESHOLD ACTIVITY IN MOUSE PRIMARY VISUAL CORTEX  
*P. Medini, Genova, Italy*
- T23-13C** SPONTANEOUS AND EVOKED POPULATION ACTIVITY IN A URETHANE SLEEP MODEL  
*T. Wanger, K. Takagaki, M. T. Lippert, F. W. Ohl, Magdeburg*
- T23-14C** SUPPRESSION OF SYNCHRONOUS POPULATION ACTIVITY IN DEVELOPING NEURONAL NETWORKS BY TARGETED STIMULATION OF FUNCTIONAL HUBS - A MODELING STUDY  
*B. Kriener, C. Grabow, M. Timme, Ås, Norway*
- T23-15C** THE EFFECTS OF SPIKE FREQUENCY ADAPTATION ON SYNCHRONIZATION OF COUPLED OSCILLATING NEURONS IN THE PRESENCE OF CONDUCTION DELAYS  
*J. Ladenbauer, L. Shiau, K. Obermayer, Berlin*
- T23-16C** THE ROLE OF TGF-BETA2 ON THE DEVELOPMENT OF NEURONAL NETWORKS  
*J. M. Speer, E. Roussa, K. Kriegelstein, Freiburg*



- T23-17C** THE SPATIAL PHASE RELATIONSHIP BETWEEN OSCILLATIONS AND SPIKES VARIES DURING MATURATION OF THE RAT PREFRONTAL CORTEX  
*N. Cichon, M. Denker, M. D. Brockmann, I. L. Hanganu-Opatz, S. Gruen, Hamburg*
- T23-18C** UNRAVELLING THE CENTRAL PATTERN GENERATOR FOR CRICKET SINGING  
*S. Schöneich, B. Hedwig, Cambridge, United Kingdom*

## T24: Attention, motivation, emotion and cognition

### Thursday

- T24-1A** AGGRESSION, ANXIETY AND SEROTONIN: PHENOTYPING TPH2-DEFICIENT ANIMALS  
*D. M. Beis, V. Mosienko, B. Bert, H. Fink, M. Bader, N. Alenina, Berlin*
- T24-2A** ATTENTIONAL MODULATION OF HUMAN SPIRAL MOTION DISCRIMINATION  
*S. Fazeli, A. Rothe, S. Treue, Göttingen*
- T24-3A** ATTENTIONAL SIGNALS IN MACAQUE AREA MT SHOW DIRECTIONAL TUNING DURING A WORKING MEMORY PERIOD  
*V. Kozyrev, A. Lochte, S. Treue, Göttingen*
- T24-4A** ATTENTION-DEPENDENT DYNAMIC CHANGES IN COHERENCE BETWEEN MONKEY AREA V1 AND V4  
*I. Grothe, S. D. Neitzel, S. Mandon, A. K. Kreiter, Bremen*
- T24-5A** AUDITORY STREAM SEGREGATION OF SAM TONES: PSYCHOACOUSTICS AND FMRI  
*L.-V. Dollezal, S. Deike, A. Brechmann, G. M. Klump, Oldenburg*
- T24-6A** COGNITIVE DEFICITS AND THEIR COMPENSATION FOLLOWING OCCLUSION OF THE ANTERIOR CEREBRAL ARTERY IN RATS (*RATTUS NORVEGICUS*): A BEHAVIOURAL PET STUDY  
*E. Höfener, R. Graf, C. Kleineberg, C. Marx, H. Endepols, Köln*
- T24-7A** COMPETITION AND ATTENTIONAL SELECTION OF THREATENING FACES IN SOCIAL ANXIETY - EVIDENCE FROM STEADY-STATE VEPS  
*M. J. Wieser, L. M. McTeague, A. Keil, Würzburg*
- T24-8A** CONFLICT AND ERROR PROCESSING OF THE RAT: A MICROPET AND ERP STUDY  
*C. Marx, M. Ullsperger, R. Graf, H. Endepols, Köln*



- T24-9A** DECODING VISUAL STIMULI FROM ~40 HZ GAMMA-BAND OSCILLATIONS AT THEIR NEURAL REPRESENTATIONS BY SURFACE EEG RECORDINGS  
*R. Polania, W. Paulus, M. A. Nitsche, Göttingen*
- T24-10A** DISTINCT STAGES OF EMOTIONAL FACE PROCESSING UNDER DIFFERENT TASK CONDITIONS AS REVEALED BY INDEPENDENT COMPONENT ANALYSIS  
*J. Rellecke, A. Schacht, W. Sommer, Berlin*
- T24-11A** DOPAMINE IN THE DORSOMEDIAL STRIATUM SUPPORTS CONTINGENCY LEARNING IN RATS  
*S. Braun, W. Hauber, Stuttgart*
- T24-12A** EFFECTS OF PHYSICAL AND SOCIAL ENVIRONMENTAL ENRICHMENT ON 50-KHZ ULTRASONIC VOCALIZATIONS IN RATS  
*J. C. Brenes, R. K. Schwarting, Marburg*
- T24-13A** EXPLORING THE NEURAL BASIS OF GRAPHEME-COLOUR SYNAESTHESIA- A FMRI STUDY  
*C. Sinke, J. Neufeld, W. Dillo, H. M. Emrich, M. Zedler, Hannover*

## Friday

- T24-1B** FEEDBACK INHIBITORY CONTROL OF EXCITATORY SIGNAL INTEGRATION IN CA1 PYRAMIDAL NEURONS DURING THETA PATTERNED PYRAMIDAL NEURON FIRING  
*C. Mueller, Bonn*
- T24-2B** FORWARD AND BACKWARD FEAR CONDITIONING IN RATS MEASURED BY FEAR-POTENTIATED STARTLE: CHARACTERIZATION AND NEURAL BASIS  
*M. Fendt, S. Imobersteg, Basel, Switzerland*
- T24-3B** GATING OF VISUAL PROCESSING BY SELECTIVE ATTENTION AS OBSERVED IN LFP DATA OF MONKEY AREA V4  
*D. Rotermund, U. A. Ernst, K. R. Pawelzik, S. D. Neitzel, S. Mandon, A. K. Kreiter, Bremen*
- T24-4B** IMPLICIT AND EXPLICIT EFFECTS OF AUTHENTICITY ON THE PERCEPTION OF EMOTIONAL PROSODY IN SPEECH  
*M. Drolet, R. I. Schubotz, J. Fischer, Göttingen*
- T24-5B** INFLUENCE OF AUTHENTICITY ON THE EMOTIONAL EXPRESSION IN SPEECH  
*R. Jürgens, K. Hammerschmidt, J. Fischer, Göttingen*
- T24-6B** LOCAL FIELD POTENTIALS AND SPIKES IN MONKEY POSTERIOR PARIETAL CORTEX CONVEY INDEPENDENT INFORMATION ABOUT MOVEMENT PLANS IN A REVERSING PRISM TASK  
*S. Kuang, A. Gail, Göttingen*
- T24-7B** MATERNAL SEPARATION-INDUCED HISTONE MODIFICATIONS IN FRONTAL CORTEX OF MICE  
*L. Xie, A. K. Braun, J. Bock, Magdeburg*



- T24-8B** MOTIVATIONAL INFLUENCES ON EFFORT-BASED DECISION MAKING IN RATS: THE ROLE OF DOPAMINE IN THE NUCLEUS ACCUMBENS  
*B. Mai, W. Hauber, Stuttgart*
- T24-9B** NEURONS IN THE LABERAL HABENULAR COMPLEX PROJECT EITHER TO THE DOPAMINERGIC VTA OR TO THE SEROTONERGIC RAPHE NUCLEI IN THE MIDBRAIN OF THE RAT  
*R. Bernard, R. W. Veh, Berlin*
- T24-10B** OPTIMAL TIME PERCEPTION WITH MULTISENSORY CUES: DISSECTING THE EFFECTS OF PERCEIVED AND PERFORMED MOTION  
*J. Hass, S. Blaschke, J. M. Herrmann, Mannheim*
- T24-11B** PUPIL DILATION REFLECTS UNEXPECTED UNCERTAINTY: A ROLE FOR NORADRENALIN IN DECISION-MAKING  
*W. Einhäuser, B. M. 't Hart, K. Preusschoff, Marburg*
- T24-12B** SINGLE CELL ATTENTION-DEPENDENT MODULATIONS IN MONKEY AREA MT THAT CORRELATE WITH REACTION TIME DIFFERENCES IN RESPONSE TO BEHAVIORALLY RELEVANT SPEED CHANGES  
*F. O. Galashan, H. C. Rempel, A. K. Kreiter, D. Wegener, Bremen*
- T24-13B** SPATIAL AND FEATURE-BASED ATTENTIONAL MODULATIONS IN AREA MT AND MST OF MACAQUE VISUAL CORTEX  
*S. Baloni, D. Kaping, S. Treue, Göttingen*

## Saturday

- T24-1C** SUBCHRONIC ADMINISTRATION OF KETAMINE PRODUCES LONG-LASTING COGNITIVE INFLEXIBILITY IN RATS  
*A. Nikiforuk, P. Popik, Kraków, Poland*
- T24-2C** TASK-DEPENDENT ATTENTIONAL MODULATION OF HUMAN DIRECTION DISCRIMINABILITY  
*E. Spanou, S. Treue, Göttingen*
- T24-3C** TASK-EVOKED PUPILLARY RESPONSE IN DUAL-TASK SITUATIONS  
*Y. Shi, E. Müller, M. Buss, E. Schneider, T. Schubert, München*
- T24-4C** TEMPORAL DYNAMICS OF THE EARLY POSTERIOR NEGATIVITY (EPN) IN EMOTIONAL VERBS AND NOUNS  
*M. Palazova, W. Sommer, A. Schacht, Berlin*
- T24-5C** THE GRADUAL NATURE OF RIVALRY  
*S. Frässle, M. Naber, W. Einhäuser, Marburg*
- T24-6C** THE NEURAL CORRELATES OF COLOURED MUSIC: A FUNCTIONAL MRI INVESTIGATION OF AUDITORY-VISUAL SYNAESTHESIA  
*J. Neufeld, C. Sinke, W. Dillo, H. M. Emrich, M. Zedler, Hannover*

- T24-7C** THE RELATION BETWEEN MORPHOLOGICAL AND ELECTROPHYSIOLOGICAL PROPERTIES AND TOPOGRAPHICAL ALLOCATION OF NEURONS WITHIN THE RAT LATERAL HABENULAR COMPLEX  
*T. Weiß, R. W. Veh, Berlin*
- T24-8C** THE ROLE OF DOPAMINE IN THE DORSOMEDIAL STRIATUM IN GENERAL AND OUTCOME-SELECTIVE PAVLOVIAN-INSTRUMENTAL TRANSFER  
*S. M. Pielock, B. Lex, W. Hauber, Stuttgart*
- T24-9C** THE SALIENCY OF ATTENTION-CAPTURING EVENTS MODULATES THE DURATION OF EXOGENOUS ATTENTION  
*A. Lochte, J. Krebs, S. Treue, Göttingen*
- T24-10C** THE UTILIZATION OF ACOUSTIC LANDMARKS FOR ORIENTATION IN HUMANS WITHOUT VISION  
*D. Schmidtke, S. Galinski, K.-H. Esser, Hannover*
- T24-11C** TO THREAT OR TO PUNISH – WHAT MAKES THE DIFFERENCE  
*S. Richter, U. Kraemer, C. Libeau, A. Deibele, A. Barman, C. Seidenbecher, B. Schott, T. F. Munte, Bonn*
- T24-12C** ULTRASONIC VOCALIZATIONS THROUGHOUT THE RAT'S LIFESPAN: EFFECTS OF STRAIN, SEX AND TESTING CONDITIONS  
*C. Natusch, A. Lewik, R. K. Schwarting, Marburg*
- T24-13C** VERY EARLY EMOTION EFFECTS FOR POSITIVE WORDS IN EVENT-RELATED BRAIN POTENTIALS  
*M. Bayer, W. Sommer, A. Schacht, Berlin*
- T24-14C** SPATIAL REPRESENTATION OF DYNAMIC OBJECTS WITHIN WORKING MEMORY IN A COLLISION AVOIDANCE TASK  
*G. Hardiess, T. Müller, S. Storch, H. A. Mallot, Tübingen*

## T25: Learning and memory

### Thursday

- T25-1A** A BEHAVIOURAL ODOUR-SIMILARITY 'SPACE' IN LARVAL *DROSOPHILA*  
*Y.-C. Chen, D. Mishra, L. Schmitt, M. Schmucker, B. Gerber, Würzburg*
- T25-2A** A CRITICAL ROLE FOR PKA IN THE ACQUISITION OF GREGARIOUS BEHAVIOUR IN THE DESERT LOCUST  
*S. R. Ott, H. Verlinden, S. M. Rogers, Cambridge, United Kingdom*
- T25-3A** A MODEL FOR INHERITANCE OF HIPPOCAMPAL PHASE PRECESSION: FROM CA3 TO CA1  
*J. H. Jaramillo, R. Schmidt, R. Kempter, Berlin*



- T25-4A** A VIRTUAL ENVIRONMENT FOR INSECTS: EXTRACELLULAR BRAIN RECORDINGS IN WALKING HONEYBEES  
*N. V. de Camp, R. Bartels, S. Hantke, R. Menzel, Berlin*
- T25-5A** ACETYLATION-DEPENDENT MODULATION OF MEMORY IN THE HONEYBEES: TOWARDS THE IDENTIFICATION OF THE REGULATED GENES  
*K. Merschbächer, U. Müller, Saarbrücken*
- T25-6A** ANALYSIS OF A WORKING MEMORY FOR VISUAL ORIENTATION IN WALKING *DROSOPHILA*  
*S. Kuntz, B. Poeck, M. Sokolowski, R. Strauss, Mainz*
- T25-7A** ASSOCIATIVE OLFACTORY LEARNING IN *SCHISTOCERCA GREGARIA*  
*P. M. Simoes, S. R. Ott, J. E. Niven, Cambridge, United Kingdom*
- T25-8A** AVERSIVE VISUAL LEARNING IN *DROSOPHILA MELANOGASTER*  
*K. Vogt, C. Schnaitmann, S. Triphan, H. Tanimoto, Martinsried*
- T25-9A** AVOIDANCE TRAINING IN INFANCY BLOCKS ADULT AVOIDANCE LEARNING IN MICE: THE IMPACT OF AGE AND UNDERLYING EPIGENETIC MECHANISMS  
*A. Maas, K. Braun, Magdeburg*
- T25-10A** BDNF MODULATES THE POSTNATAL EXTENSION OF DENDRITES IN THE CNS IN AN AREA-SPECIFIC WAY  
*A. Remus, M. Zagrebelsky, S. Schild, M. Polack, M. Korte, Braunschweig*
- T25-11A** BEHAVIORAL AND SYNAPTIC PLASTICITY ARE IMPAIRED UPON LACK OF THE SYNAPTIC PROTEIN SAP47  
*T. Saumweber, A. Weyhersmueller, S. Hallermann, B. Michels, D. Bucher, N. Funk, D. Reisch, G. Krohne, S. Wegener, E. Buchner, B. Gerber, Leipzig*
- T25-12A** BEHAVIOURAL PHENOTYPING OF SHANK1 NULL MUTANT MICE: SOCIAL AND NON-SOCIAL COGNITION  
*S. Röskam, I. Fülber, R. Dodel, R. Schwarting, A. Hung, M. Sheng, M. Wöhr, Marburg*
- T25-13A** BRAIN PROTEOME CHANGES AFTER MEMORY-ENHANCING DOPAMINE AGONIST TREATMENT  
*N. Reichenbach, T. Kähne, H. Schicknick, D. C. Dieterich, E. D. Gundelfinger, K.-H. Smalla, W. Tischmeyer, Magdeburg*
- T25-14A** CELLULAR SITE AND MOLECULAR MODE OF SYNAPSIN ACTION IN ASSOCIATIVE LEARNING  
*B. Michels, Y.-C. Chen, T. Saumweber, D. Mishra, H. Tanimoto, B. Schmid, O. Engmann, B. Gerber, Leipzig*
- T25-15A** COMMON REQUIREMENT OF SYNAPSIN IN PUNISHMENT- AND PAIN RELIEF-LEARNING  
*T. Niewalda, B. Michels, A. Yarali, J. Bretzger, S. Diegelmann, B. Gerber, Leipzig*

- T25-16A** CORTICAL NEURODYNAMICS DURING AUDIOVISUAL CATEGORY TRANSFER IN RODENTS  
*A. Fillbrandt, F. W. Ohl, Magdeburg*
- T25-17A** DISCRIMINATION LEARNING DEPENDS ON THE ARRANGEMENT OF TRAINING STIMULI  
*R. J. De Marco, S.-B. Li, T. Oviedo, G. Köhr, M. Trevino, Heidelberg*
- T25-18A** EFFECTS OF CHRONIC AND ACUTE BDNF DEFICIENCY ON FEAR LEARNING  
*T. Endres, A. Ö. Sungur, A. Petzold, V. Lessmann, Magdeburg*
- T25-19A** ESTABLISHMENT OF FOOD VECTORS BY DESERT ANTS, *CATAGLYPHIS FORTIS*  
*S. Bolek, K. J. Schwannauer, H. Wolf, Ulm*
- T25-20A** EVIDENCE FOR ONE-SHOT LEARNING IN THE HONEYBEE  
*E. Pamir, N. Stollhoff, K. Gehring, N. K. Chakraborty, R. Menzel, D. Eisenhardt, M. Nawrot, Berlin*
- T25-21A** FEAR EXTINCTION LEARNING IN HETEROZYGOUS BDNF KNOCKOUT MICE  
*L. Psotta, V. Lessmann, T. Endres, Magdeburg*
- T25-22A** FEAR LEARNING AND EXTINCTION IN AN AUTOMATED HOME CAGE (DUALCAGE) ENVIRONMENT  
*T. Hager, R. Jansen, A. Pieneman, D. Eckert, S. Schwarz, C. Gutzen, O. Stiedl, Amsterdam, The Netherlands*
- T25-23A** FUNCTIONAL ANALYSIS OF THE OCTOPAMINERGIC/TYRAMINERGIC SYSTEM IN *DROSOPHILA* LARVAL CLASSICAL OLFACTORY CONDITIONING  
*D. Pauls, M. Selcho, C. Wegener, R. Stocker, A. Thum, Marburg*
- T25-24A** GENERALIZATION AND TRANSFER IN HONEYBEE NAVIGATION  
*K. Lehmann, U. Greggers, R. Menzel, Berlin*
- T25-25A** DIFFERENTIAL DOPAMINERGIC CIRCUITS FOR THE FORMATION OF OLFACTORY MEMORY IN *DROSOPHILA*  
*H. Tanimoto, A. Yoshinori, I. Siwanowicz, C. Liu, Martinsried*

## Friday

- T25-1B** HEBBIAN PLASTICITY COMBINED WITH HOMEOSTASIS SHOWS STDP-LIKE BEHAVIOR  
*C. Tetzlaff, C. Kolodziejcki, F. Wörgötter, Göttingen*
- T25-2B** HOMING PIGEONS WITH NAVIGATIONAL EXPERIENCE SHOW A MORE LATERALISED BRAIN THAN PIGEONS WITHOUT NAVIGATIONAL EXPERIENCE  
*J. Mehlhorn, G. Rehkämper, Düsseldorf*
- T25-3B** HONEYBEES INTEGRATE LEARNED AND COMMUNICATED FLIGHT VECTORS IN NAVIGATION  
*A. Kirbach, J. Fuchs, K. Lehmann, U. Greggers, R. Menzel, Berlin*



- T25-4B** HOW OUTCOME EXPECTATIONS ORGANIZE LEARNED BEHAVIOUR IN LARVAL *DROSOPHILA*  
*M. Schleyer, W. Nahrendorf, B. Fischer, T. Saumweber, B. Gerber, Leipzig*
- T25-5B** INCREASE OF FEARLESSNESS AND LATENCY BEHAVIOR OF PRNP0/0 MICE  
*M. Schmitz, C. Greis, W. Schulz-Schaeffer, A. Fischer, I. Zerr, Göttingen*
- T25-6B** INCREASED PUPIL SIZE DISTINGUISHES FAMILIAR FROM NOVEL IMAGES  
*M. Naber, U. Rutishauser, W. Einhäuser, Marburg*
- T25-7B** INTERACTION OF GENETICS AND ENVIRONMENTAL INFLUENCES DURING FEAR EXTINCTION IN 5-HTT KNOCK-OUT MICE  
*V. Narayanan, J. Lesting, R. Heimig, F. Jansen, N. Sachser, K.-P. Lesch, H.-C. Pape, T. Seidenbecher, Münster*
- T25-8B** LEARNING FROM POSITIVE AND NEGATIVE REWARDS  
*W. Potjans, A. Morrison, M. Diesmann, Jülich*
- T25-9B** LEARNING TO NAVIGATE: ORIENTATION FLIGHTS OF YOUNG HONEYBEES  
*J. Fuchs, A. Kirbach, K. Lehmann, U. Greggers, R. Menzel, Berlin*
- T25-10B** MAPPING OF REGIONAL BRAIN ACTIVITY DURING TWO-WAY ACTIVE AVOIDANCE BEHAVIOR USING 2-FDG AUTORADIOGRAPHY AND IN-VIVO SPECT IMAGING  
*A. Mannewitz, J. Goldschmidt, A. Riedel, M. Gruss, J. Bock, K. Braun, Magdeburg*
- T25-11B** MAPPING THE INDIVIDUAL BODY-SIZE REPRESENTATION UNDERLYING CLIMBING CONTROL IN THE BRAIN OF *DROSOPHILA MELANOGASTER*  
*T. Krause, R. Strauss, Mainz*
- T25-12B** MEMOTAXIS: AN ADVANCED ORIENTATION STRATEGY IN FRUIT FLIES AND ITS CONSEQUENCES IN VISUAL TARGETING AND TEMPERATURE ORIENTATION  
*C. Berg, J. A. Villacorta, V. Makarov, M. G. Velarde, P. Arena, L. Patane, P. S. Termini, R. Strauss, Mainz*
- T25-13B** NEURAL CORRELATES OF COMBINED OLFACTORY AND VISUAL LEARNING IN MUSHROOM BODY EXTRINSIC NEURONS OF THE HONEYBEE (*APIS MELLIFERA*)  
*I. Klinke, R. Menzel, Berlin*
- T25-14B** NEUROBEHAVIORAL CHANGES IN MICE OFFSPRING INDUCED BY PRENATAL EXPOSURE TO LIPOPOLYSACCHARIDES  
*H. Ebaid, J. Ajarem, G. Abu-Taweel, Riyadh, Saudi Arabia*

- T25-15B** NEUROMODULATION OF AVOIDANCE LEARNING BY THE VENTRAL TEGMENTAL AREA AND LATERAL HABENULA: DIFFERENTIAL EFFECTS ON ACQUISITION, RETRIEVAL, LONG-TERM RETENTION AND EXTINCTION  
*A. I. Micheal, J. Shumake, W. Wetzel, H. Scheich, F. Ohl, Magdeburg*
- T25-16B** NEWBORN CELLS AFTER CORTICAL SPREADING DEPRESSION – PROLIFERATION, SURVIVAL AND FUNCTIONAL CONTRIBUTION TO HIPPOCAMPUS DEPENDENT LEARNING AND MEMORY  
*E. Baum, O. W. Witte, A. Urbach, Jena*
- T25-17B** NOGO-A STABILIZES THE ARCHITECTURE OF HIPPOCAMPAL NEURONS  
*M. Zagrebelsky, M. E. Schwab, M. Korte, Braunschweig*
- T25-18B** OBSERVATION OF NETWORK DYNAMICS IN MOUSE HIPPOCAMPAL SLICES USING GENETICALLY-ENCODED FLUORESCENT CA<sup>2+</sup> SENSORS  
*S. Reichinnek, A. von Kameke, E. Freitag, A. Hagenston, H. Bading, M. Hasan, A. Draguhn, M. Both, Heidelberg*
- T25-19B** ODOUR-MIXTURE PERCEPTION IN *DROSOPHILA*  
*C. Eschbach, B. Gerber, Würzburg*
- T25-20B** OLFACTORY MEMORIES ARE INTENSITY-SPECIFIC IN LARVAL *DROSOPHILA*  
*D. Mishra, Y. C. Chen, A. Yarali, B. Gerber, Würzburg*
- T25-21B** PHASE PRECESSION OF ENTORHINAL GRID CELLS IN TWO-DIMENSIONAL ENVIRONMENTS  
*E. T. Reifenstein, M. B. Stemmler, A. V. Herz, S. Schreiber, Berlin*
- T25-22B** PHASE-DEPENDENT NEURONAL CODING OF OBJECTS IN SHORT-TERM MEMORY  
*M. Siegel, M. R. Warden, E. K. Miller, Tübingen*
- T25-23B** PHOSPHORYLATED CREB IS PREDOMINANTLY LOCATED IN THE MUSHROOM BODIES OF HONEYBEES  
*K. B. Gehring, I. Kersting, K. Hoffmann, D. Eisenhardt, Berlin*
- T25-24B** DIFFERENCES IN SPATIAL LEARNING AND MEMORY BETWEEN PUBERTAL AND LATE ADOLESCENT MALE WISTAR RATS ARE RELATED TO ESTRADIOL RATHER THAN TESTOSTERONE  
*K. Meyer, V. Korz, Magdeburg*

## Saturday

- T25-1C** POTENTIAL ROLE OF PCAMKII IN NEURONAL AND BEHAVIOURAL PLASTICITY IN THE HONEYBEE  
*C. Scholl, T. S. Muenz, E. Pasch, W. Rössler, Würzburg*
- T25-2C** RAPID PROCESSING OF ANIMALS IN NATURAL SCENES: IMAGE FEATURES AND ANXIETY  
*M. F. Hilger, M. Naber, W. Einhäuser, Marburg*



- T25-3C** RESCUE OF A SPATIAL ORIENTATION MEMORY AND CHARACTERIZATION OF THE *DROSOPHILA* MUTANT *ELLIPSOID-BODY-OPEN*  
*J. Thran, B. Poeck, R. Strauss, Mainz*
- T25-4C** RESCUE OF RUGOSE, THE FLY HOMOLOGUE OF NEUROBEACHIN  
*S. Scholz, K. Volders, M. Efetova, M. Schwärzel, Berlin*
- T25-5C** RESCUE OF THE DUNCE LEARNING MUTATION  
*L. Scheunemann, A. Richlitzki, E. Jost, A. Thum, S. Davies, J. D. Day, M. Efetova, M. Schwärzel, Berlin*
- T25-6C** RESPONSES TO SOCIAL STIMULI IN THE RAT HIPPOCAMPUS  
*M. von Heimendahl, M. Brecht, Berlin*
- T25-7C** RETRIEVAL OF LONG-TERM MEMORY AFTER UNILATERAL OLFACTORY CONDITIONING OF THE HONEYBEE PROBOSCIS EXTENSION REFLEX  
*J. Fischer, B. Grünewald, Frankfurt/Main*
- T25-8C** REVERSAL LEARNING IN HONEYBEES – A BEHAVIORAL AND AN ELECTROPHYSIOLOGICAL STUDY  
*R. Hadar, R. Menzel, Berlin*
- T25-9C** SHORT AND LONG-TERM CHANGES IN SEROTONERGIC NEURONES REFLECT THE INDUCTION OF BEHAVIOURAL PHASE CHANGE IN DESERT LOCUSTS  
*S. M. Rogers, S. R. Ott, Cambridge, United Kingdom*
- T25-10C** SPATIAL ORIENTATION IN JAPANESE QUAILS (*COTURNIX COTURNIX JAPONICA*)  
*T. Ruploh, A. Kazek, H.-J. Bischof, Bielefeld*
- T25-11C** SPIKELETS IN HIPPOCAMPAL CA1 PYRAMIDAL NEURONS ARE HIGHLY CORRELATED WITH SPIKES AT A NEAR BY UNIT  
*E. Chorev, M. Brecht, Berlin*
- T25-12C** TEMPORAL DYNAMICS OF REWARD PREDICTION IN MUSHROOM BODY OUTPUT NEURONS IN THE HONEYBEE  
*T. D'Albis, M. Strube-Bloss, R. Menzel, M. P. Nawrot, Berlin*
- T25-13C** TESTING THE BEHAVIOURAL RELEVANCE OF GABAERGIC INTERNEURONS IN CORTICAL CIRCUITS  
*P. Wulff, J. Sauer, M. Bartos, W. Wisden, G. Riedel, A. Murray, Aberdeen, United Kingdom*
- T25-14C** THE EFFECTS OF TRANSCRANIAL DIRECT CURRENT STIMULATION OF THE RIGHT DORSOLATERAL PREFRONTAL CORTEX ON PLANNING PERFORMANCE  
*C. A. Dockery, C. Plewnia, N. Birbaumer, Tübingen*
- T25-15C** THE FRUIT FLIES' BASIC STRATEGIES OF HUMIDITY-ORIENTATION AND A NEW CHALLENGE FOR THE MUSHROOM BODIES  
*B. Zaepf, C. Regenauer, R. Strauss, Mainz*



- T25-16C** THE IMPACT OF SEX, DIURNAL PHASE AND CONDITIONED STIMULUS MODALITY ON INFANT AND ADULT TWO-WAY ACTIVE AVOIDANCE LEARNING IN RATS  
*M. Gruss, C. Rockahr, K. Braun, Magdeburg*
- T25-17C** THE PROTOCEREBRAL BRIDGE HOLDS A REPRESENTATION FOR OBJECT POSITIONS – ORIENTATION STUDIES IN OCELLILESS<sup>1</sup> AND WILD-TYPE FLIES WITH PARTIALLY OCCLUDED EYES  
*H. M. Joger, C. Kauf, U. Prochazka, R. Strauss, Mainz*
- T25-18C** THE ROLE OF EPAC IN SYNAPTIC AND BEHAVIORAL PLASTICITY. A CASE STUDY IN *DROSOPHILA*  
*M. Efetova, S. Scholz, K. Rosiewicz, M. Schwarzel, Berlin*
- T25-19C** THE ROLE OF HAEMOLYMPH GLUCOSE IN HONEYBEE LEARNING AND MEMORY  
*K. Rether, U. Müller, Saarbrücken*
- T25-20C** THE UBIQUITIN-PROTEASOME SYSTEM (UPS) MEDIATES THE BALANCE BETWEEN LONG-TERM MEMORIES FOR CLASSICAL CONDITIONING AND EXTINCTION IN THE HONEYBEE (*APIS MELLIFERA*)  
*J. Felsenberg, V. Dombrowski, D. Eisenhardt, Berlin*
- T25-21C** THETA SYNCHRONIZATION AND PHASE DISTRIBUTION OF UNIT ACTIVITIES IN AMYGDALO-HIPPOCAMPAL-PREFRONTAL CORTICAL CIRCUITS DURING FEAR MEMORY CONSOLIDATION AND EXTINCTION  
*J. Lesting, C. Kluge, R. T. Narayanan, H.-C. Pape, T. Seidenbecher, Münster*
- T25-22C** TOWARDS THE UNDERSTANDING OF COMPLEX HUMAN DECISION AND LEARNING PROCESSES ACROSS THE LIFE-SPAN  
*A. Naito, W. Boehmer, A. Marschner, T. Sommer, C. Buechel, K. Obermayer, Berlin*
- T25-23C** WHAT IMPACT DO VARYING REWARD MAGNITUDES HAVE ON ASSOCIATIVE STRENGTH, MEMORY FORMATION, AND EXTINCTION IN CLASSICAL CONDITIONING OF HARNESSSED HONEYBEES (*APIS MELLIFERA*)?  
*K. Gravel, K. Marter, D. Eisenhardt, Berlin*
- T25-24C** WHERE DOES POTEIN-KINASE A SUPPORT ODOR MEMORY? FUNCTIONAL MEMORY MAPS BASED ON A RNAI KNOCKDOWN APPROACH  
*A. Richlitzki, M. Efetova, M. Schwärzel, Berlin*
- T25-25C** WHY FEED-FORWARD STRUCTURE FAILS TO PROPAGATE IN PLASTIC RECURRENT NETWORKS  
*S. Kunkel, M. Diesmann, A. Morrison, Freiburg*



## T26: Computational neuroscience

### Thursday

- T26-1A** A BAYESIAN GRAPHICAL MODEL FOR THE INFLUENCE OF AGENCY ATTRIBUTION ON PERCEPTION AND CONTROL OF SELF-ACTION  
*T. F. Beck, C. Wilke, B. Wixel, D. Endres, A. Lindner, M. A. Giese, Tübingen*
- T26-2A** A LEARNING NEURAL FIELD MODEL OF DECISION MAKING  
*C. Klaes, S. Schneegans, G. Schöner, A. Gail, Göttingen*
- T26-3A** A MACHINE LEARNING APPROACH TO ESTIMATION OF AUDITORY SPECTRO-TEMPORAL RECEPTIVE FIELDS  
*A.-F. Meyer, J.-P. Diepenbrock, M. Happel, F. Ohl, J. Anemüller, Oldenburg*
- T26-4A** A MINIMAL MODEL OF METABOLIC ENERGY MANAGEMENT IN THE BRAIN  
*F. A. Dehmelt, C. K. Machens, Paris, France*
- T26-5A** A PARAMETRIC FREE METHOD FOR ESTIMATING HIGH DIMENSIONAL TUNING CURVES  
*D.-M. Patirniche, A. Mathis, M. Stemmler, A. Herz, Martinsried*
- T26-6A** BEYOND LOCAL CORTICAL NETWORK MODELING: LINKING MICROSCOPIC AND MACROSCOPIC CONNECTIVITY IN BRAIN-SCALE SIMULATIONS  
*T. C. Potjans, S. Kunkel, A. Morrison, H. E. Plesser, M. Diesmann, Jülich*
- T26-7A** BURSTING DYNAMICS IN OPTICALLY STIMULATED NEURONAL NETWORKS  
*G. Afshar, A. El Hady, W. Stuehmer, F. Wolf, Göttingen*
- T26-8A** CAPACITY MEASUREMENT OF A RECURRENT NEURAL NETWORK  
*C.-W. Yuan, M. Simkovic, N. Chenkov, C. Leibold, Martinsried*
- T26-9A** COGNITIVE AGEING AS MULTI-OBJECTIVE OPTIMIZATION: IMPLICATIONS OF A NEURAL MODEL  
*S. Dasgupta, J. M. Herrmann, Göttingen*
- T26-10A** COMBINED CONTROL STRATEGIES FOR ADVANCED LOCOMOTION CONTROL IN A SIX-LEGGED ROBOT  
*M. Biehl, F. Hesse, P. Manoonpong, F. Wörgötter, Göttingen*
- T26-11A** COMPARISON BETWEEN UNSUPERVISED LEARNING ALGORITHMS FOR THE EXTRACTION OF MUSCLE SYNERGIES  
*E. Chiovetto, L. Omlor, A. d'Avella, M. Giese, Tübingen*

- T26-12A** CORTICAL NETWORKS WITH STABLE LOW FIRING RATES AND HIGH SINGLE-CELL STIMULATION SENSITIVITY: STABILITY VERSUS SENSITIVITY IN A NETWORK OF COUPLED BINARY NEURONS  
*J. Goulet, A. Houweling, C. Colomer, P. H. Tiesinga, Nijmegen, The Netherlands*
- T26-13A** DECORRELATION OF NEURAL-NETWORK ACTIVITY BY INHIBITORY FEEDBACK  
*T. Tetzlaff, M. Helias, G. T. Einevoll, M. Diesmann, Ås, Norway*
- T26-14A** DEVELOPMENT OF A SALT AND PEPPER ORGANIZATION OF ORIENTATION PREFERENCE IN VISUAL CORTICAL NETWORKS  
*J. D. Florez Weidinger, F. Wolf, Göttingen*
- T26-15A** DYNAMIC EFFECTIVE CONNECTIVITY: THEORY AND DATA ANALYSIS  
*D. Battaglia, A. Witt, F. Wolf, A. Gail, T. Geisel, Göttingen*
- T26-16A** ESTIMATION OF SMALL-WORLD TOPOLOGY OF CORTICAL NETWORKS USING GENERALIZED LINEAR MODELS  
*F. Gerhard, G. Pipa, W. Gerstner, Lausanne, Switzerland*

## Friday

- T26-1B** FINITE BRAINS SEE SINGLE SPIKES  
*M. Helias, T. Tetzlaff, M. Diesmann, Wako-shi, Japan*
- T26-2B** HOW LOCAL IS THE LOCAL FIELD POTENTIAL?  
*H. A. Linden, T. Tetzlaff, T. C. Potjans, K. H. Pettersen, S. Grün, M. Diesmann, G. T. Einevoll, Ås, Norway*
- T26-3B** HOW MUCH SYNCHRONY WOULD THERE BE IF THERE WAS NO SYNCHRONY?  
*M. Schultze-Kraft, M. Helias, M. Diesmann, S. Gruen, Berlin*
- T26-4B** INHERITANCE OF BEHAVIOR BY MEMORY-STRINGS  
*T. Kromer, Zwiefalten*
- T26-5B** LINKING POWER LAWS FOR MICROSCOPIC AND MACROSCOPIC MEASURES OF NEURAL ACTIVITY  
*G. T. Einevoll, K. H. Pettersen, H. Linden, T. Tetzlaff, Ås, Norway*
- T26-6B** MATHEMATICAL ANALYSIS OF EVOKED AND SPONTANEOUS EXTRACELLULAR FIELD POTENTIALS IN HIPPOCAMPAL SLICES IN MICE  
*R. Mueller, P. Igelmund, H. C. Scheiblich, A. Brockhaus-Dumke, T. Schneider, Köln*
- T26-7B** MATURATION OF ENCODING AND ACTION POTENTIAL ONSET DYNAMICS IN NEOCORTICAL NEURONS  
*M. Chistyakova, A. Malyshev, E. Kuleshova, F. Wolf, M. Volgushev, Storrs, USA*



- T26-8B** MICROCIRCUITS OF GRID- AND HEAD-DIRECTION SYSTEMS IN THE RAT MEDIAL ENTORHINAL CORTEX  
*A. Burgalossi, L. Herfst, M. von Heimendahl, H. Förste, M. Schmidt, M. Brecht, Berlin*
- T26-9B** MODELING NON-STATIONARITY AND INTER-SPIKE DEPENDENCY IN HIGH-LEVEL VISUAL CORTICAL AREA STSA  
*D. M. Endres, M. W. Oram, Tübingen*
- T26-10B** MODELLING STUDY OF THE CELLULAR MECHANISMS SHAPING THE MULTIPHASIC RESPONSE OF MOTH PHEROMONE-SENSITIVE PROJECTION NEURONS  
*Y. Gu, H. Belmabrouk, A. Chaffiol, J.-P. Rospars, D. Martinez, Versailles, France*
- T26-11B** MODELLING THE DISTAL REWARD PROBLEM  
*N. Chenkov, R. Schmidt, R. Kempster, Berlin*
- T26-12B** NETWORK MECHANISMS FOR THE MODULATION OF GAMMA SPIKE PHASE BY STIMULUS STRENGTH AND ATTENTION  
*P. Tiesinga, T. J. Sejnowski, Nijmegen, The Netherlands*
- T26-13B** ON THE CONTRIBUTION OF STRUCTURAL INHOMOGENEITIES TO NETWORK BURST INITIATION AND PROPAGATION IN DISSOCIATED CORTICAL CULTURES  
*S. Jarvis, S. Rotter, U. Egert, Freiburg*
- T26-14B** OPTIMAL DISTRIBUTION OF SPATIAL PERIODS FOR GRID CELLS ENSEMBLES ON FINITE SPACE  
*A. Mathis, M. Stemmler, A. Herz, Martinsried*
- T26-15B** OPTIMISATION OF TONICALLY FIRING NEURONES  
*B. Sengupta, J. E. Niven, S. B. Laughlin, M. Stemmler, Cambridge, United Kingdom*

## Saturday

- T26-1C** OPTIMIZING CHARGE-BALANCED BIPOLAR RECTANGULAR CURRENT PULSES FOR LOW-THRESHOLD NEURONAL STIMULATION  
*T. Schanze, Gießen*
- T26-2C** PROPERTIES OF STATISTICAL TESTS FOR SPIKE COINCIDENCES  
*C. Braune, S. Grün, C. Borgelt, Mieres, Spain*
- T26-3C** RATE DYNAMICS IN HIGHLY STRUCTURED POPULATION MODELS OF THE RAT AMYGDALA  
*O. Schmitt, E. Peter, A. Wree, K.-P. Schmitz, Rostock*
- T26-4C** REFRACTORINESS OF INDIVIDUAL NEURONS EXPOSED IN POPULATION SPIKE TRAINS  
*M. Deger, M. Helias, C. Boucsein, S. Rotter, Freiburg*
- T26-5C** RELIABILITY AND INFORMATION TRANSFER IN RESONATE-AND-FIRE MODELS WITH HYPERPOLARIZING RESETS  
*W. Wu, S. Schreiber, Berlin*

- T26-6C** SINGLE DROPS DECIDE ABOUT RISE AND FALL OF THE DIFFUSION APPROXIMATION - NEURONAL CONSEQUENCES OF PULSED COMMUNICATION  
*M. Diesmann, M. Helias, M. Deger, S. Rotter, Wako-shi, Japan*
- T26-7C** SPIKE INITIATION AND RESPONSE DYNAMICS OF NEURONAL MODELS WITH COOPERATIVELY GATING  $Na^+$  CHANNELS  
*P. Öz, M. Huang, F. Wolf, Göttingen*
- T26-8C** SPIKE SORTING BY STOCHASTIC SIMULATION  
*D. Ge, E. Le Carpentier, J. Idier, D. Farina, Malakoff, France*
- T26-9C** SPIKE SORTING OF RETINAL GANGLION CELL RESPONSES EFFECTS STIMULUS RECONSTRUCTION AND CHANGE-POINT DETECTION  
*L. S. Köpcke, L. M. Juárez Paz, I. Winzenborg, J. Kretzberg, Oldenburg*
- T26-10C** SPIKING ACTIVITY REFLECTS STRUCTURE IN NETWORKS INCORPORATING NONLINEAR DENDRITES  
*S. Jahnke, D. Breuer, R.-M. Memmesheimer, M. Timme, Göttingen*
- T26-11C** STATE-DEPENDENT NETWORK RECONSTRUCTION FROM CALCIUM IMAGING SIGNALS  
*O. F. Stetter, D. Battaglia, J. Soriano, T. Geisel, Göttingen*
- T26-12C** SWITCHING BETWEEN UP AND DOWN STATES IN A CONDUCTANCE-BASED CORTEX MODEL  
*J. C. Claussen, A. Weigenand, H. V.-V. Ngo, T. Martinetz, Lübeck*
- T26-13C** THE HONEYBEE OLFACTORY SYSTEM AS A TEMPLATE FOR BETTER NEUROMORPHIC CLASSIFIERS  
*M. Schmuker, C. Häusler, M. P. Nawrot, Berlin*
- T26-14C** THE STRUCTURE OF ENDOGENOUS ACTIVITY IN SPIKING CORTICAL NETWORKS WITH RANDOMLY COUPLED SYNFIRES CHAINS  
*C. Trengove, C. van Leeuwen, M. Diesmann, Wako-shi, Japan*
- T26-15C** VARIABILITY OF GRID CELL FIRING ON A TRIAL-TO-TRIAL BASIS  
*A. V. Herz, C. Kluger, A. Mathis, M. Stemmler, Martinsried*
- T26-16C** WHAT CORRELATION COEFFICIENTS CAN AND CANNOT TELL  
*T. Tchumatchenko, T. Geisel, M. Volgushev, F. Wolf, Göttingen*



## T27: Techniques and demonstrations

### Thursday

- T27-1A** A SETUP FOR AUTOMATED EXPERIMENTS ON VISUAL BEHAVIOR OF FISH UNDER DIFFERENT TEMPERATURE CONDITIONS  
*M. T. Ahlers, J. Ammermüller, Oldenburg*
- T27-2A** A SPECTRAL-SELECTIVE STIMULATOR FOR OBTAINING FULL-FIELD ERGS IN ANIMAL RESEARCH  
*A. Liebau, K.-H. Esser, Hannover*
- T27-3A** ANALYSIS OF DEVELOPMENTAL TRANSCRIPTIONAL PROFILES OF DOPAMINERGIC NEURONS IN ZEBRAFISH BY MEANS OF FACS AND DEEP SEQUENCING  
*M. Manoli, S. Hobitz, A. M. Fernandes, T. Kurz, W. Driever, Freiburg*
- T27-4A** CLUSTER ANALYSIS AS A METHOD TO IDENTIFY MEDULLARY NUCLEI OF TOOTHED WHALES BY ROUTINE HISTOLOGY  
*L. Zehl, H. H. Oelschläger, W. Walkowiak, S. Huggenberger, Köln*
- T27-5A** DEVELOPMENT AND TESTING OF A WIRELESS RAW DATA ACQUISITION SYSTEM FOR NEURONAL ACTIVITIES FROM FREELY MOVING ANIMALS  
*L. Rafflenbeul, R. Werthschützky, A. Gail, Darmstadt*
- T27-6A** DYNAMIC, SEMI-QUANTITATIVE OPTICAL IMAGING OF INTRACELLULAR ROS LEVELS AND REDOX STATUS IN RAT HIPPOCAMPAL NEURONS  
*F. Funke, F. J. Gerich, M. Müller, Göttingen*
- T27-7A** ENHANCING NEURONAL CELL PROLIFERATION USING A 3D CELL CULTURE SYSTEM  
*D. Jgamadze, S. Vogler, S. Pautot, Dresden*
- T27-8A** EXPRESSION OF RECOMBINANT PROTEIN IN HONEYBEE BRAINS BY *IN VIVO* ELECTROPORATION  
*G. Leboulle, N. Gehne, A. Froese, R. Menzel, Berlin*
- T27-9A** CLOSED-LOOP ELECTROPHYSIOLOGICAL EXPERIMENTS AND AUTOMATED METADATA ACQUISITION WITH RELACS  
*J. Benda, J. Grewe, Martinsried*
- T27-10A** THE LABORATORY LOGBOOK A DATABASE-DRIVEN APPROACH FOR PROJECT DOCUMENTATION  
*A. Stoewer, J. Benda, J. Grewe, Martinsried*

### Friday

- T27-1B** EXTENSION OF PROTEASE BASED CELLULAR SENSORS TO ANALYZE COMPLEX SIGNAL PROCESSES IN THE BRAIN  
*W. Hinrichs, M. Rossner, Göttingen*
- T27-2B** FUZZY CLASSIFICATION AND INFERENCE OF INTER-NEURONAL TYPES  
*H. Gutch, D. Battaglia, A. Karagiannis, T. Gallopin, B. Cauli, Göttingen*

- T27-3B** HIGH-THROUGHPUT, QUANTITATIVE MASS SPECTROMETRY OF ACUTELY STIMULATED SYNAPSES  
*S. B. Cambridge, M. Krüger, M. Mann, Heidelberg*
- T27-4B** HOW TO DEAL WITH THE HETEROGENEITY OF NEURAL RESPONSES: A DEMIXING METHOD  
*W. Brendel, C. Machens, Paris, France*
- T27-5B** IN VIVO SPECT-IMAGING OF SPATIAL PATTERNS OF NEURONAL ACTIVITY IN RODENT BRAIN USING 99MTCHMPAO AND 201TLDDC AS TRACERS  
*J. Neubert, A. Kolodziej, M. Zappe, J. Georgi, E. Budinger, A. Ilango, M. Woldeit, F. Angenstein, F. W. Ohl, H. Scheich, J. Goldschmidt, Magdeburg*
- T27-6B** LIGHT-INDUCIBLE PROTEIN SYNTHESIS INHIBITION  
*K. Marter, J. Schaal, J. Eichhorst, J. Colomb, B. Wiesner, V. Hagen, D. Eisenhardt, Berlin*
- T27-7B** MAGNETIC RESONANCE IMAGING OF THE RHESUS MONKEY BRAIN  
*R. Tammer, S. Hofer, K.-D. Merboldt, J. Frahm, Göttingen*
- T27-8B** MICROFLUIDICS AND INSECT CELL CULTURE  
*K. Göbbels, A. L. Thiebes, A. Buchenauer, A. El Hasni, U. Schnakenberg, P. Bräunig, Aachen*
- T27-9B** NEST: AN EFFICIENT SIMULATOR FOR SPIKING NEURAL NETWORK MODELS  
*J. M. Eppler, S. Kunkel, H. E. Plesser, M.-O. Gewaltig, A. Morrison, M. Diesmann, Jülich*
- T27-10B** NEUROPHYSIOLOGY DATA MANAGEMENT FOR EFFICIENT ANALYSIS AND COLLABORATIVE WORK  
*A. Sobolev, P. Rautenberg, C. Kellner, J. Benda, J. Grewe, M. P. Nawrot, W. Schiegel, T. Zito, A. V. Herz, T. Wachtler, Martinsried*
- T27-11B** NEW POSSIBILITIES FOR ADVANCED ANALYSIS METHODS IN NEUROSCIENCE THROUGH MODERN APPROACHES TO TRIVIAL PARALLEL DATA PROCESSING  
*A. Morrison, M. Denker, B. Wiebelt, D. Fliegner, M. Diesmann, Freiburg*

## Saturday

- T27-1C** NOVEL APPROACH FOR REMOTE LONG-TERM RECORDINGS OF SLEEP-WAKE RHYTHMS, CORE BODY TEMPERATURE AND ACTIVITY IN SINGLE- AND GROUP-HOUSED RATS  
*K. Plaßmann, E. Fuchs, Göttingen*
- T27-2C** OBJECTIVE-COUPLED PLANAR ILLUMINATION MICROSCOPY – A NOVEL TECHNIQUE FOR NEURONAL POPULATION IMAGING  
*O. Braganza, R. Beck, R. Meyer, H. Beck, Bonn*



- T27-3C** ORGANOTYPIC BRAIN SLICE CO-CULTURES OF THE DOPAMINERGIC SYSTEM - A VERSATILE TOOL FOR THE INVESTIGATION OF TOXICOLOGICAL PROPERTIES OF NOVEL SUBSTANCES  
*K. Sygnecka, C. Heine, M. Grohmann, N. Scherf, H. Franke, Leipzig*
- T27-4C** PROTEIN MACROARRAY: A NEW APPROACH TO IDENTIFY NCAM BINDING PARTNERS  
*H. Wobst, A. Sekulla, C. Laurini, B. Schmitz, S. Diestel, Bonn*
- T27-5C** RECONSTRUCTING THE *IN VIVO* BRAIN: A CT/MRT AIDED STEREOTAXIC ATLAS OF THE MONGOLIAN GERBIL BRAIN (*MERIONES UNGUICULATUS*)  
*S. Radtke-Schuller, F. Angenstein, J. Goldschmidt, O. S. Gresser, G. Schuller, E. Budinger, Martinsried*
- T27-6C** RECONSTRUCTION AND DISSECTION OF THE ENTIRE HUMAN VISUAL PATHWAY USING DIFFUSION TENSOR MRI  
*S. Hofer, A. Karaus, J. Frahm, Göttingen*
- T27-7C** RECURRENCE-BASED ESTIMATION OF TIME-DISTORTION FUNCTIONS FOR ERP WAVEFORM RECONSTRUCTION  
*M. Ihrke, H. Schrobsdorff, J. M. Herrmann, Göttingen*
- T27-8C** THE PERFORMANCE OF AN AUTOMATIC ALGORITHM IN ISOLATING SINGLE UNITS IN PRIMATE CORTEX  
*S. Chakrabarti, P. Hebert, M. Wolf, M. Campos, A. Gail, J. Burdick, Göttingen*
- T27-9C** THE USE OF THE K<sup>+</sup>-PROBE THALLIUM (TL<sup>+</sup>) FOR IMAGING CNS POTASSIUM METABOLISM AND NEURONAL ACTIVITY - FROM MICROSCOPY TO *IN VIVO* SPECT-IMAGING  
*J. Goldschmidt, T. Wanger, J. Neubert, M. Zappe, U. H. Schröder, F. Angenstein, K. G. Reymann, H. Scheich, Magdeburg*
- T27-10C** VIRTUAL PRE-EMBEDDING LABELING: A NOVEL APPROACH FOR CORRELATIVE LIGHT AND ELECTRON MICROSCOPY AND DOUBLE LABELING IN AFFINITY CYTOCHEMISTRY  
*V. I. Madai, R. Bernard, W. Poller, G. Laube, R. W. Veh, Berlin*
- T27-11C** LOCAL NOISE AMPLIFICATION AND SYNAPTIC DEPRESSION CONTROL THE SPONTANEOUS ACTIVITY IN NEURONAL CULTURES  
*J. G. Orlandi, E. Alvarez-Lacalle, S. Teller, J. Soriano, J. Casademunt, Barcelona, Spain*
- T27-12C** A MICROFLUIDIC CULTURING PLATFORM FOR STUDYING INTRA-DENDRITIC SIGNALING AND DENDRITE TO NUCLEUS COMMUNICATION  
*C. Bas Orth, M. S. Cohen, H. J. Kim, N. L. Jeon, S. R. Jaffrey, Heidelberg*







## Authors' Index

The numbers behind the author's name refer to the numbers of the oral or poster presentations, but not to page numbers in this program booklet.

- Abdulazim, A** T7-4B, T8-4C  
**Abel, RL** T14-5A  
**Abolfazl, AT** T12-11C  
**Abraham, A** T18-9B  
**Abraham, WC** T8-9B  
**Abresch, TGJ** T16-5C  
**Abu, F** T19-20B  
**Abu-Taweel, G** T25-14B  
**Ache, JM** T21-14C  
**Ackels, T** T6-4C  
**Ackerman, F** T7-3A, T7-11C  
**Acosta-Martinez, M** T22-5A  
**Adiguzel, Y** T4-5B  
**Aertsen, A** T6-11B, T7-10A, T11-1C, T23-8C  
**Afshar, G** T26-7A  
**Ahlers, MT** T15-14A, T15-14B, T27-1A  
**Ahlf, S** T18-1B, T18-1C  
**Ahrens, J** T15-14B  
**Ahrens, B** T2-6A  
**Ahuja, R** T2-2C, T2-4C  
**Ajarem, J** T25-14B  
**Akad, D** T7-14C  
**Akbalik, G** S13-1  
**Akbar, M** T21-12A  
**Akerman, CJ** S22-2  
**Al Banchaabouchi, M** T8-7B  
**Alam, M** T11-13A, T21-3A  
**Albayram, Ö** T10-4C, T11-26C, T12-6A  
**Albrecht, B** T13-2C  
**Albus, C** T23-16B  
**Al-Chalabi, A** S6-1  
**Aldape, K** S1-3  
**Alenina, N** T24-1A  
**Alferink, J** T11-26C, T12-6A  
**Alt, MD** T9-1A, T9-2C  
**Althans, M** T19-9C  
**Althof, D** T5-1A  
**Altmann, C** T11-7B  
**Altrock, WD** T16-4C  
**Alvarez, MJ** S1-3  
**Alvarez-Lacalle, E** T27-11C  
**Amigó, N** T23-9C  
**Ammer, JJ** T6-11B, T18-15A  
**Ammermüller, J** T15-14A, T15-14B, T27-1A  
**Ammersdörfer, S** T22-3B  
**Andras, P** T23-2C  
**Andreadaki, A** T3-2C  
**Andreyeva, A** T11-2B, T11-3B  
**Anemüller, J** T18-13A, T26-3A  
**Angelini, M** T1-1C  
**Angenstein, F** T27-5B, T27-5C, T27-9C  
**Angermüller, S** T7-8B  
**Anne, SL** S1-3  
**Ansel, A** T7-2A  
**Ansorg, A** T1-10B  
**Antileo Ibarra, ER** T2-1B  
**Antipova, V** T11-5B  
**Anton, S** S2-2, T19-16A, T19-26B, T19-27B  
**Arango-Gonzalez, B** T11-3A, T15-1A, T15-7B  
**Arena, P** T25-12B  
**Arendt, T** T11-13B, T12-9A, T18-9A  
**Argenton, F** T1-2A  
**Arikawa, K** T14-4B  
**Armentano, M** T11-14C  
**Arnold, S** T11-9C, T11-11C  
**Arolt, V** S11-5  
**Arrenberg, A** T23-3C  
**Arsenijevic, Y** S15-5  
**Asan, E** T4-2B, T9-8A  
**Ashida, G** S14-3  
**Asif, AR** T11-7C  
**Aso, Y** T25-25A  
**Astapenko, D** T11-21B  
**Auferkorte, ON** T15-8B, T15-9B  
**Augustine, G** S21-6  
**Ausborn, J** T21-4C  
**Averaimo, S** T11-26A  
**Avison, D** T3-3C  
**Axmann, R** T20-4B  
**Aydemir, Ö** Sat-3  
**Azami Tameh, A** T6-6C

## B

- Baader, B** T2-5A  
**Baasov, T** T11-22B  
**Baba, Y** T7-2A  
**Babanin, M** T18-16A  
**Backen, T** T16-1A  
**Backes, H** S3-4, T22-2C  
**Backhaus, WGK** T16-3B  
**Backhaus, J** T23-6C  
**Backofen-Wehrhahn, B** T11-8A  
**Baden, T** T15-9C  
**Bader, A** T19-21B, T19-18C  
**Bader, M** T24-1A  
**Bading, H** T25-18B  
**Badowska, D** T13-5C  
**Baghaei, K** T19-27C



- Bähr, M** T11-1A, T11-18A, T11-17C, T11-19C, T12-6C, T11-8C  
**Baier, H** T23-3C  
**Baier, PC** T23-1B  
**Baj, G** T8-9A  
**Baker, SN** S10-1  
**Baker, R** T21-6B  
**Bakker, R** T7-5A, T8-2B, S10-2  
**Bakker, A** T2-4A, T2-2B  
**Ballanyi, K** T4-2C  
**Baloni, S** T24-13B  
**Baltz, T** T23-11C  
**Bamann, C** S21-1  
**Bamberg, E** S21-1, S21-6  
**Bankstahl, M** T11-8A, T11-16A  
**Bannerman, DM** T23-3A  
**Bär, R** T19-23A  
**Barghorn, S** T6-2C  
**Barman, A** T24-11C  
**Baron, O** T11-19A  
**Barros, LF** T9-2B  
**Barrozo, R** S2-3, T19-27B  
**Barski, E** T11-18A  
**Bartels, R** T25-4A  
**Barth, J** T19-19B, T7-1B  
**Barth, AL** T23-18B  
**Bartl, K** T16-5B  
**Barton, B** S9-6, T16-1C, T16-3C  
**Bartos, M** T25-13C  
**Bartsch, D** T13-3B  
**Bartz-Schmidt, KU** T12-7A, T15-13C  
**Barz, M** T21-12B  
**Bas Orth, C** T8-10C, T27-12C  
**Basak, O** T1-12B  
**Bass, AH** T21-6B  
**Bateson, M** T13-6B  
**Battaglia, D** T26-15A, T26-11C, T27-2B  
**Bauer, R** T12-5A  
**Bauer, U** T12-4B  
**Bauer, J** S11-5  
**Bäuerle, P** T18-15C  
**Baum, E** T25-16B  
**Baumann, O** S20-2  
**Baumann, B** T15-5B  
**Baumann, A** T11-1A  
**Baumann, A** T4-3B  
**Baumeister, R** S24-1  
**Baumgart, S** T19-12B  
**Baumgärtner, W** T12-1C  
**Bauß, K** T15-13B, T15-12C  
**Bautze, V** T19-23A, T19-18C  
**Baxan, N** T11-6B  
**Bayer, T** T11-25A, T11-3C, T11-22C, T12-9C  
**Bayer, M** T24-13C  
**Bayley, T** T18-17C  
**Bean, B** T20-1C  
**Bech, M** T14-6A  
**Becherer, U** T4-5A  
**Bechstein, M** T9-4A  
**Beck, A** T12-7C  
**Beck, K** T14-5C  
**Beck, H** T20-5C, T23-16B, T23-10C, T27-2C  
**Beck, TF** T26-1A  
**Beck, R** T27-2C  
**Becker, N** T23-14A  
**Becker, M** T15-15C  
**Becker, AJ** S12-4  
**Becker, A** T13-2B  
**Becker, L** T11-12B  
**Becker, HM** T9-1A  
**Becker, D** T8-10C  
**Becker, CG** T11-10A  
**Becker, T** T11-10A  
**Bedel, CS** T19-2A  
**Bedner, P** T8-11A, T9-8B, T9-9C, T11-12C  
**Behl, C** S6-4, T11-17A, T11-20B, T11-4C  
**Behrend, O** T17-10B  
**Behrens, C** T12-2A  
**Behrens-Baumann, W** T16-10A  
**Beis, DM** T24-1A  
**Bekeredjian, R** T11-12B  
**Belmabrouk, H** T26-10B  
**Beltrán, LR** T19-15A  
**Benato, F** T1-2A  
**Benda, J** T1-8A, S4-6, T6-2A, T6-11B, S10-4, T17-1A, T17-9B, T17-1C, T17-6C, T27-10A, T27-11A, T27-10B  
**Bendels, M** T7-11A  
**Bender, R** T2-1A, T6-7C  
**Bender, A** T11-12B  
**Benecke, R** T11-5B  
**Benecke, H** T19-9A, T19-4B  
**Benfenati, F** T11-19B  
**Benedetti, BL** T23-18B  
**Bennegger, W** T19-27A  
**Berg, E** T21-13C  
**Berg, C** T25-12B  
**Berger, F** T12-8A  
**Berger, S** T13-6A  
**Berger, J** T4-1A  
**Berger, J** T3-4A  
**Berkefeld, H** T6-12C  
**Bernard, R** T27-10C  
**Bernard, R** T23-5B, T24-9B  
**Berninger, B** S7-4  
**Bert, B** T24-1A  
**Bertam, B** T1-9C  
**Berthold, C** T12-6B, T12-4C  
**Bertram, J** T13-3B  
**Besemer, A** T11-4C  
**Besser, D** S1-4

- Bethge, M** T16-2C  
**Beutelmann, R** T18-18A  
**Beyer, C** T6-6C, T11-9C, T11-11C  
**Beyreis, M** T12-3B  
**Bhat, R** S24-3  
**Biber, K** T10-2A  
**Bibichkov, D** T18-11C  
**Bichler, Z** T13-2A  
**Bicker, G** T1-5B, T2-9A, T2-6C, T19-26A  
**Bickmeyer, U** T6-7A  
**Biederer, T** T7-13A  
**Biehl, M** T26-10A  
**Biel, M** T19-23C  
**Bielefeld, L** S12-6  
**Bierfeld, J** T4-6A  
**Biergans, S** T19-10B, T19-17B  
**Bierhoff, H** T11-14C  
**Bieringer, K** T19-30B  
**Biernat, J** S24-1  
**Biess, A** T21-11A  
**Bilkei-Gorzo, A** T10-4C, T11-26C, T13-2B  
**Binder, DK** T9-7B  
**Binder, S** T23-1B  
**Binzer, M** T19-14B  
**Birbaumer, N** T25-14C  
**Birchmeier, C** T1-11C  
**Birnbach, B** T19-10B  
**Birnbaumer, L** T19-5B  
**Bisch-Knaden, S** T19-7B  
**Bischof, H-J** T15-2C, T16-9B, T25-10C  
**Bitow, F** T11-18A  
**Bittner, A** T12-8C  
**Blaesse, P** S22-4  
**Blankenburg, S** T5-1B  
**Blaschke, S** T24-10B  
**Blatow, M** T21-12A  
**Blenau, W** T5-1B, S20-2  
**Blinow, E** T21-4B  
**Blits-Huizinga, C** S18-3  
**Blosa, M** T18-9A  
**Blum, R** T6-3C  
**Blümel, M** T21-1B  
**Bock, J** T13-7A, T24-7B, T25-10B  
**Bockaert, J** S12-5  
**Böcker, U** T12-8B  
**Böckmann-Barthel, M** T18-2B  
**Boddeke, E** T10-2A  
**Bode, J** T6-1C  
**Bodnar, M** T6-4A  
**Boeckers, TM** T11-7A  
**Boeddeker, N** T14-6C  
**Boehm, U** T19-7A, T19-13A, T19-28C, T22-5A  
**Boehm, S** T11-12A  
**Boehmer, W** T25-22C  
**Boekhoff, I** T7-3A, T7-11C  
**Boesen, M** T6-10B  
**Böhm, C** T7-5C  
**Bohrmann, B** T11-22A  
**Bolek, S** T14-9A, T25-19A  
**Bölinger, D** T15-4A  
**Bolliger, G** T14-3A  
**Bollo, RJ** S1-3  
**Bolte, P** T15-12B, T15-16C  
**Bolz, J** T1-9A, T10-3C, T16-8A, T20-3A  
**Bömmel, H** T9-8A  
**Bonfanti, L** T11-14C  
**Bonhoeffer, T** T8-3A, T8-5A, T16-9A, T16-2B  
**Bonn, MR** T4-2B  
**Bonnet, SAD** T7-4C  
**Booker, SA** T5-1A  
**Boras, M** T3-3B  
**Borgelt, C** T26-2C  
**Borgmann, A** T21-6A  
**Bormann, U** S19-1  
**Bormuth, I** T2-7B, T3-2A  
**Born, J** P8, T23-1B  
**Bornemann, A** T1-6A  
**Borowski, B** T6-1A  
**Borst, JGG** T18-4B  
**Borst, A** T14-5B, T14-6B, T14-8C  
**Borth, H** T7-3A, T7-11C  
**Bosse, F** T3-5A, T3-3B  
**Both, M** T23-5C, T25-18B  
**Böttcher, RT** T8-7B  
**Boucard, A** T7-13A  
**Boucsein, C** T6-11B, T7-10A, T23-8C, T26-4C  
**Boyalla, SS** T11-9C, T11-11C  
**Boyan, G** T1-12A  
**Bradler, S** T20-1A  
**Braganza, O** T27-2C  
**Braje, W** T4-6C  
**Brand, M** T1-2A  
**Brandstætter, AS** T19-11A, T19-10C  
**Brandstätter, JH** T7-16A, T7-6C, S15-6, T15-5A, T15-8A  
**Brandt, R** T11-5A  
**Brandt, N** T2-1A, T11-2A  
**Brandt, N** T17-10A  
**Brandt, T** T16-5B  
**Brandt, C** T11-13C  
**Brandt, SA** T21-11C  
**Brandwein, C** T13-4B  
**Branoner, F** T17-10B  
**Bräuer, AU** T8-5C  
**Braun, M** S11-5  
**Braun, N** T6-10B  
**Braun, J** T18-16C  
**Braun, K** T13-7A, T25-9A, T25-10B, T25-16C  
**Braun, J-M** T23-2B  
**Braun, AK** T24-7B



- Braun, S** T24-11A  
**Braune, C** T26-2C  
**Brauner, M** S21-4  
**Bräunig, P** T2-4B, T21-7A, T21-7B, T27-8B  
**Brazda, N** T3-2B, T3-4B  
**Brechmann, A** T24-5A  
**Brecht, M** T20-9B, T20-4C, T25-6C, T25-11C, T26-8B  
**Breer, H** T19-23A, T19-21B, T19-15C, T19-17C, T19-18C, T19-23C, T22-2A, T22-4B, T22-3C  
**Breitenbach, S** T15-8C  
**Bremicker, K** T9-3B  
**Bremmer, F** T16-4B, T16-9C  
**Brendel, A** T11-17A  
**Brendel, W** T27-4B  
**Brenes, JC** T24-12A  
**Brenneis, C** T20-7B, T20-1C  
**Brenner, W** S3-2  
**Brettschneider, J** T11-23A  
**Bretzger, J** T25-15A  
**Breuer, D** T26-10C  
**Breunig, E** T19-18A  
**Breuninger, T** T15-2A, T15-3A  
**Brewer, AA** T16-3C, S9-6, T16-1C  
**Brezova, V** T11-8B  
**Brigadski, T** T1-4C, T7-9C, T8-8A, T11-20C  
**Briggs, L** T11-6C  
**Brill, MF** T19-30A, T19-31A  
**Britanova, O** T1-11A  
**Brix, B** T9-1C  
**Brochier, T** T21-8B, T21-9B  
**Brochtrup, A** Sat-3  
**Brockhaus-Dumke, A** T26-6B  
**Brockmann, MD** T23-17C  
**Brockmann, A** S20-4  
**Brodski, A** T18-6A  
**Broeer, S** T11-8A  
**Bronson, R** T3-3C  
**Brosch, M** T18-16A  
**Brösicke, N** T12-11A  
**Brouwer, N** T10-2A  
**Brown, F** T16-7A  
**Brück, W** T12-4A, T12-12A, T12-1B  
**Brückner, G** T11-13B, T12-9A, T18-9A  
**Brummelte, S** T10-2B  
**Brüning, JC** T22-4A, T22-1B  
**Brunne, B** T10-4A  
**Brust, P** T12-5A  
**Bryan, AS** T23-13A  
**Brzozka, MM** T13-4A, T13-5C  
**Buchalla, R** T10-4C  
**Buchenauer, A** T27-8B  
**Bucher, D** T25-11A  
**Bucher, D** T23-13A  
**Buchert, R** S3-2  
**Buchheim, K** T23-1C  
**Buchner, E** T25-11A  
**Buchser, W** T3-3C  
**Buckley, CL** T19-2C  
**Budde, T** T6-11C  
**Budinger, E** T7-16C, T18-4A, T18-17B, T27-5B, T27-5C  
**Budziszewska, B** T13-8C  
**Buechel, C** T25-22C  
**Buerbank, S** T17-7A  
**Bufe, B** T19-5B, T19-20C  
**Buhl, E** T20-8C  
**Burbach, PH** T3-1C  
**Burdakov, D** T22-1C  
**Burdick, J** T27-8C  
**Burgalossi, A** T26-8B  
**Bürge, S** T2-6B  
**Burger, S** T7-9B  
**Burkhardt, H** T1-1A  
**Burzynska, AZ** T2-3C  
**Büschges, A** S4-2, T14-4C, T21-6A, T21-1B, T21-3B, T21-4B, T21-8C, T21-14C, T21-13C  
**Buss, M** T24-3C  
**Busse, D** T19-9A, T19-4B  
**Busse, L** T16-7C  
**Buszáki, G** T23-4B  
**Buttgereit, A** T12-3C  
**Butz, M** T2-3B
- C**
- Caggiano, V** T16-7B  
**Cainarca, S** T19-11B  
**Cajigas, I** S13-1  
**Calcagnoli, F** T13-8B  
**Califano, A** S1-3  
**Callaerts, P** S24-2  
**Calzada-Wack, J** T11-12B  
**Cambridge, SB** T27-3B  
**Campanelli, L** T12-3C  
**Campos, B** S1-4  
**Campos, M** T27-8C  
**Cancedda, L** T8-10B  
**Capelle, H-H** T21-3A  
**Carbone, AL** T6-10C  
**Cardanobile, S** T11-1C  
**Cardone, F** T11-7C  
**Carimalo, J** T11-7C  
**Carr, CE** S14-3, T18-4C  
**Carro, MS** S1-3  
**Carvalho, F** T16-4A  
**Casademunt, J** T23-9C, T27-11C  
**Cauli, B** T27-2B  
**Cerina, M** T6-11C  
**Cerny, A** T14-8A, T14-2B  
**Ceschi, P** T17-4B  
**Chaffiol, A** T26-10B  
**Chagnaud, BP** T21-6B  
**Chai, X** T2-8A

**Chakrabarti, S** T27-8C  
**Chakraborty, NK** T25-20A  
**Chamero, P** T19-5B  
**Chang, L** T15-3A  
**Chao, O** T3-3C  
**Charalambous, P** T3-5A  
**Charlina, N** T4-6A  
**Chau, V** T10-2B  
**Chauvette, S** T23-12B  
**Chen, Y-C** T25-1A, T25-14A, T25-20B  
**Chen, C-C** T16-8B  
**Chenkov, N** T26-8A, T26-11B  
**Cheusova, T** T7-13C  
**Chiovetto, E** T26-11A  
**Chirasani, SR** S1-5, S1-4  
**Chistyakova, M** T26-7B  
**Choi, SW** T1-8B  
**Chorev, E** T25-11C  
**Chourbaji, S** T13-4B  
**Christ, P** T19-28B  
**Christian, W** S16-6  
**Cichon, N** T23-17C  
**Cichy, A** T19-1A  
**Ciesiekczyk, B** T11-7C  
**Cimiotti, K** T15-4C  
**Clarner, T** T6-6C  
**Claussen, JC** T26-12C  
**Clemens, J** T17-3B  
**Clement, AM** S6-4, T11-20B, T11-4C  
**Cohen, MR** P3  
**Cohen, I** T7-11A  
**Cohen, MS** T27-12C  
**Cohen, L** T19-1B  
**Coiro, P** T8-5C  
**Colman, H** S1-3  
**Colomb, J** T27-6B  
**Colomer, C** T26-12A  
**Colson, V** T19-16A  
**Combes, D** T16-6C  
**Connell, E** T7-9A  
**Conrad, R** T21-2B, T21-2C  
**Contestabile, A** T11-19B  
**Cooke, RM** T2-5C  
**Cope, D** T9-8B  
**Corazza, S** T19-11B  
**Correia, AD** T11-24C  
**Cosandier-Rim  l  , D** T11-9B  
**Costa, M** S7-4  
**Couchman, KA** T18-8B  
**Coulon, P** T6-11C  
**Crawley, JN** T13-3C  
**Cristino, L** S1-5  
**Crunelli, V** T9-8B  
**Cuevas, E** T1-5C  
**Cui, Y-F** T11-16B, T11-23C  
**Czaplinski, S** T11-7B  
**Czeh, B** T22-3A  
**Czesnik, D** T19-18A

## D

**D'Albis, T** T25-12C  
**D'Amato, FR** T13-5B, S23-4  
**d'Avella, A** T26-11A  
**Daffron, S** S2-5  
**Dale, N** T4-1C  
**Daliri, MR** T16-7C  
**Dallenga, T** T12-8C  
**Dambach, H** T12-6B, T12-4C  
**Dambeck, V** S16-1  
**Damen, D** T13-1B  
**Damrau, C** T20-10A  
**Daniel, J** T8-8A  
**Dasgupta, S** T26-9A  
**Daun-Gruhn, S** T21-8C  
**Daur, N** T23-13A  
**Davies, S** T25-5C  
**Davletov, B** T7-9A  
**Day, JD** T25-5C  
**de Bock, F** S12-5  
**de Boer, SF** T13-8B  
**de Camp, NV** T25-4A  
**de Marco, RJ** T25-17A  
**de Monasterio-Schrader, P** T2-3C  
**de Waard, MC** T10-2A  
**de Wit, H** T7-9A  
**Deakin, IH** T23-3A  
**Decker, H** T11-4C  
**Deckert, J** S11-5  
**Dedek, K** T15-9A, T15-1B, T15-12B, T15-4C, T15-7C  
**Deeg, KE** T23-13A  
**Degenaar, P** S21-2  
**Deger, M** T26-4C, T26-6C  
**Degermann-Gunnarsson, M** T11-25A  
**Dehmelt, FA** T26-4A  
**Deibele, A** T24-11C  
**Deike, S** T24-5A  
**Deisig, N** T19-26B  
**Deisseroth, KA** S21-5  
**Deitmer, JW** T8-2C, T9-1A, T9-3A, T9-6A, T9-2B, T9-2C, T9-4C  
**Delekate, A** T8-3C  
**Deliano, M** T18-5B, T18-7B  
**Delille, HK** T4-6C  
**Deller, T** T8-10C  
**Demmler, C** T19-10B  
**Demond, M** T19-27C  
**Dempski, R** S21-1  
**den Boer, JA** T13-8B  
**Dengler, R** T9-8C, T11-14B, T11-21C  
**Denker, M** T21-8B, T21-9B, T23-17C, T27-11B  
**Denninger, S** T12-1B  
**Deregnacourt, S** T18-7A



**Dermietzel, R** T6-9B  
**Derouiche, A** T9-9C  
**D'Errico, A** T19-22B  
**Derst, C** T4-1A, T4-4B, T21-1A, T23-11A, T23-13B  
**Desplan, C** T14-2C  
**Deuther-Conrad, W** T12-5A  
**Devaud, J-M** S2-4  
**Di Fiore, PP** T17-1B  
**Di Marzo, V** S1-5, T19-18A  
**Dias, TB** T11-10A  
**Diegelmann, S** T25-15A  
**Diepenbrock, J-P** T18-13A, T26-3A  
**Diesmann, M** T8-10C, T21-1C, T25-8B, T25-25C, T26-6A, T26-13A, T26-1B, T26-2B, T26-3B, T26-6C, T26-14C, T27-9B, T27-11B  
**Diestel, S** S19-3, T27-4C  
**Diester, I** S21-5  
**Dieterich, DC** T2-1B, T8-3B, T25-13A  
**Dillo, W** T24-13A, T24-6C  
**Dimou, L** T2-3C  
**Dippel, S** T19-5A  
**Diril, MK** Sat-6, T7-7C  
**Dirnagl, U** S3-2  
**Disteldorf, E** T2-1A  
**Disteldorf, B** T17-10A  
**Dittmar, L** T14-6C  
**Dittrich, F** T2-4A, T2-2B  
**Dityatev, A** T8-10B, S19-5, S19-1  
**Dlugaiczky, J** T17-7A  
**Dockery, CA** T25-14C  
**Dodel, R** T25-12A  
**Doerge, T** T21-5A  
**Doetsch, F** S1-3  
**Dohm, C** T11-1A, T11-8C  
**Dollezal, L-V** T24-5A  
**Dombert, B** T6-3C  
**Dombrowski, V** T25-20C  
**Domes, G** S17-5  
**Domschke, K** S11-5  
**Donat, CK** T12-5A  
**Donkels, C** T10-1B  
**Donoso, JR** T23-7B  
**Dooley, R** T19-12B  
**Dorgau, B** T15-12B, T15-4C  
**Doron, G** T20-4C  
**Dorrn, AL** T18-8C  
**Dotti, CG** T10-1C  
**Draguhn, A** T6-2C, S12-3, T23-5C, T25-18B  
**Drakew, A** T7-1A  
**Dremstrup, K** T21-11B  
**Dresbach, T** T7-8B, T7-15C  
**Dreßler, J** T9-3B  
**Driever, W** T23-3C, T27-3A  
**Drinkut, A** T11-25B

**Drolet, M** T24-4B  
**Drukarch, B** S18-3  
**Dublin, P** T9-5A, T11-12C  
**Dubois, SL** T22-5A  
**Duckert, M** T3-1A  
**Dumoulin, SO** S9-4  
**Dupuy, F** T21-5B  
**Dürr, V** T20-4A, T21-12C, T23-7C  
**Dürr, T** T14-8A  
**Dyachuk, VA** T19-7C

## E

**Ebaid, H** T25-14B  
**Eberhard, MJB** T17-9A  
**Eberl, D** T17-10C  
**Eberle, J** T22-4B  
**Ebert, S** T12-6C  
**Ebert, U** T6-2C, T11-6A  
**Ebner, B** T11-24A  
**Eckardt, S** T1-8B  
**Eckart, MT** T11-18C  
**Eckenstaler, R** T1-4C  
**Eckert, D** T25-22A  
**Eckhardt, M** T23-16B  
**Eckrich, T** T17-7B  
**Edelmann, E** T8-1A, T8-9C  
**Efetova, M** T25-4C, T25-5C, T25-18C  
**Egelhaaf, M** T14-1A, T14-7B, T14-6C  
**Egert, U** T11-9B, T26-13B  
**Egger, V** T18-14A  
**Egorov, AV** T23-5C  
**Ehlig, A-C** S11-3  
**Ehrenreich, H** S23-6  
**Ehret, G** T18-11B, T18-2C, T18-8C  
**Eichhorst, J** T27-6B  
**Eickhoff, R** T2-9A  
**Eilers, J** T7-12C  
**Eilert, J-C** T2-6B  
**Eimer, S** S21-4  
**Einevoll, GT** S10-5, T26-13A, T26-2B, T26-5B  
**Einhäuser, W** T16-5B, T16-5C, T24-11B, T24-5C, T25-6B, T25-2C  
**Eisenhardt, D** T25-20A, T25-24B, T25-20C, T25-23C, T27-6B  
**Ejaz, N** T14-4A  
**Ekström, P** T15-7B  
**El Hady, A** T26-7A  
**El Hasni, A** T27-8B  
**el Jundi, B** T14-2A  
**El Manira, A** T21-4C  
**El-Kholy, S** T5-2C  
**El-Kordi, A** S23-6  
**Elliott, C** T11-6C  
**Ellisman, MH** S10-3



- Elsner, M** T23-1C  
**Emery, E** T11-6C  
**Emrich, HM** T24-13A, T24-6C  
**Endepols, H** S3-1, T18-16B, T23-9B, T24-6A, T24-8A  
**Endres, T** T8-6B, T25-18A, T25-21A  
**Endres, D** T26-1A, T26-9B  
**Engblom, D** T11-14C  
**Engel, AK** T15-11B, T20-3C, T20-9C, T23-4C, T23-5A  
**Engel, J** T15-2B, T17-10A  
**Engelhorn, A** T18-7B  
**Engelmann, J** T21-13B  
**Engler, G** T15-11B, T23-5A  
**Engmann, O** T25-14A  
**Eom, G** T12-5B  
**Eppler, JM** T27-9B  
**Erck, C** T11-25A  
**Erdmann, F** T5-2B  
**Erdmann, B** S1-5  
**Erdmann, J** T21-7A  
**Ernst, UA** T24-3B  
**Ernst, L** S11-3  
**Ernst, UE** T16-2A  
**Escayg, A** T6-5B  
**Eschbach, C** T25-19B  
**Esposti, F** T15-9C  
**Esser, K-H** T22-3B, T24-10C, T27-2A  
**Estrada, V** T3-1B, T3-2B  
**Eugene, E** T7-11A  
**Euler, T** T2-3A, T15-2A, T15-3A, T15-4B, T15-5B, T15-8B  
**Ewald, H** S11-1  
**Eysel, UT** T7-16B
- F**
- Fändrich, M** T11-21A  
**Faghihi, F** T19-2B  
**Fahl, E** T15-7B  
**Faissner, A** T1-3C, T12-11A, T21-2B  
**Fakler, B** T6-12C  
**Falkai, P** T13-4A  
**Falkner, AL** T16-8C  
**Falley, K** S13-2  
**Fallgatter, AJ** S11-3  
**Fallier-Becker, P** T9-1B  
**Fan, L** T2-8A  
**Farca Luna, A** T22-4C  
**Farina, D** T21-5A, T21-10B, T21-11B, T26-8C  
**Fasching, U** T11-24A  
**Fassbender, K** T11-20A  
**Fässler, R** T9-4C  
**Fatouros, P** S24-1  
**Fausser, S** T10-1B  
**Faust, M** T16-1B  
**Faustmann, P** T12-6B, T12-4C  
**Fazeli, S** T24-2A  
**Feenders, G** T13-6B  
**Feldbauer, K** S21-1  
**Feldmeyer, D** S16-2, T23-1A  
**Felmy, F** T7-10C, T18-8A, T18-10A, T18-15A, T18-8B  
**Felsenberg, J** T25-20C  
**Fendt, M** S5-6, T24-2B  
**Ferdin, M** T1-2B  
**Ferger, R** T18-6B  
**Fernandes, AM** T27-3A  
**Ferreira, M** T19-15A  
**Fertig, N** T6-2C  
**Fester, L** T2-1A, T11-2A  
**Feuerstein, D** T22-2C  
**Fiala, A** S2-6, T19-3A, T19-19B, T22-4C  
**Filipkowski, RK** T1-4B  
**Fillbrandt, A** T23-8A, T25-16A  
**Fink, H** T24-1A  
**Firzlaff, U** T18-11A, T18-12C  
**Fisch, K** T17-9B  
**Fischbach, K-F** T2-6A  
**Fischer, A** P1, Sat-5, T13-4A, T25-5B  
**Fischer, B** T25-4B  
**Fischer, D** T3-2C  
**Fischer, J** T25-7C  
**Fischer, J** T18-18C, T24-4B, T24-5B  
**Fischer, TM** T9-2A  
**Fischer, V** T14-4C  
**Flecke, C** T19-25B, T19-21C  
**Flegel, C** T19-27C  
**Fleidervish, IA** T6-8C, T6-9C  
**Fleischer, F** T16-7B  
**Fleischer, J** T19-15C, T19-23C  
**Fleischmann, R** T21-11C  
**Fliegner, D** T27-11B  
**Florent, H** S16-6  
**Florez Weidinger, JD** T26-14A  
**Floss, T** T11-12B  
**Fluegge, D** T19-11B  
**Flügge, G** T22-3A, T10-2C  
**Fofanova, EG** T19-7C  
**Fogel, AI** T7-13A  
**Follo, M** T9-4A  
**Ford, MC** T18-14A  
**Förste, H** T26-8B  
**Förster, I** T11-26C  
**Förster, E** T2-5A, T10-4A  
**Forstner, M** T19-20A  
**Frahm, J** T27-7B, T27-6C  
**Franke, H** T6-5A, T6-6A, T9-3B, T12-7C, T20-7C, T27-3C  
**Franken, GWW** T7-6A  
**Frankl, C** T2-4A, T2-2B  
**Franosch, J-MP** T17-5A  
**Franz, C** T17-1B, T17-7B  
**Franzoni, E** T1-7B  
**Frässle, S** T24-5C



- Frech, MJ** T1-5A, T1-7A  
**Fredrich, M** T18-14B  
**Freitag, E** T25-18B  
**French, AS** T20-1B  
**Frenzel, S** T19-13A  
**Fresemann, J** T9-7C  
**Frey, S** T8-4A  
**Friauf, E** T6-10B, T7-2B, T7-6B,  
 T8-7B, T9-4C, S14-5, T17-6B,  
 T18-13B, T18-3C  
**Frichert, K** T12-1C  
**Fricke, D** T7-11A  
**Fridkin, L** T6-1C  
**Friebe, K** T12-6C  
**Frischknecht, R** T7-6A  
**Froese, A** T27-9A  
**Froriep, UP** S12-6, T11-9B  
**Frotscher, M** T1-12B, T2-8A,  
 T5-1A, T7-1A, T7-14B, T10-4A,  
 T11-22A  
**Fuchs, E** T11-16B, T11-23C,  
 T13-7B, S23-5, T27-1C  
**Fuchs, H** T1-7B, T1-5C  
**Fuchs, H** T11-12B, T20-5C  
**Fuchs, J** T25-3B, T25-9B  
**Fuchs, M** T7-16A  
**Führ, H** T18-15B  
**Fuhrmann, N** T15-15C  
**Fülber, I** T25-12A  
**Funabiki, K** S14-3  
**Fünfschilling, U** T2-3C  
**Funk, N** T25-11A  
**Funk, NW** T19-14C  
**Funke, K** T20-3B, T23-2A  
**Funke, F** T27-7A  
**Furness, DN** T17-1B  
**Fusca, D** T19-13B  
**Fusco, FR** T16-4C

## G

- Gabriel, S** T9-7B  
**Gadenne, C** S2-2, T19-26B,  
 T19-27B  
**Gaese, B** T17-8C, T18-6A,  
 T18-14C, T18-15C  
**Gahr, M** T2-4A, T2-2B, T18-7A  
**Gail, A** T21-14A, T24-6B,  
 T26-2A, T26-15A, T27-6A, T27-8C  
**Gailus-Durner, V** T11-12B,  
 T20-5C  
**Gaitner, M** T6-1C  
**Galashan, FO** T16-2A,  
 T24-12B  
**Galindo-Leon, E** T15-11B  
**Galinski, S** T22-3B, T24-10C  
**Galizia, G** T19-8A, T19-10B,  
 T19-17B, T19-1C, T19-30C, T4-6A  
**Gallopin, T** T27-2B  
**Galonska, C** T11-5A  
**Gamepe, C** T10-3C  
**Gamepe, K** T1-6B, T11-7B  
**Garaschuk, O** T19-1B  
**Garbers, C** T14-3B  
**Garcia, VJ** T23-13A  
**Garea-Rodriguez, E** T11-16B,  
 T11-23C  
**Garnham, C** S21-6  
**Garratt, AN** T1-11C  
**Garthe, A** S7-3  
**Gärtner, U** T12-4B  
**Garvert, M** T15-7A  
**Gasis, M** T3-1B, T3-3B  
**Gasparini, L** T11-26A  
**Gass, P** T13-6A, T13-4B  
**Gavish, M** T6-1C  
**Gawalek, P** T19-21C  
**Gawinecka, J** T11-7C  
**Ge, D** T26-8C  
**Geberl, C** T18-10C  
**Gebhardt, M** T17-5A  
**Gebhardt, C** T12-2A  
**Gehne, N** T27-9A  
**Gehring, K** T25-20A, T25-24B  
**Geier, P** T11-12A  
**Geis, C** T1-8B, T11-4A, T11-1B  
**Geisel, T** T26-15A, T26-11C,  
 T26-16C  
**Geissler, DB** T18-10B  
**Geisslinger, G** T20-7B, T20-1C  
**Geneste, H** T4-6C  
**Georgi, J** T27-5B  
**Gerber, B** T25-1A, T25-11A,  
 T25-14A, T25-15A, T25-4B,  
 T25-19B, T25-20B  
**Gerdjikov, TV** S16-6  
**Gerevich, Z** T23-4A  
**Gerhard, F** T26-16A  
**Gerhard, HE** T16-2C  
**Gerich, FJ** T27-7A  
**Gernert, M** T11-8A  
**Gerstberger, R** T7-9B  
**Gerstmann, K** T16-8A  
**Gerstner, W** T26-16A  
**Gerten, E** T1-6C  
**Gertig, M** T22-4C  
**Gertsch, J** T20-6C  
**Gertz, S** T21-13B  
**Getahun, MN** T19-18B  
**Geumann, C** T11-25A  
**Geurten, BR** T14-1A  
**Gewaltig, M-O** T27-9B  
**Geyer, J** T7-9B  
**Ghosh, AK** T7-13A  
**Ghulam, JP** S24-1  
**Giampà, C** T16-4C  
**Giersch, A** T21-3C  
**Gierse, A** T1-5B  
**Giese, MA** T16-7B, T26-1A,  
 T26-11A  
**Gieselmann, V** T23-16B

- Giebl, A** T15-5A, T15-8A  
**Girardin, CC** T19-8A  
**Gisselmann, G** T6-9A, T6-11A, T19-15A, T19-29A, T19-27C  
**Gitler, D** T7-8C  
**Glass, R** S1-5, S1-4, T12-10B, T12-11B  
**Glassmeier, G** T8-6A  
**Gliem, S** T19-8B  
**Glotzbach, E** S11-1  
**Glowina, M** T18-2C, T18-8C  
**Glumm, J** T2-7C  
**Göbbels, K** T2-4B, T27-8B  
**Göbbels, S** T6-8C, T2-7B, T3-2A, T9-9B  
**Godlewska, E** T21-8C  
**Goetze, B** T16-4C  
**Gökce, O** T16-2B  
**Goldammer, J** T20-4A  
**Goldberg, ME** T16-8C  
**Goldmann, T** T11-22B, T15-16A, T15-14C, T15-15C  
**Goldschmidt, J** S3-6, T18-12A, T25-10B, T27-5B, T27-5C, T27-9C  
**Gollisch, T** T15-4A, T15-7A, T15-13A, T15-15B, T15-5C  
**Gompf, A** T12-2B  
**Gonçalves, SA** T11-10B  
**Gonçalves, P** T23-3C  
**Goo, W** S21-5  
**Goodson, JL** S17-1  
**Göpfert, M** T17-2A, T17-2B, T17-10C, T21-9C  
**Gorin, M** T19-17A  
**Gorkin, AG** T18-16A  
**Görlich, A** T7-6B, T8-7B  
**Gornati, S** T11-26A  
**Gorny, X** T7-4A  
**Görtzen, A** T23-6B  
**Göthe, R** T8-12A  
**Gottlob, I** T16-10A  
**Gottmann, K** T7-15A, T7-13B, T11-2B, T11-3B  
**Gottschalk, A** S21-4, Sat-2  
**Götz, M** S7-4  
**Grabowska, M** T21-8C  
**Graf, R** T18-16B, T22-2C, T23-9B, T24-6A, T24-8A  
**Graf, D** S1-4  
**Graimann, B** T21-11A, T23-2B  
**Gramer, M** T22-2C  
**Grael, K** T25-23C  
**Grauer, M** T9-7A  
**Graw, J** T16-11C  
**Greb, H** T15-6B  
**Greenlee, M** T11-23B  
**Greggers, U** T25-24A, T25-3B, T25-9B  
**Greifu, F** T11-17B  
**Greis, C** T25-5B  
**Grendel, J** T23-4B  
**Grewe, J** T1-8A, S4-6, S10-4, T17-1A, T27-10A, T27-11A, T27-10B  
**Griemsmann, S** T9-8B  
**Griesbeck, O** T15-5B  
**Griesel, G** T3-1C  
**Griesemer, D** T7-2B, T18-13B, T6-10B  
**Grimm, J** T2-2C, T2-4C  
**Grimm, M** T11-4B  
**Grimm, UJ** T21-3C  
**Grimmelikhuijzen, CJP** S20-1  
**Grimmich, B** T12-7C  
**Grimpe, B** T3-3C  
**Grobosch, M** T19-27C  
**Groh, KC** T19-13C  
**Groh, C** S2-2, T19-2A  
**Grohmann, M** T20-7C, T27-3C  
**Grosche, J** T12-4B  
**Gross, A** T5-1A  
**Gross, G** T6-2C  
**Grosser, OS** T27-5C  
**Grosse-Wilde, E** T19-10A, T19-24A, T19-18B, T19-13C, T19-14C  
**Grote-Westrick, C** T4-5B  
**Grothe, B** T7-10C, T18-8A, T18-14A, T18-15A, T18-8B  
**Grothe, C** T11-19A, T11-10C  
**Grothe, I** T24-4A  
**Gruber, C** T21-1A  
**Gruen, S** T16-6A, T23-17C, T26-3B  
**Gruenbacher, G** T11-24A  
**Gruenewald, B** T11-4A  
**Grueninger, F** T11-22A  
**Gruhn, M** S4-2, T14-4C, T21-6A  
**Gruhn, S** T21-1B  
**Grummt, I** T11-14C  
**Grün, S** T21-8B, T21-9B, T26-2B, T26-2C  
**Grunau, RE** T10-2B  
**Gründken, C** T6-9B  
**Grünewald, B** T6-12B, T25-7C, T11-1B  
**Gruss, M** T25-10B, T25-16C  
**Grzeschik, R** T18-2B  
**Gu, Y** T26-10B  
**Gudermann, T** T7-3A, T7-11C  
**Gudi, V** T12-1C  
**Guelly, C** T11-24A  
**Guerrieri, FJ** T19-9C  
**Gummert, MN** T9-2A, T2-7B  
**Guncova, I** T11-21B  
**Gündel, H** T13-1A  
**Gundelfinger, ED** T9-6C, T7-3B, T16-4C, T25-13A  
**Gunderson, PK** T21-13A  
**Günschmann, C** T12-2B  
**Günter, RH** T23-1A



**Güntürkün, O** T21-10C  
**Gurok, U** S1-5  
**Guschina, E** T19-14A  
**Guschlbauer, C** T21-1B  
**Guseva, D** T2-8C  
**Gutch, H** T27-2B  
**Gutermann, B** T19-18A  
**Gutnick, MJ** T6-8C, T6-9C  
**Gutzen, C** T25-22A

## H

**Haack, J** T11-18A  
**Haag, J** T14-5B, T14-6B, T14-8C  
**Haag, N** T2-4C  
**Haas, SJ-P** T3-1A  
**Haas, C** T1-12B  
**Haas, CA** T9-4A, T10-3A, T10-1B, T11-9B, S12-6  
**Haass, C** T11-15C, S24-3  
**Habekost, B** T16-2A  
**Haberg, A** T11-8B  
**Hackney, CC** T17-1B  
**Hadar, R** T25-8C  
**Haenold, R** T12-2B, T15-1C  
**Hagen, V** T27-6B  
**Hagena, H** T8-5B  
**Hagendorf, S** T19-17A  
**Hagenston, A** T25-18B  
**Hager, T** T25-22A  
**Hagl, CI** T12-8B  
**Hahne, J** T21-11A  
**Haid, D** T22-2A, T22-3C, T19-18C  
**Hajieva, P** T11-17A  
**Hallermann, S** T7-12C, T25-11A  
**Hamacher, N** T3-1B  
**Hamann, M** T5-2A  
**Hamm, AO** S11-2  
**Hammerschmidt, K** S23-3, T24-5B  
**Hampel, B** T22-4A  
**Handschuh, J** T18-5B  
**Hanganu-Opatz, IL** S22-5, T23-6C, T23-16A, T23-14B, T23-17C  
**Hanisch, U-K** T12-4A  
**Hanske, J** T7-4B, T8-4C  
**Hansson, BS** T4-3C, S8-4, T19-10A, T19-6B, T19-7B, T19-18B, T19-20B, T19-23B, T19-29B, T19-29B, T19-9C, T19-11C, T19-13C, T19-14C, T19-25C  
**Hantke, S** T25-4A  
**Hanuschkin, A** T21-1C  
**Happel, M** T18-4A, T18-5B, T26-3A, T18-13A

**Haq, W** T15-4B  
**Hardiess, G** T24-14C  
**Harl, B** T6-12A  
**Harmeier, A** T11-25A  
**Harms, K** T6-3A, T6-2B  
**Harrach, D** T1-11B  
**Harrison, PJ** T23-3A  
**Harsan, L-A** T11-6B  
**Hartfill, S** T23-3B  
**Härtig, W** T12-4B  
**Hartmann, T** T11-4B  
**Hartmann, M** T2-6B  
**Hartmann, J** T7-2A  
**Hartung, H-P** T1-9B  
**Hartung, H** T11-5C  
**Hartwig, S** T7-8A  
**Harvey, RJ** T5-1C  
**Harz, H** T2-6B  
**Harzsch, S** T19-6A, T19-12A, T19-26A, T19-23B, T19-11C, T19-25C, T20-5A  
**Hasan, M** S16-3, T25-18B  
**Hashemolhosseini, S** T7-13C  
**Hass, R** T11-14B  
**Hass, J** T24-10B  
**Hass, N** T22-2A, T22-4B  
**Hassanzadeh, G** T12-11C  
**Hassenklöver, T** T1-2C  
**Hatt, H** T6-9A, T6-11A, T19-9A, T19-14A, T19-15A, T19-28A, T19-29A, T19-3B, T19-4B, T19-12B, T19-19C, T19-27C, T20-6B  
**Hauber, W** T24-11A, T24-8B, T24-8C  
**Haucke, V** Sat-6, T7-7C  
**Hauser, F** T4-3C, S20-1  
**Häuser, S** T12-8B  
**Häusler, C** T26-13C  
**Hausmann, R** T20-7C  
**Häusser, M** T21-2A  
**Häussler, U** T1-12B, T9-4A, T11-9B, S12-6  
**Havemann-Reinecke, U** T13-4A  
**Haverkamp, S** T15-2A, T15-8B, T15-9B  
**Havlicek, G** T11-24A  
**Havlicek, S** T6-3C  
**Hawlitschka, A** T11-5B  
**Haythornthwaite, A** T6-2C  
**Hebert, P** T27-8C  
**Hecht, R** T21-2C  
**Heckmann, M** T1-8B, T11-4A  
**Hedrich, UBS** T6-5B  
**Hedwig, B** P7, T18-17C, T21-5B, T23-7A, T23-18C  
**Hegermann, J** S21-4  
**Heil, P** T18-2A  
**Heilmann, H** T23-6B

- Heiming, R** T25-7B  
**Hein, K** T11-19C, T12-6C  
**Heindel, W** S11-5  
**Heindl-Erdmann, C** T20-4B  
**Heindorff, K** S20-2  
**Heine, M** T6-8B  
**Heine, C** T6-6A, T27-3C  
**Heinemann, SH** T6-1A, T6-13A, T20-2A  
**Heinemann, U** T12-2A, T23-4A  
**Heinen, A** T1-9B  
**Heinmann, U** T9-7B  
**Heinrich, C** S7-4  
**Heinrich, R** T20-1A  
**Heldmann, M** T10-3B  
**Helduser, S** T21-10C  
**Helias, M** T8-10C, T26-13A, T26-1B, T26-3B, T26-4C, T26-6C  
**Hellekes, K** T21-3B, T21-4B  
**Hellmann, N** T11-4C  
**Hellrung, A** T11-7A, T11-23A, T11-24B  
**Hellwig, A** T14-3C  
**Helmchen, F** S16-3, T20-8B  
**Hemmelmann, M** T21-12B  
**Hemmer, B** T12-8C  
**Hendricks, M** T3-1B  
**Hendrix, P** T19-5B  
**Henneberger, C** T9-5C  
**Hennig, J** T11-6B  
**Hennig, RM** T17-3B  
**Henning, HA** T7-2A  
**Henning, A** T19-7B  
**Henninger, J** T17-6C  
**Henrich-Noack, P** T15-10A, T15-15A  
**Henschke, J** T18-17B  
**Hensgen, R** S20-3  
**Hentschke, H** T23-9A  
**Heppner, FL** T12-5B  
**Herfst, L** T26-8B  
**Hermainski, J** T8-4B  
**Hermann, D** T6-2C  
**Hermann, S** T15-3C  
**Hermann, M** T19-19B  
**Hernandez Gonzalez, VH** S21-6  
**Hernández Heras, FJ** T14-3A  
**Herold-Mende, C** S1-4  
**Herpertz, SC** S17-5  
**Herrera-Molina, R** T9-6C  
**Herrling, R** T15-12B, T15-16C  
**Herrmann, K-H** T15-1C  
**Herrmann, JM** T18-11C, T21-11A, T24-10B, T26-9A, T27-7C  
**Herrmann, IM** S1-4  
**Hertel, M** T2-4A  
**Hertel, N** T10-1A  
**Herwerth, M** T8-10A  
**Herz, A** T17-9B, T26-5A, T26-14B, T26-15C, T27-10B, T25-22B  
**Herzog, A** T23-11C  
**Hess, A** T20-4B  
**Heß, M** T23-18A  
**Hess, S** T22-4A, T22-1B  
**Hesse, F** T26-10A  
**Hetsch, F** T18-9B  
**Heuer, CM** T19-14B  
**Heumann, R** T4-5B, T12-7B, T13-2A, T13-1B, S24-PR  
**Heumüller, S** T12-8B  
**Heusler, J** T17-8B  
**Heyd, J** T18-17A  
**Hiemke, C** T13-4C, T21-12B  
**Hikita, K** T17-3A  
**Hildebrandt, KJ** T17-3B  
**Hildebrandt, H** T1-1A, T2-8B, S19-4  
**Hilgen, G** T15-7C  
**Hilger, MF** T25-2C  
**Hilla, A** T3-1A  
**Hillen, H** T6-2C  
**Hillmann, A** T11-22C  
**Himmelbach, M** T15-3B  
**Hinchliffe, D** T8-12C  
**Hinkerohe, D** T12-6B, T12-4C  
**Hinrichs, W** T27-1B  
**Hipp, JF** T23-4C  
**Hippe, S** T4-5B  
**Hirnet, D** T9-6A, T19-31C  
**Hirtz, J** T6-10B, T18-13B  
**Hobitz, S** T27-3A  
**Hobohm, C** T12-4B  
**Hoch, G** S21-6  
**Höche, N** T8-3B  
**Hof, D** T4-5A  
**Höfener, E** T24-6A  
**Hofer, S** T27-7B, T27-6C  
**Hoffmann, K** T25-24B  
**Hoffmann, K-P** T19-28A, T21-10A  
**Hoffmann, MB** S9-5, T16-10A, T18-2B  
**Hoffmann, S** T18-11A, T18-12C  
**Hoffmeister, P-G** T12-5A  
**Hofmann, J** T12-7A, T15-13C  
**Hofmann, M** T15-6C, T18-1A  
**Hofmann, D** T21-11A  
**Hofmann, N** T19-15C, T19-23C  
**Höft, S** T9-8B  
**Hollatz, D** T6-4B  
**Holley, MC** T17-1B  
**Holsboer, F** P2  
**Holstein, G** T20-5B  
**Holthoff, K** T4-4A  
**Holtkamp, M** T23-1C  
**Homberg, J** T8-2B  
**Homberg, U** T14-2A, T14-6A, T14-8B, T23-15B



**Homma, R** T19-1B  
**Hoogland, P** S18-3  
**Hooper, S** T21-1B  
**Hoppenrath, K** T12-6B  
**Horn, AK** T16-1B  
**Horstmann, K** T11-2B  
**Horváth, E** T11-11B, T11-15B,  
 T13-3A, T13-6C  
**Hoshi, T** T6-1A  
**Hourcade, B** S2-4  
**Houweling, A** T26-12A  
**Hovemann, BT** T7-7A, S24-PR,  
 T7-8A  
**Hoyer, N** T15-3C  
**Hrabé de Angelis, M** T11-  
 12B, T20-5C  
**Hu, W** T22-3A  
**Huang, X** T23-15A, T22-2B  
**Huang, M** T26-7C  
**Huang, MY-Y** T16-8B  
**Hübener, M** T16-9A  
**Huber, G** T15-7B  
**Huber, A** T14-8A, T14-1B, T14-  
 2B, T14-5C, S15-3  
**Huber, L** T1-2B, T1-10C  
**Huber, K** T3-3A  
**Hubka, P** T18-3A  
**Hübner, S** T19-13A, T19-28C  
**Hübner, CA** T15-7C  
**Hübner, N** T11-6B  
**Hübner, CA** T8-10B  
**Huebner, AK** T15-7C  
**Huggenberger, S** T18-13C,  
 T27-5A  
**Huitinga, I** T11-25A  
**Hüls, D** T23-6B  
**Hülse-Matia, M** T11-18C  
**Hülsmann, S** T5-1C, T9-7C  
**Hummel, T** Sat-3  
**Hummel, J** T17-8A  
**Hummerich, R** T8-7C  
**Hung, AY** T13-3C, T25-12A  
**Hurtado, A** T3-3C  
**Hüsters, J** T16-4B  
**Hustert, R** T7-10B, T21-3C  
**Hüttmann, K** T9-7B, T11-12C  
**Huylebroeck, D** T20-5C  
**Hvalby, O** T8-10A  
**Hyman, BT** T11-9A

## I

**Iavarone, A** S1-3  
**Idier, J** T26-8C  
**Iffland, L** T12-9C  
**Igelmund, P** T26-6B  
**Ignatious Raja, JS** T19-4C

**Ignell, R** T4-3C  
**Ihrke, M** T27-7C  
**Ilango, A** T27-5B  
**Illes, P** T6-4A, T6-5A, T6-6A  
**Illing, R-B** T17-5C, T18-14B  
**Imbrosci, B** T7-16B  
**Imhof, D** T6-13A  
**Imobersteg, S** T24-2B  
**Imperatore, R** S1-5  
**Ingelsson, M** T11-25A  
**Irlbacher, K** T21-11C  
**Isacoff, E** T3-4A  
**Isbrandt, D** T11-25C, T23-4B  
**Ito, K** T17-3A  
**Ito, J** T16-6A  
**Ivashkin, EG** T19-7C

## J

**Jablonka, S** T6-3C  
**Jabs, R** T8-11A, T9-7A, T9-5B,  
 T9-8B, T9-9C  
**Jacobi, E** T19-20C  
**Jacobi, S** T23-9C  
**Jaenicke, E** T11-4C  
**Jaffrey, SR** T27-12C  
**Jäger, C** T11-13B  
**Jäger, W** T12-8C  
**Jahnke, S** T26-10C  
**Jakab, M** T6-12A  
**Jakoby, P** T9-2B  
**Jannsens, E** S24-2  
**Jansen, R** T18-7A, T25-22A  
**Jansen, F** T25-7B  
**Janssen-Bienhold, U** T15-9A,  
 T15-6B, T15-12B, T15-3C, T15-  
 4C, T15-16C  
**Janz, K** T18-13B  
**Jaramillo, JH** T25-3A  
**Jarosch, M** T12-2A  
**Jarowyj, J** T10-4A  
**Jarry, H** T2-1A  
**Jarvis, S** T26-13B  
**Jawhar, S** T11-25A  
**Jedlicka, P** T8-10C  
**Jedynak, P** T1-4B  
**Jensen, ON** T6-3A, T6-2B,  
 S14-6  
**Jensen, V** T8-10A  
**Jeon, NL** T27-12C  
**Jeschke, M** T18-19A, T18-5B  
**Jesse, S** T11-23A  
**Jeub, M** T20-5C  
**Jgamadze, D** T3-4A, T27-8A  
**Jimenez, VR** S23-1  
**Jing, Z** S21-6  
**Joachimsthaler, B** T18-8C  
**Joger, HM** T25-17C

**John, K** T15-3C  
**John, N** T7-3B  
**Johnson, SL** T17-1B, T17-7B  
**Jöhren, O** T9-1C  
**Jones, MW** T23-14A  
**Joseph, J** S2-5  
**Joshi, G** S19-1  
**Jost, E** T25-5C  
**Jouhanneau, J-S** T23-18B  
**Juarez Paz, LM** T15-10C,  
 T26-9C  
**Juengling, K** T8-11C  
**Jung, N** Sat-6, T7-7C  
**Jung, SN** T14-8C  
**Jung, F** T18-16B  
**Jüngling, K** T4-2A, T5-2B,  
 T7-13B  
**Jungnickel, J** T11-10C  
**Jürgens, R** T24-5B

## K

**Kacza, J** T12-4B  
**Kaczmarczyk, L** T8-11A,  
 T9-5A, T9-9C  
**Kaczmarek, L** T1-4B  
**Kahl, T** T23-5B  
**Kahlis, J** T11-23B  
**Kahms, M** T7-12B  
**Kähne, T** T2-1B, T25-13A  
**Kahnt, J** T4-3C  
**Kaiser, M** T2-1C  
**Kaiser, A** T18-8A  
**Kalimo, H** T11-25A  
**Kaltenbach, S** T14-5C  
**Kaltwaßer, B** S14-5  
**Kalus, I** S19-1  
**Kalve, I** T11-10C  
**Kamikouchi, A** T17-3A  
**Kandel, E** T11-12C  
**Kandler, K** S14-4  
**Kann, O** T12-5B  
**Kanold, PO** S22-1  
**Kanowski, M** T16-10A  
**Kanso, R** T23-3A  
**Kantor, C** T4-2C  
**Kaping, D** T24-13B  
**Karagiannis, A** T27-2B  
**Karak, S** T17-10C  
**Karaus, A** T27-6C  
**Karl, RM** T7-2A  
**Karram, K** T9-5B  
**Karsai, G** S20-3  
**Karus, M** T1-3C  
**Kaslin, J** T1-2A  
**Kassing, V** T15-6C  
**Kastriti, M-E** T12-4A  
**Katsoulidou, V** T19-5B  
**Katz, E** T6-8C  
**Katzner, S** T16-7C  
**Kauf, C** T25-17C  
**Kaufman, MT** S21-5  
**Kaule, F** T16-10A  
**Kaupp, UB** S8-5  
**Kaur, J** T11-3A, T15-1A, T15-7B  
**Kaushalya, SK** T15-8B  
**Kay, B** T20-4B  
**Kaya, AM** T11-20B  
**Kayser, C** T16-10C, T18-3B  
**Kazek, A** T25-10C  
**Keary, N** T16-9B  
**Keil, A** T24-7A  
**Kelber, C** T19-2A, T19-24B,  
 T19-30B, T19-5C, T19-8C  
**Kellner, Y** T7-11B  
**Kellner, C** T27-10B  
**Kempter, R** S14-3, T18-4C,  
 T23-7B, T25-3A, T26-11B  
**Kenning, M** T19-6A  
**Kermer, P** T11-1A, T11-8C,  
 T11-17C, S18-4  
**Kern, R** T14-1A  
**Kerschbaum, HH** T12-10C,  
 T12-1A, T6-12A, T12-3B, T12-5C  
**Kersten, F** T15-13B, T15-12C  
**Kersting, I** T25-24B  
**Kessels, MM** T2-2C, T2-4C  
**Kettenmann, H** S1-5, S1-4,  
 T12-10B, T12-11B  
**Kettler, L** T18-12B  
**Khabarova, MY** T19-7C  
**Khan, MA** T7-13C  
**Khan Niazi, I** T21-11B  
**Kletz, S** T6-1C  
**Kietzmann, M** T17-4B  
**Kijas, M** T6-13A  
**Kilb, W** T4-2C, T8-2A, S22-3  
**Kim, HJ** T27-12C  
**Kindler, S** S13-2  
**King, AJ** T18-18B  
**Kinoshita, M** T14-7C  
**Kinscherf, R** T3-3A  
**Kipp, M** T6-6C  
**Kirbach, A** T25-3B, T25-9B  
**Kirchhoff, F** T6-8C  
**Kirmse, K** T4-4A  
**Kirsch, J** T7-8B  
**Kispert, A** T3-1C  
**Kiwit, J** T2-7C  
**Klaes, C** T26-2A  
**Klaft, Z-J** T23-4A  
 **Klämbt, C** T9-4B  
**Klasen, K** T6-4B  
**Klausmeyer, A** T21-2B, T21-2C  
**Kleene, R** S19-1  
**Klein, C** T18-14C  
**Klein, B** T12-5C, T12-10C



- Klein, J-C** T11-4B  
**Klein, C** T11-6A  
**Kleindienst, T** T2-2A  
**Kleineberg, C** T24-6A  
**Kleineidam, CJ** T19-24A, T19-31A, T19-8C, T19-10C, T19-12C, T19-11A, T19-9B, T19-5C, T20-8B  
**Kleinlogel, S** S21-1  
**Kletke, O** T6-11A  
**Klingauf, J** T4-3A, T7-12B  
**Klinge, A** T18-18A  
**Klingenhoefer, S** T16-9C  
**Klinke, I** T25-13B  
**Klinner, C** T19-18B  
**Klößener, T** T22-4A, T22-1B  
**Klohs, J** P5  
**Kloppenburg, P** T19-13B, T19-24C, T22-4A, T22-1B  
**Klopstock, T** T11-12B  
**Klosowski, R** S24-PR  
**Klotz, M** T11-20A  
**Klucken, J** T11-9A, T11-23B  
**Kludt, E** T19-8B  
**Klug, R** T21-3C  
**Kluge, C** T25-21C  
**Kluger, C** T26-15C  
**Klugmann, M** T2-3C  
**Klump, GM** T18-18A, T24-5A  
**Klyuch, B** T4-1C  
**Knaden, M** T19-20B  
**Knipp, S** T2-6C  
**Knippenberg, S** T11-14B, T11-21C  
**Knipper, M** T15-2B, T17-1B, T17-6B, T17-7B, T18-7C  
**Knoth, C** T21-12B  
**Kobbenbring, S** T22-4C  
**Kobe, F** T2-8C  
**Köbe, T** T16-8A  
**Kobler, O** T7-6A, T8-3B  
**Koch, N** T2-2C  
**Koch, M** S5-5  
**Koch, UR** T5-1C  
**Koch, U** T18-14A  
**Koch, JC** T11-18A, T11-8C  
**Koch, PC** T23-18A  
**Koch, S** T19-24A  
**Kochlamazashvili, G** T8-10B  
**Kochubey, O** T7-2C  
**Koenemann, S** T19-26A  
**Koenig, C** T19-18B  
**Koepfen, K** T15-5B  
**Koesling, D** T4-6B  
**Kofler, B** T12-3B  
**Kögler, G** T3-1B  
**Kohl, J** T6-8B  
**Kohl, T** T15-12A  
**Kohlbecher, S** T16-5B  
**Köhr, G** T8-4A, T8-10A, T25-17A  
**Kolbaev, S** T8-2A  
**Kollmann, M** T19-5A, T19-14B, T19-28B  
**Kolodziej, A** T18-12A, T27-5B  
**Kolodziejski, C** T25-1B  
**Komuniecki, RW** S20-5  
**König, B** T3-4B  
**Könnecke, B** T11-19C  
**Konnerth, A** T7-2A, T19-1B  
**Kononenko, NL** Sat-6, T7-7C  
**Konopka, W** T8-10A  
**Kónya, Z** T11-11B, T13-6C  
**Koo, SJ** Sat-6, T7-7C  
**Koolhaas, JM** T13-8B  
**Köpcke, LS** T26-9C  
**Köppl, C** T17-5B  
**Körber, C** T7-15C  
**Korsching, S** S8-6  
**Korte, M** T7-11B, T8-8B, T8-9B, T8-1C, T8-3C, T8-6C, T25-10A, T25-17B  
**Kortmann, S** T20-6B  
**Korz, V** T8-1B, T25-25B  
**Kössl, M** T17-4A, T17-6A, T17-8A, T17-2C, T17-8C, T18-6C, T18-15C  
**Kostarakos, K** T23-7A  
**Köster, R** S24-3  
**Köster-Patzlaff, C** T11-10C  
**Kötter, R** S10-2  
**Kovalchuk, Y** T19-1B  
**Koyanagi, M** T14-4B  
**Kozma, G** T11-11B, T13-6C  
**Kozmik, Z** S15-2  
**Kozyrev, V** T24-3A  
**Kraemer, U** T24-11C  
**Krafft, S** T3-5B  
**Krahe, R** T17-6C  
**Kral, A** T18-3A, T23-5A  
**Kramer, ER** T11-25B  
**Kramer, F** T6-10B, T7-2B  
**Kramer, M** T22-3C  
**Krämer, S** T18-9C  
**Krapp, HG** T14-3A, T14-4A  
**Krapp, HG** T14-5A  
**Krause, T** T25-11B  
**Krauss, JK** T21-3A  
**Krauß, A** T12-8A  
**Krauss, JK** T11-13A  
**Krebs, J** T24-9C  
**Kreienkamp, H-J** S13-2  
**Kreile, AK** T16-9A  
**Kreiner, G** T11-14C  
**Kreissl, S** T4-6A  
**Kreiter, AK** T16-2A, T24-4A, T24-3B, T24-12B  
**Kreitz, S** T20-4B  
**Kremer, H** T15-13B, T15-12C  
**Kremer, T** T7-15C  
**Kremer, S** T8-7C  
**Kress, S** T19-21A  
**Kretschmann, V** T19-23C



- Kretschmer, F** T15-14B  
**Kretschmer, V** T15-14A  
**Kretz, A** T15-1C  
**Kretz, O** T11-22A  
**Kretzberg, J** T15-14B, T15-10C, T20-8A, T23-17A, T26-9C  
**Kreutz, M** Sat-4, T7-4A  
**Kreuzberg, MM** T15-1B  
**Kriebel, A** T6-5C  
**Kriebel, M** T7-12A, T7-3C  
**Krieger, J** T19-20A, T19-17C  
**Krieger, J** T19-11C, T19-25C  
**Krieglstein, K** T23-16C, T1-3A, T1-12C, T4-7C, T11-15A, T12-2C  
**Kriener, B** T23-14C  
**Krishna, BS** T16-1A, T16-8C  
**Krishnamoorthy, V** T15-13A  
**Kröcher, T** T1-1A  
**Kroehne, V** T1-2A  
**Krohne, G** T25-11A  
**Kromer, T** T26-4B  
**Kron, M** T11-26C  
**Kropf, S** T15-15A  
**Kropf, J** T19-4A, T19-27B, T19-30B  
**Kros, CJ** T17-7B  
**Krügel, U** T12-7C  
**Krügel, T** T12-7C  
**Krüger, M** T27-3B  
**Krupp, AJ** T7-13A  
**Kruse, F** T3-1B  
**Kruska, N** T11-11A  
**Ku, M-C** T12-11B  
**Kuang, S** T24-6B  
**Kubista, H** T11-12A  
**Kudryavitskaya, E** T19-16B  
**Kuebler, LS** T19-18B, T19-29B  
**Kuegler, S** T11-16B, T11-8C  
**Kuenzel, T** T18-4B  
**Küffner, M** T7-14B  
**Kugel, H** S11-5  
**Kugler, E** T20-10B  
**Kugler, G** T16-5B  
**Kügler, S** T11-18A, T11-25B, S16-3  
**Kuharev, J** T11-20B  
**Kuhl, H** T2-4A  
**Kühlbrandt, W** S21-1  
**Kuhlmann, B** Sat-3  
**Kuhn, S** T17-7B  
**Kuhnert, S** S5-5  
**Kuklan, J** T19-27C  
**Kuleshova, E** T26-7B  
**Kulik, A** T5-1A  
**Kullmann, J** T9-4C  
**Kumagai, T** T18-16B, T22-2C  
**Kumar, A** T16-10A  
**Kumar, S** T11-25A, T11-26C  
**Kumar, A** T11-9B, T11-1C  
**Kumar, J** S1-5  
**Kumbier, E** S17-5  
**Kuner, T** T7-1C, T7-8C, T7-15C, T19-22A, T19-16B  
**Kunert, C** T6-5A  
**Kunkel, S** T25-25C, T26-6A, T27-9B  
**Kuntz, S** T25-6A  
**Kunzler, J** T13-7A  
**Kuokkanen, P** S14-3, T18-4C  
**Küper, M** T22-3C  
**Kuribayashi, J** T4-2C  
**Kurosaki, T** T7-2A  
**Kurt, S** T18-2C, T18-8C  
**Kurtenbach, S** T5-3A, T19-3B  
**Kurtz, R** S4-5, T7-7B, T14-1C  
**Küry, P** T1-9B  
**Kurz, T** T27-3A  
**Kuscha, V** T11-10A  
**Kuschka, J** T5-2A  
**Kuteykin-Teplyakov, K** T12-7B  
**Kutzki, O** T17-7C

## L

- Labitzke, J** T2-1A  
**Ladenbauer, J** T23-15C  
**Ladewig, T** T15-4B, T15-5B  
**Lagler, M** T11-12A  
**Lagnado, L** T15-9C  
**Lahvis, GP** S23-1  
**Laird, D** T15-12B  
**Lakes-Harlan, R** T17-3C, T17-9C, T18-5C  
**Lakomek, M** T6-1C  
**Lambert, F** T16-6C  
**Lämmer, A** T12-7C  
**Lampis, V** T13-5B  
**Lamsa, K** T23-3A  
**Land, R** T23-5A  
**Landgraf, P** T2-1B  
**Landmann, J** T20-3A  
**Lang, M-F** T22-1A  
**Lang, J** T17-2C  
**Lange, E** T4-5C  
**Lange, MD** T8-11C  
**Lange-Malecki, B** T13-2C  
**Lannfelt, L** T11-25A  
**Lanshakov, D** T1-8C  
**Laranjeira, A** T10-1C  
**Lasorella, A** S1-3  
**Latr, I** T11-21B  
**Lau, T** T8-7C  
**Laube, G** T4-1A, T23-5B, T27-10C  
**Laudes, T** T7-5B  
**Laughlin, SB** T26-15B  
**Laurini, C** T27-4C  
**Lavista Llanos, S** T19-29B  
**Lavrova, AI** T23-6A  
**Le, Q** T11-25C, T23-4B  
**Le Carpentier, E** T26-8C



- Le Ray, D** T16-6C  
**Lebenheim, L** T21-1A  
**Lebhardt, F** T14-7A  
**Leboulle, G** T27-9A  
**LeConte, Y** T19-6C  
**Lee, MM** T1-6C  
**Lefer, D** S2-4  
**Lefevre, C** T18-5C  
**Legler, C** T18-13C  
**Lehmann, JA-F** T18-15B  
**Lehmann, K** T16-9B, T16-11C  
**Lehmann, A** T19-22B  
**Lehmann, R** T19-29A  
**Lehmann, SJ** T21-7C  
**Lehmann, K** T25-24A, T25-3B, T25-9B  
**Leibig, C** T15-11A  
**Leibinger, M** T3-2C  
**Leibold, C** T26-8A  
**Leichsenring, A** T6-6A  
**Leinders-Zufall, T** T19-7A, T19-5B, T19-20C  
**Leipold, E** T6-1A, T6-13A, T20-2A  
**Leitinger, G** T11-24A  
**Lenarz, T** T17-4B  
**Lendvai, D** T12-9B  
**Leopold, D** T16-3A  
**Lerche, H** T6-5B  
**Lerner-Natoli, M** S12-5  
**Lesch, K-P** T25-7B, T1-6C  
**Leske, O** T13-2A, T13-1B  
**Lessmann, V** T1-4C, T7-5B, T7-9C, T8-1A, T8-8A, T8-6B, T8-9C, T11-20C, T25-18A, T25-21A  
**Lesting, J** T4-2A, T25-7B, T25-21C  
**Letiembre, M** T11-20A  
**Levin, E** T6-1C  
**Levine, JE** T22-5A  
**Levkovitch-Verbin, H** T11-19C  
**Leweke, FM** T23-9B  
**Lewik, A** T24-12C  
**Lewin, GR** S1-5  
**Lex, B** T24-8C  
**Li, S-B** T25-17A  
**Li, Q** T8-9B  
**Liautard, C** T6-5B  
**Libeau, C** T24-11C  
**Lichtendahl, E** T23-6B  
**Lichtenecker, P** T7-9C  
**Lie, DC** S7-2  
**Liebau, A** T27-2A  
**Liebig, L** T23-9A  
**Liebl, M** T11-20B  
**Liedmann, A** T1-5A, T1-7A  
**Liewald, J** S21-4  
**Lim, WKL** S1-3  
**Lim, HH** T18-11C  
**Liman, J** T11-1A  
**Lin, L** S9-6  
**Lin, K-H** T7-15B  
**Lindemann, JP** T14-7B  
**Linden, H** T26-5B, T26-2B  
**Lindner, A** T26-1A  
**Lingor, P** T11-18A, T11-8C  
**Linke, B** T20-7B  
**Linsmayer, D** T18-16C  
**Linzenbold, W** T15-3B  
**Lipke, E** T21-7A, T21-7B  
**Lippert, MT** T23-13C  
**Litovsky, RY** T18-18B  
**Liu, A** T11-20A  
**Liu, H-K** S1-1  
**Liu, Y** T1-12A  
**Liu, C** T25-25A  
**Lochte, A** T24-3A, T24-9C  
**Loer, D** T11-18C  
**Loescher, W** T11-8A  
**Logothetis, NK** T18-3B, T16-10C  
**Lohmann, C** T2-2A, T2-5B  
**Lohr, C** T9-3A, T9-6A, T19-31C  
**Lohrentz, A** T2-4A  
**Löhrke, S** T6-10B  
**Lopes da Fonseca, TRdS** T11-24C  
**Loreth, D** T11-22A  
**Löscher, W** T11-16A, T11-13C  
**Loser, MH** T1-12A  
**Loßow, K** T19-13A  
**Löwel, S** T11-17B, T15-1C, T16-9B, T16-4C, T16-11C  
**Löwenheim, H** T15-7B  
**Lu, H** S21-4  
**Luarte, A** T9-6C  
**Lübbert, H** T11-14A, T11-16C  
**Lucas, P** T19-27B  
**Lüdke, A** T19-30C  
**Ludolph, AC** S6-6  
**Lüdtke, WM** T18-1A  
**Ludwig, M** S17-4  
**Luebbert, H** T20-6B  
**Luebbert, M** T19-28A  
**Luhmann, H** Sat-1, T4-2C, T8-2A  
**Luksch, H** T15-8C  
**Lungrin, I** T11-21A  
**Lütcke, H** S16-3  
**Lüthi, A** Sat-8  
**Lüthy, K** T2-6A  
**Lutz, B** T8-6C, T12-6A  
**Lütz-Meindl, U** T12-5C, T12-10C  
**Lyzwa, D** T18-11C

## M

- Maas, U** T15-15C  
**Maas, A** T25-9A  
**Maasland, M** T11-6A  
**Maass, S** T8-1A  
**Machens, CK** T26-4A, T23-3C, T27-4B

- Maclver, MA** S4-3  
**Mack, AF** T9-1B  
**Madai, VI** T23-5B, T27-10C  
**Maerker, T** T15-13B  
**Maggio, N** T11-26B  
**Magill, PJ** T11-5C  
**Magin, S** T4-5A  
**Mahmood, R** T21-4C  
**Mai, B** T24-8B  
**Mai, JK** T9-9A  
**Mai, O** T19-7A, T20-1A  
**Maia Chagas, A** T20-2B  
**Maier, N** T23-7B  
**Maier, S** T23-12A  
**Maier, W** T11-26C  
**Maier, FC** S3-5  
**Maimon, G** S4-4  
**Maisonasse, A** T19-6C  
**Majdzari, A** T1-10C  
**Makarov, V** T25-12B  
**Maldonado, P** T16-6A  
**Malik, K** T3-3B  
**Malkemper, P** T11-14A  
**Mallog, N** T11-23B  
**Mallot, HA** T24-14C  
**Malyshev, A** T26-7B  
**Mamasuew, K** T19-15C, T19-23C  
**Manahan-Vaughan, D** T8-5B, T13-1C  
**Mandelkow, E** S24-1, S24-1, S24-3  
**Mandon, S** T24-4A, T24-3B  
**Mann, M** T27-3B  
**Mannewitz, A** T25-10B  
**Mannherz, HG** T2-8A  
**Manoli, M** T27-3A  
**Manoonpong, P** S4-1, T23-2B, T26-10A  
**Mansouri, A** T3-1C  
**Mansvelder, H** T2-3B  
**Mantegazza, M** T6-5B  
**Manteniotis, S** T6-11A  
**Manzini, I** T1-2C, T19-18A, T19-8B  
**Manzke, T** T5-1C, T10-2C  
**Marcillac, F** T9-1C  
**Marcillo, A** T3-3C  
**Marcotti, W** S14-1, T17-1B, T17-7B  
**Margolis, D** S16-3  
**Marinc, C** T4-4B  
**Marion-Poll, F** T19-16A  
**Maritzen, T** Sat-6, T7-7C  
**Märker, T** T15-12C  
**Markert, A** T20-5C, T20-6C  
**Markgraf, R** T6-13A  
**Markovic, D** T12-10B  
**Markram, H** S10-6  
**Marschner, A** T25-22C  
**Marshall, L** T23-1B  
**Martens, H** T11-25A  
**Marter, K** T25-23C, T27-6B  
**Martin, M** T6-5B  
**Martin-Villalba, A** S1-2  
**Martineau, M** T4-3A  
**Martinetz, T** T26-12C  
**Martinez, D** T26-10B  
**Martínez, S** T2-9B  
**Martinez-Trujillo, JC** T16-5A  
**Maruschak, B** T12-1B  
**Marx, C** T24-6A, T24-8A  
**Masetto, S** T17-1B, T17-7B  
**Mashaly, AMA** T2-10A  
**Masliah, E** T11-9A  
**Masserdotti, G** S7-4  
**Máté, Z** T11-15B, T13-3A, T13-6C  
**Matheson, T** T21-13A, T21-14C  
**Mathis, A** T26-5A, T26-14B, T26-15C  
**Matsumoto, M** T18-7C  
**Matti, U** T4-5A  
**Matyash, V** S1-5  
**Matzen, J** T23-1C  
**Mauer, D** T20-5C  
**Maunsell, JH** P3  
**Mawrin, C** T20-2A  
**Mayer, C** T22-5A  
**Mayer, U** T15-2C  
**Mazurova, Y** T11-21B  
**Mazzanti, M** T1-1C, T11-26A  
**Mazzoni, A** T16-10C  
**Mazzuoli, G** T20-10B, T20-9A  
**McDonald, R** T11-18C  
**McKnight, A** T21-13A  
**McLaughlin, JK** T1-8B  
**McLean, PJ** T11-9A  
**McTeague, LM** T24-7A  
**Mecklenburg, N** T2-9B  
**Medini, P** T23-12C  
**Mehlhorn, J** T25-2B  
**Meierkord, H** T23-1C  
**Meijer, M** T10-2A  
**Meinertzhagen, I** S2-2, T2-6A  
**Meis, S** T8-6B  
**Meisenberg, AC** T4-3B  
**Meisler, M** T6-8C  
**Meister, C** T17-9C  
**Meitinger, T** T11-12B  
**Meixensberger, J** T12-5A  
**Meka, VDP** T11-25B  
**Mellies, N** T15-3C  
**Meltendorf, S** T16-10A  
**Memmesheimer, R-M** T26-10C  
**Mencl, S** T11-3A, T11-2C  
**Mende, N** T2-1C  
**Mendl, CB** T15-15B  
**Mendritzki, S** T11-16C  
**Menzel, R** T25-4A, T25-20A, T25-24A, T25-3B, T25-9B, T25-13B, T25-8C, T25-12C, T27-9A



- Menzler, J** T15-11A  
**Merboldt, K-D** T27-7B  
**Mergia, E** T4-6B  
**Merkler, D** T12-6C  
**Merschbacher, K** T25-5A  
**Merten, K** T21-6C  
**Mertes, M** T14-6C  
**Meseke, M** T2-5A  
**Messemer, N** T6-4A, T6-5A  
**Metzger, J** T7-12A, T7-3C  
**Metzger, F** T11-22A  
**Mey, J** T2-4B, T6-5C  
**Meyer, D** T8-5A  
**Meyer, EM** T7-10C  
**Meyer, K** T8-1B, T25-25B  
**Meyer, N** T14-8A  
**Meyer, HG** T14-7B  
**Meyer, A** T15-1B  
**Meyer, AF** T18-13A  
**Meyer, R** T27-2C  
**Meyer, A-F** T26-3A  
**Meyerhof, W** T19-13A  
 T19-28C  
**Meyer-Lindenberg, A** S17-6  
**Mezler, M** T4-6C, T6-2C  
**Michalski, N** T2-7A  
**Michalski, D** T12-4B  
**Micheal, Al** T25-15B  
**Michel, K** T10-4C, T13-2B  
**Michels, B** T25-11A, T25-14A,  
 T25-15A  
**Middleton, CA** T11-6C  
**Miettinen, R** T7-16C  
**Mikhaylova, M** T7-4A  
**Miles, R** T7-11A  
**Milkereit, D** T11-25C  
**Miller, F** T18-8C  
**Miller, SP** T10-2B  
**Miller, EK** T25-23B  
**Miloslavina, A** T6-13A  
**Min, R** T8-7A  
**Minoli, SA** T19-16A  
**Mishra, D** T25-1A, T25-14A,  
 T25-20B  
**Misiak, M** T11-11C  
**Mißbach, C** T19-10A  
**Mitkovski, M** T2-3C  
**Mitsiades, T** S1-4  
**Mittmann, T** T4-6B, T7-16B  
**Mix, E** T11-5B  
**Mix, A** T23-2A  
**Miyakawa, H** T17-3A  
**Mizuno, H** T17-3A  
**Mlynczak, T** T12-7A  
**Mlyniec, K** T13-8C  
**Möck, M** S16-1  
**Moeller, L** T19-11B  
**Mogri, M** S21-5  
**Mohammad, B** T12-11C  
**Mohr, C** T17-4C  
**Mohr, E** T6-7C  
**Mohrmann, R** T7-9A  
**Moles, A** T13-5B  
**Mölle, M** T23-1B  
**Möller, J** T12-8C  
**Möller, F** T11-22B  
**Molnár, L** S20-3  
**Mombaerts, P** S8-1  
**Momma, S** S1-4  
**Moncada, M** T7-9B  
**Monory, K** T12-6A  
**Montalbano, A** T8-9A  
**Monyer, H** T15-12B  
**Moosmang, S** T17-6B  
**Moran, R** T18-16B  
**Morawski, M** T11-13B, T12-9A,  
 T18-9A  
**Morellini, F** T11-25C  
**Morgan, P** T1-5A, T1-7A  
**Morimoto, T** T17-3A  
**Morin, M** S12-5  
**Moritz, C** S14-5, T18-3C  
**Morland, A** S9-1  
**Morrison, A** T21-1C, T25-8B,  
 T25-25C, T26-6A, T27-9B, T27-11B  
**Mortensen, LS** T6-6B  
**Moser, T** S14-2, S21-6  
**Moses, E** T23-9C  
**Mosienko, V** T4-4C, T24-1A  
**Mrachacz-Kersting, N**  
 T21-11B  
**Mrowka, S** T16-3A  
**Muceli, S** T21-5A  
**Muckli, L** S9-3, T16-4A  
**Mueller, M** T2-8C  
**Mueller, R** T26-6B  
**Muente, TF** T24-11C, T10-3B  
**Muenz, TS** T19-6C, T25-1C,  
 S2-4  
**Mühlberger, A** S11-1  
**Mühler, R** T18-2B  
**Mühlhans, J** T15-5A, T15-8A  
**Müller, B** T15-6A  
**Müller, C** T15-16A, T24-1B,  
 T15-15C, T23-10C  
**Müller, B** T6-10B  
**Müller, A** T1-8B  
**Müller, J** T3-2B  
**Müller, HW** T3-3B, T3-5A,  
 T3-1B, T3-2B, T3-4B, T3-5B  
**Müller, U** T5-1C  
**Müller, CH** T20-5A  
**Müller, M** S21-1  
**Müller, T** T24-14C  
**Müller, U** T25-5A, T25-19C  
**Müller, E** T24-3C  
**Müller, M** T27-7A  
**Mulloney, B** T23-8B  
**Multhaup, G** T11-25A  
**Münch, T** T15-2B  
**Munsch, T** T1-4C, T7-5B, T8-6B

Münzner, G T9-4A  
 Murray, A T25-13C  
 Mylius, J T18-16A  
 Mzoughi, M S19-1

## N

Naber, M T24-5C, T25-6B,  
 T25-2C  
 Nagel, M T19-12C  
 Nagel-Wolfrum, K T11-22B,  
 T15-16A, T15-14C, T15-15C  
 Nagymajtényi, L T13-6C  
 Nahrendorf, W T25-4B  
 Naito, A T25-22C  
 Nam-Apostolopoulos, Y-C  
 T7-14B  
 Narayanan, RT T25-21C  
 Narayanan, V T25-7B  
 Narukawa, M T19-13A  
 Natusch, C T24-12C  
 Naumann, R T20-7C  
 Naumann, N T20-5B  
 Navakkode, S T8-1C  
 Nave, K-A S24-5, T2-7B,  
 T2-3C, T3-2A, T9-2A, T9-9B,  
 S23-6, T23-3A, T23-10A  
 Nawrot, MP T19-30A,  
 T27-10B, T23-8C, T25-12C,  
 T25-20A, T26-13C  
 Neef, NE T21-5C  
 Neef, A T6-9C, T21-5C  
 Neff, F T11-12B  
 Negm, M T9-7C  
 Negro, F T21-5A, T21-10B  
 Negwer, M T7-5A, T8-2B  
 Neitz, A T4-6B  
 Neitzel, SD T24-4A, T24-3B  
 Neitzert, K T11-26C  
 Nematian, E T6-1A  
 Nennig, E T21-12A  
 Nessler, S T12-8C  
 Neu, A T11-25C  
 Neubacher, U T7-16B  
 Neubauer, H T18-2A  
 Neubert, J S3-3, T27-5B,  
 T27-9C  
 Neufeld, J T24-13A, T24-6C  
 Neugebauer, S T6-1A  
 Neuhaus, EM T5-3A, T19-19A,  
 T19-25A, T19-3B, T19-12B  
 Neumann, M S6-3  
 Neumann, H T9-5A  
 Neumann, S T15-9B  
 Neumann, ID S17-2  
 Neumann, S T12-7B  
 Neumeyer, A T8-2C, T9-4C  
 Neupert, S T4-3C, T19-13B,  
 T23-15B, T19-9B  
 Neuwirth, M T8-10C  
 Nevian, T T8-7A

Ngo, H-W T26-12C  
 Nguyen, D T1-5C  
 Niebert, M T5-1C, T10-2C  
 Nieder, A T21-6C  
 Niekisch, H T18-9B  
 Nielsen, TA T21-14C  
 Niewalda, T T25-15A  
 Nieweg, K T11-3B  
 Nikiforuk, A T24-1C  
 Nilius, B T9-3A  
 Nimrich, V T6-2C  
 Nissen, W T23-3A  
 Nitsch, RM S24-4  
 Nietzsche, MA T24-9A  
 Nityanandam, A T1-7C  
 Niven, JE T25-7A, T26-15B  
 Nobre, A T11-10C  
 Noell, S T1-6A, T9-1B  
 Noll-Hussong, M T13-1A  
 Nolte, A T19-25B, T19-21C  
 Nordmann, C T12-3A  
 Nothwang, HG T6-3A, T6-2B,  
 T6-10B, S14-6  
 Novak, M T8-10A  
 Novak, A T11-24A  
 Novak, B T20-6B  
 Nowak, M T11-7C  
 Nowak, G T13-8C  
 Nowotny, M T17-4A, T17-8A,  
 T17-2C, T17-8C  
 Nowotny, T T19-2C  
 Nuber, UA S1-5  
 Nudelman, I T11-22B  
 Nunes, D T19-22A  
 Nußbaum, T T20-7C

## O

Oberacker, T T14-2B  
 Oberegelsbacher, C T14-8A,  
 T14-1B, T14-5C  
 Oberland, S T5-3A, T19-19A,  
 T19-25A  
 Obermayer, K T23-15C,  
 T25-22C  
 O'Brien, C T14-3B  
 Oddi, D T13-5B  
 Oehlke, O T6-3B  
 Oelschläger, HH T27-5A  
 Oemisch, M T19-10B  
 Oertel, W T12-8C  
 Oertner, TG S21-3  
 Offenhauser, N T17-1B  
 Ofri, R T11-19C  
 Ohi, FW T18-4A, T18-5B,  
 T25-15B, T26-3A, T18-5A,  
 T18-12A, T18-19A, T23-8A,  
 T23-15A, T23-13C, T27-5B,  
 T18-13A, T18-7B  
 Ohrmann, P S11-5  
 Olah, M T10-2A



- Oland, LA** S2-1  
**Oliveira, JF** T6-6A  
**Olsen, A** T11-8B  
**Olsson, SB** T19-29B  
**Omlor, L** T26-11A  
**Opitz, T** T23-16B  
**Oram, MW** T26-9B  
**Orlandi, JG** T27-11C  
**Ortega, F** S7-4  
**Ossig, C** T2-1A  
**Osterloh, M** T19-14A  
**Osti, D** T1-1C  
**Ostrowski, TD** T23-10B  
**Oswald, M** T11-6C  
**Oszlnczi, G** T11-11B,  
 T11-15B, T13-3A, T13-6C  
**Ott, T** T15-5B  
**Ott, SR** T25-7A, T25-2A, T25-9C  
**Otti, A** T13-1A  
**Otto, M** T11-23A  
**Oudega, M** T3-3C  
**Outeiro, TF** T11-10B, T11-24C,  
 S18-1  
**Overlack, N-L** T11-22B,  
 T15-12C, T15-16A, T15-14C  
**Ovezmyradov, G** T17-2B  
**Oviedo, T** T25-17A  
**z, P** T26-7C  
**zer, M** T11-10C

## P

- Paasche, G** T17-4B  
**Paeger, L** T19-24C, T22-1B  
**Paehler, M** T22-4A, T22-1B  
**Palazova, M** T24-4C  
**Palghat Udayashankar, A**  
 T17-4A  
**Pamir, E** T25-20A  
**Panksepp, JB** S23-1  
**Papageorgiou, I** T12-5B  
**Pape, H-C** T4-2A, T4-1B, S5-1,  
 T5-2B, T6-11C, T8-11C, T25-7B,  
 T25-21C  
**Papiol, S** T2-3C  
**Papp, A** T11-11B, T11-15B,  
 T13-3A, T13-6C  
**Paquet, D** S24-3  
**Paquet-Durand, F** S15-7,  
 T15-7B, T11-3A, T11-2C, T15-1A  
**Pardo, LA** T6-6B  
**Parker, E** T2-3A  
**Parlato, R** T3-3A, T11-14C  
**Parlog, A** T11-6B  
**Parsons, MM** T14-3A  
**Parthasarathy, S** T1-7B, T1-7C  
**Party, V** T19-16A  
**Pasch, E** T25-1C  
**Pasche, M** T4-5A  
**Pasemann, F** T21-3B  
**Pashai, R** S21-5  
**PaBlick, S** T8-11A, T9-7A,  
 T9-5B  
**Patane, L** T25-12B  
**Patel, V** T23-2B  
**Patirniche, D-M** T26-5A  
**Patz, S** T11-24A  
**Pauli, P** S11-1  
**Pauls, S** T17-2B  
**Pauls, D** T23-17B, T25-23A  
**Paulsen, O** T23-3A  
**Paulus, W** T21-5C, T24-9A  
**Pautot, S** T2-1C, T3-4A, T27-8A  
**Pawelzik, KR** T16-2A, T24-3B  
**Pech, U** T19-3A  
**Peichl, L** S15-4  
**Peleg, S** P4  
**Pelicci, G** T1-1C  
**Pellerin, L** T9-1C  
**Pelz, T** T5-3A, T19-19A,  
 T19-25A, T19-3B  
**Pelz, J** T12-4B  
**Penninella, D** T8-11B  
**Penninger, J** T20-4B  
**Pennuto, M** T11-19B  
**Pensold, D** T20-3A  
**Penuela, S** T15-12B  
**Perez, Y** T20-5A  
**Perez de Arca, K** T7-13A  
**Perez-Cruz, C** T11-6A  
**Perrodin, C** T18-3B  
**Pessoa, L** S11-4  
**Peter, E** T26-3C  
**Peters, W** T19-15B  
**Peters, D** T4-1A  
**Peters, A** T1-2C  
**Peters, A** T16-3A  
**Petersen, C** S16-5  
**Peterson, KD** T14-4A  
**Petkov, CI** T18-3B  
**Petrasch-Parwez, E** T4-6B  
**Petri, S** T9-8C, T11-14B,  
 T11-20B, T11-21C  
**Petrosino, S** S1-5  
**Petsophonsakul, P** T8-1A  
**Petterson, KH** T26-2B, T26-5B  
**Petzold, A** T25-18A  
**Pfabigan, S** T19-8C  
**Pfannstiel, J** T14-5C  
**Pfeiffer, N** T13-6A, T13-4B  
**Pfeiffer, K** T20-1B  
**Pfister, C** T1-6A  
**Pflger, H-J** T21-7A, T21-9A,  
 T23-3B  
**Pfrtnner, R** T12-12A  
**Pfrommer, H** T1-6A  
**Philipp, R** T21-10A  
**Pichler, B** S3-5  
**Pielarski, K** T7-13B  
**Pielock, SM** T24-8C

**Pieneman, A** T25-22A  
**Piepenbrock, D** T17-2A, T17-2B, T17-10C  
**Pieper, F** T15-11B, T16-5A  
**Pieper, A** T2-7B, T9-9B  
**Pinkas, A** T1-13C  
**Pipa, G** T26-16A  
**Pippow, A** T22-1B  
**Pirone, A** T15-2B  
**Pirschel, F** T20-8A  
**Piscitelli, F** T19-18A  
**Pitulescu, M-E** T1-4A  
**Pix, CM** T17-1C  
**Piyanova, A** T10-4C, T12-6A  
**Plabmann, K** T13-7B, T27-1C  
**Plate, K-H** T1-6B  
**Platel, J-C** T1-1B  
**Platzer, M** T20-2A  
**Plesser, HE** T26-6A, T27-9B  
**Plested, AJ** T6-10C  
**Plettner, E** T19-6C  
**Plewnia, C** T25-14C  
**Pocchiari, M** T11-7C  
**Poeck, B** T25-6A, T25-3C  
**Poehler, A-M** T11-9A  
**Pohland, M** T2-7C  
**Poirier, R** T11-22A  
**Polack, M** T8-6C, T25-10A  
**Polania, R** T24-9A  
**Polascheck, N** T11-16A  
**Pollák, E** S20-3  
**Poller, WC** T23-5B, T27-10C  
**Pongs, O** T8-4B  
**Ponimaskin, EG** T2-8C, T5-1C, S19-2  
**Pooryasin, A** T19-3A  
**Popik, P** T24-1C  
**Popp, S** T1-6C  
**Poppek, A** T6-11A  
**Poppendieck, W** T21-5A  
**Poppensieker, K** T12-6A  
**Porres, C** T18-8A  
**Pöschel, B** T23-16A  
**Poskitt, KJ** T10-2B  
**Post, A** T1-6C, T11-4A  
**Pothmann, L** T23-10C  
**Potjans, W** T25-8B  
**Potjans, TC** T26-6A, T26-2B  
**Poulet, JFA** T23-18B, S16-4  
**Pouzat, C** T22-1B  
**Pradier, B** T20-5C  
**Predel, R** T4-3C, T19-13B, T23-15B  
**Pregitzer, P** T19-17C  
**Preuschoff, K** T24-11B  
**Prieß, D** T11-5A  
**Prilloff, S** T15-10A, T15-15A  
**Prinz, M** T12-4A  
**Prochazka, U** T25-17C  
**Prochnow, N** T6-9B, T7-4B, T8-4C, T12-6B

**Proepper, C** T11-7A  
**Prokisch, H** T11-12B  
**Prosch, S** T18-12C  
**Proske, H** T19-1C  
**Psotta, L** T25-21A  
**Pszolla, MG** T4-6A  
**Pujol, A** T11-11A  
**Puk, O** T16-11C  
**Pul, R** T12-1C  
**Puller, C** T15-2A  
**Puopolo, M** T20-1C  
**Pusztai, P** T11-11B  
**Putz, S** S24-PR  
**Pyrski, M** T19-20C

## Q

**Qi, G** S16-2  
**Qualmann, B** Sat-7, T2-2C, T2-4C

## R

**Rabe, TI** T3-1C  
**Rabinowitz, NC** T18-18B  
**Rácz, I** T20-5C, T20-6C  
**Radovick, S** T22-5A  
**Radtke, D** T19-19C  
**Radtke-Schuller, S** T27-5C  
**Radyushkin, K** S23-6  
**Rafflenbeul, L** T27-6A  
**Raiser, G** T20-7A  
**Raj, D** T10-2A  
**Rajaratnam, R** T4-6C  
**Ramakrishnan, C** S21-5  
**Ranatunga, KM** T17-7B  
**Rasche, S** T19-19A  
**Ratzka, A** T11-19A, T11-10C  
**Rau, F** T17-3B  
**Rautenberg, P** T27-10B  
**Ravizza, T** T11-16A  
**Rawal, S** T2-6A  
**Reczynski, W** T13-8C  
**Redai, V** T7-13C  
**Reddy, S** T15-8B  
**Redecker, C** S7-6  
**Redelfs, S** T19-28B  
**Redies, C** T10-1A  
**Regen, T** T12-4A  
**Regenauer, C** T25-15C  
**Regus-Leidig, H** T7-6C  
**Rehkämper, G** T25-2B  
**Reichenbach, N** T25-13A  
**Reichenbach, JR** T15-1C  
**Reichinnek, S** T25-18B  
**Reif, A** S5-3, S11-5, T11-4A  
**Reifenrath, A** T4-3C  
**Reifenstein, ET** T25-22B  
**Reim, K** T15-5A  
**Reimer, V** T12-3C



- Reimers, L** T11-6A  
**Rein, J** S20-2  
**Reinecke, A** T19-7B  
**Reinecke, L** T23-10A  
**Reinhard, L-H** T17-8B  
**Reinhardt, J** T21-12A  
**Reinscheid, R** T4-2A  
**Reisch, D** T25-11A  
**Reischl, G** S3-5  
**Reiser, G** T9-6B, T11-11A, T12-3A  
**Rellecke, J** T24-10A  
**Rempel, HC** T24-12B  
**Remus, A** T25-10A  
**Remus, M** T17-8C  
**Remy, S** T23-10C  
**Renninger, C** T13-7C  
**Renou, M** T19-16A  
**Rether, K** T25-19C  
**Rettig, J** T4-5A  
**Reus, I** T19-31A  
**Reuss, S** T4-5C, T18-16C  
**Reuss, B** T1-3B  
**Reuter, W** T6-9B  
**Revelo, NH** T12-4A  
**Reymann, KG** T27-9C  
**Richlitzki, A** T25-5C  
**Richter, S** T24-11C  
**Richter, D** S13-2  
**Richter, JD** S13-3  
**Richter, D** T14-2B  
**Richter, K** T2-1B, T7-16C, T8-3B  
**Richter, A** T5-2A  
**Richter, DW** T5-1C, T10-2C, T2-8C  
**Richter-Levin, G** T13-7B  
**Ridder, D** T22-1A  
**Riedel, G** T25-13C  
**Riedel, T** T6-4A, T6-6A  
**Riedel, A** T7-16C, T25-10B  
**Rieger, N** T15-5B  
**Rieger, V** T19-25C, T20-5A  
**Riehle, A** T21-8B, T21-9B  
**Rieker, C** T11-14C  
**Riemann, M** T12-2B, T15-1C  
**Rien, D** T7-7B  
**Rigau, V** S12-5  
**Rijal Upadhaya, A** T11-21A  
**Rillich, J** T23-3B  
**Rinke, I** T6-1B  
**Rinner, B** T11-24A  
**Ripperger, A** T6-3A  
**Rippl, S** T19-4A  
**Rister, J** T14-2C  
**Ritter, M** T6-12A  
**Rittmeyer, M** T19-10C  
**Robberecht, W** S6-2  
**Robbins, EM** T7-13A  
**Roberts, A** T20-8C  
**Robson, SC** T1-6B  
**Rocca, E** T1-11C  
**Rockahr, C** T25-16C  
**Rockenstein, E** T11-9A  
**Röckle, I** T1-1A, T2-8B  
**Rodrigo, S** S7-4  
**Rodriguez, I** S8-3  
**Rodriguez, MM** T16-7A  
**Rodriguez-Sierra, O** S16-6  
**Roeder, T** T5-2C  
**Roemgens, A** T11-9C  
**Roemschied, FA** T17-9A  
**Roeper, J** T8-10C  
**Roepman, R** T15-13B, T15-12C  
**Rogers, SM** T25-2A, T25-9C  
**Rohde, AM** T1-5C  
**Rohleder, C** T23-9B  
**Rohm, H** T17-4B  
**Rohrer, H** T1-2B, T1-10C  
**Rolfs, A** T1-5A, T1-7A  
**Röllecke, K** T6-9A  
**Rolyan, H** T11-15C  
**Rom Kristensen, S** T21-11B  
**Romo-Parra, H** T4-1B  
**Ronacher, B** T14-7A, T17-9A, T17-7C, T18-9C  
**Rönicke, S** T11-11A  
**Roock, A** T17-4B  
**Rösch, F** T21-12B  
**Rosenbaum, P** T21-6A  
**Rosenbaum, T** T19-30A, T19-31A  
**Roser, F** T1-6A  
**Röser, C** S20-2  
**Rosiewicz, K** T25-18C  
**Röskam, S** T25-12A  
**Rösler, AR** T23-4A  
**Rösler, A** T17-8B  
**Rosner, R** T14-8B  
**Rospars, J-P** T26-10B  
**Rosskoth-Kuhl, N** T17-5C  
**Rössler, W** S2-4, S2-2, T14-3C, T19-2A, T19-4A, T19-11A, T19-30A, T19-31A, T19-24B, T19-30B, T19-3C, T19-5C, T19-6C, T25-1C  
**Rossner, MJ** T13-5C, T23-10A, T27-4A, T27-1B  
**Rossner, C** T12-9C  
**Roszak, P** T11-8C  
**Rotermund, D** T24-3B  
**Roth-Alpermann, C** T20-9B  
**Rothe, A** T24-2A  
**Rothenberger, A** T13-2C  
**Rothermel, M** T19-28A, T19-4B  
**Rotte, C** T19-24C  
**Rotter, S** T11-1C, T26-13B, T26-4C, T26-6C  
**Roulet, FI** T13-3C  
**Roussa, E** T6-3B, T23-16C  
**Rubini, P** T6-5A  
**Rübsamen, R** T18-9A  
**Ruchty, M** T20-8B  
**Ruczynska, I** T2-4A



Rudolph, J T1-9A  
 Rueck, A T11-7A  
 Ruhl, T T17-4C  
 Rune, GM T2-1A, T11-2A,  
 T8-6A  
 Ruploh, T T25-10C  
 Ruppert, M T19-16C  
 Rusakov, D T7-14A  
 Rusakov, DA T9-5C  
 Rust, MB T9-4C, T8-7B, T7-6B  
 Rutishauser, U T25-6B  
 Rüttiger, L T17-1B, T17-6B,  
 T18-7C  
 Rybak, A T1-5C  
 Rybak, J T19-9C

## S

Sabel, BA T15-10A, T15-15A  
 Sacher, T T23-17A  
 Sachs, A T16-5A  
 Sachse, S S8-4, T19-29B,  
 T19-7B  
 Sachser, N T25-7B  
 Sahaboglu Tekgöz, A T15-1A,  
 T15-7B  
 Sajikumar, S T8-8B, T8-9B  
 Sakaba, T T6-6B  
 Sakimura, K T7-2A  
 Saldeitis, K T18-4A  
 Salinin, S T22-1A  
 Sambataro, F T11-19B  
 Sancho-Pelluz, J T15-7B  
 Sandalon, S T11-19C  
 Sandeman, RE T19-11C  
 Sandeman, DC T19-11C  
 Sandoval, M T9-6C  
 Sandoz, J-C S2-4  
 Sanes, JR P6  
 Sági, A T11-11B, T13-6C  
 Sargsyan, V T19-6B  
 Sárközi, L T13-3A  
 Sassoé-Pognetto, M T7-6B,  
 T8-7B  
 Sättler, M T11-19C  
 Sauer, J T25-13C  
 Saumweber, T T25-11A,  
 T25-14A, T25-4B  
 Saunders, R T16-3A  
 Savalli, N T1-1C  
 Savtchenko, L T7-14A  
 Scaramuzzino, C T11-19B  
 Schaal, J T27-6B  
 Schabbach, N T4-5C  
 Schachner, M S19-1  
 Schacht, A T24-10A, T24-4C,  
 T24-13C  
 Schachtner, J T4-3C, T19-5A,  
 T19-13B, T19-14B, T19-28B  
 Schaefer, U T11-24A  
 Schäfer, K-H T11-20A, T11-4B,  
 T12-8B  
 Schäfer, MK T2-9C, T7-14B  
 Schäfer, C T9-7A  
 Schäfer, K T22-4C  
 Schaffer, D T3-4A  
 Schallhorn, R T12-6C  
 Schanze, T T26-1C  
 Schänzer, A T1-6B  
 Schauer, C T19-7A  
 Scheffel, J T12-4A  
 Scheffler, B T12-11A  
 Scheiblich, HC T26-6B  
 Scheich, H T18-4A, T18-17B,  
 T25-15B, T27-5B, T27-9C  
 Scheller, A T6-8C  
 Scheller, A T20-2C  
 Schemann, M T20-10B, T20-9A  
 Schendzielorz, T T19-15B  
 Scherberger, H T2-4A, T21-7C  
 Scherf, N T27-3C  
 Schett, G T20-4B  
 Scheunemann, L T25-5C  
 Scheuss, V T7-17A, T8-5A,  
 T16-2B  
 Schick, B T17-7A  
 Schicknick, H T25-13A  
 Schiegel, W T27-10B  
 Schiff, M T2-8B  
 Schild, D T1-2C, T19-18A,  
 T19-8B  
 Schild, H T11-20B  
 Schild, S T25-10A  
 Schildberger, K T20-5B  
 Schimansky-Geier, L T23-6A  
 Schimmang, T T17-6B  
 Schindler, J T6-3A, T6-2B,  
 S14-6  
 Schira, J T3-1B  
 Schirmeyer, J T20-2A  
 Schittenhelm, J T1-6A  
 Schlegel, U T12-6B, T12-4C  
 Schleicher, S T19-24C  
 Schlenther, D T17-6A  
 Schleyer, M T25-4B  
 Schloss, P T8-7C  
 Schlumbohm, C T11-16B,  
 T11-23C  
 Schlüter, OM T7-4C, T7-14C,  
 T22-2B  
 Schmalzing, G T9-6A, T20-7C  
 Schmid, A S3-5  
 Schmid, C T18-11B  
 Schmid, MC T16-3A  
 Schmid, B T25-14A  
 Schmid, B S24-3  
 Schmidt, E S24-1  
 Schmidt, R T25-3A, T26-11B  
 Schmidt, M T26-8B  
 Schmidt, L T23-15B



- Schmidt, S** T21-11C  
**Schmidt, J** T21-8C, T21-13C  
**Schmidt, K-F** T11-17B, T16-4C, T15-1C  
**Schmidt, K** T15-9A, T15-12B  
**Schmidt, S** T11-17B  
**Schmidt, M** T1-10C  
**Schmidt, E** T9-2B  
**Schmidt, I** T9-4B  
**Schmidt, R** T8-12A, T8-11B, T8-12C  
**Schmidt, S** T7-9B  
**Schmidtke, D** T24-10C  
**Schmitt, L** T25-1A  
**Schmitt, AG** T1-6C  
**Schmitt, O** T3-1A, T11-5B, T26-3C  
**Schmitt, KR** T12-8A  
**Schmitt, U** T13-4C, T21-12B  
**Schmitz, K-P** T17-4B, T26-3C  
**Schmitz, C** T3-1B, T3-2B  
**Schmitz, D** T7-5C, T23-7B  
**Schmitz, M** T25-5B  
**Schmitz, B** T27-4C  
**Schmölzer, J** T6-12A  
**Schmuker, M** T19-22C, T25-1A, T26-13C  
**Schnack, C** T11-23A  
**Schnaitmann, C** T14-3B, T25-8A  
**Schnakenberg, U** T27-8B  
**Schneegans, S** T26-2A  
**Schneggenburger, R** T2-7A, T7-2C  
**Schneider, M** S5-4  
**Schneider, R** T6-8B  
**Schneider, G** T8-10C  
**Schneider, D** T12-4B  
**Schneider, E** T16-5B, T24-3C  
**Schneider, T** T26-6B  
**Schneider, A** T19-26C  
**Schneider, AC** T23-12A  
**Schneidler, C** T14-1B  
**Schnell, C** T9-7C  
**Schnepel, P** T7-10A, T23-8C  
**Schnichels, S** T12-7A, T15-13C  
**Schnieder, M** T11-1A  
**Schöbel, A** T12-6B, T12-4C  
**Schöbel, N** T19-29A, T19-19C  
**Schober, D** T8-7B  
**Schober, A** T3-3A, T3-5A, T11-14C  
**Schoebel, N** T20-6B  
**Schoemaker, H** T6-2C  
**Schoeneich, S** P7, T18-17C  
**Schöley-Pohl, E** T19-28C  
**Scholich, K** T20-7B  
**Scholl, C** T25-1C  
**Scholz, S** T25-4C, T25-18C  
**Scholz, H** T19-16C, T19-26C  
**Schöne, C** T22-1C  
**Schöneich, S** T23-18C  
**Schöner, G** T26-2A  
**Schönfelder, Y** T13-4C  
**Schoonheim, P** T23-3C  
**Schott, B** T24-11C, T7-4A  
**Schreiber, S** T6-8A, T17-9A, T23-6A, T25-22B, T26-5C  
**Schreiner, B** T19-29A  
**Schrewe, A** T11-12B  
**Schrobsdorff, H** T27-7C  
**Schröder, UH** T27-9C  
**Schubert, T** T24-3C  
**Schubert, T** T2-3A, T15-4B  
**Schubert, D** T7-5A, T8-2B  
**Schubert, M** S8-4, T19-29B  
**Schubotz, RI** T18-18C, T24-4B  
**Schuemann, A** T8-3A  
**Schuh, C-D** T20-7B  
**Schuhmann, MU** T12-5A  
**Schuieler, G** T11-23B  
**Schulenburg, T** S14-5  
**Schuller, G** T27-5C  
**Schulten, R** T20-6B  
**Schultheis, C** S21-4  
**Schultheiss, M** T12-7A, T15-13C  
**Schultz, K** T15-4C  
**Schultze, A** T19-20A  
**Schultze-Kraft, M** T26-3B  
**Schulz, A** T22-4C  
**Schulz, SB** T23-4A  
**Schulz, K** S16-3  
**Schulz, AL** T18-5A  
**Schulz, J** T11-25B  
**Schulz, JG** T10-1C  
**Schulz, P** T1-2C  
**Schulze, H** T17-7A, T18-1B, T18-1C  
**Schulze, C** S19-1  
**Schulze, J** T23-15B  
**Schulz-Schaeffer, W** T11-7C, T25-5B  
**Schumacher, J** T19-22C  
**Schuman, E** S13-1  
**Schumann, F** T16-5B  
**Schürmann, F-W** T2-10A  
**Schütt, J** S13-2  
**Schütz, S** T19-5A  
**Schütz, G** T1-10C, T3-3A, T11-14C, T13-6A  
**Schwab, MH** T2-7B, T3-2A, T9-2A, T23-3A  
**Schwab, ME** T8-3C, T25-17B  
**Schwabe, K** T11-13A, T21-3A  
**Schwanager, M** T22-1A  
**Schwannauer, KJ** T14-9A, T25-19A  
**Schwanzar, D** T11-7A, T11-24B  
**Schwarting, RKW** T13-7C, T11-18C, T25-12A, T24-12C, T24-12A

- Schwartz, P** T1-2C  
**Schwarz, C** S16-6, T20-6A, T20-2B, T20-9C  
**Schwarz, S** T25-22A  
**Schwärzel, M** T25-4C, T25-5C, T25-18C  
**Schwarz-Herzke, B** T9-9A  
**Schwenger, D** T7-15C  
**Schwert, H** T4-2B  
**Schweyer, S** T12-9C  
**Schwintzer, L** T2-2C, T2-4C  
**Schwyn, DA** T14-5A, T14-3A  
**Schymura, D** T19-20A, T19-17C  
**Sciancalepore, M** T8-9A  
**Scott, A** T11-10A  
**Szczepan, T** T21-2B, T21-2C  
**Seagraves, KM** T18-17C  
**Sedmak, T** T15-10B  
**Seefluth, F** T19-12A, T19-11C  
**Seeger, G** T11-13B, T18-9A  
**Seeliger, M** T15-7B  
**Seffer, D** T13-7C  
**Segal, M** T11-26B  
**Segal, D** T20-1C  
**Sehn, E** T15-11C, T15-15C  
**Seide, K** T3-2B  
**Seidenbecher, CI** T7-3B, T7-4A, T7-6A, T24-11C  
**Seidenbecher, T** T25-7B, T25-21C  
**Seifert, G** T8-11A, T9-5A, T9-7A, T9-5B, T9-8B, T9-3C, T9-9C  
**Seifert, B** T11-20C  
**Seitter, H** T15-2B  
**Sejnowski, TJ** T26-12B  
**Seki, H** T17-3A  
**Sekulla, A** T27-4C  
**Selcho, M** S20-3, T23-17B, T25-23A  
**Selten, M** T7-5A, T8-2B  
**Seltmann, S** T18-7A  
**Semar, S** T11-20A  
**Sendtner, M** S6-5, T6-3C  
**Sengottuvel, V** T3-2C  
**Sengupta, B** T20-2B, T26-15B  
**Senthilan, PR** T17-2B, T17-10C  
**Sergeeva, OA** T6-11A  
**Setti, M** T1-1C  
**Sgourdou, P** T1-11A  
**Shah, S** S14-3  
**Shao, J** T15-5C  
**Shao, H** T2-8A  
**Sharaf, A** T11-15A  
**Shargorodsky, L** T6-1C  
**Sharopov, S** T4-2C  
**Sharp, T** T11-5C  
**Shelton, B** T18-17C  
**Sheng, M** T13-3C, T25-12A  
**Shenoy, KV** S21-5  
**Shi, Y** T24-3C  
**Shiau, L** T23-15C  
**Shichida, Y** T14-4B  
**Shiga, S** P9  
**Shumake, J** T25-15B  
**Sibbe, M** T1-12B  
**Sieben, K** T23-14B  
**Siebert, H** T12-1B  
**Siegel, F** T2-5B  
**Siegel, M** T23-4C, T25-23B  
**Sieler, S** T20-9C  
**Signore, SC** T11-17C  
**Siju, KP** T4-3C  
**Silbering, AF** T19-10B  
**Simeone, L** T7-13C  
**Simkovic, M** T26-8A  
**Simmers, J** T16-6C  
**Simoës, PM** T25-7A  
**Simonnet, J** T7-11A  
**Simons, M** T11-19C  
**Simonsen, TJ** T14-5A  
**Singer, W** T17-6B, T18-7C  
**Singh, V** T12-10A  
**Singh, S** T11-11C  
**Singheiser, M** T18-6B  
**Sinke, C** T24-13A, T24-6C  
**Sirén, A-L** T1-8B  
**Sisignano, M** T20-1C  
**Sivakumaran, S** S22-6  
**Sivalingam, J** T2-4B  
**Siveke, I** T18-8A  
**Siwanowicz, I** T25-25A  
**Skandsen, T** T11-8B  
**Skuljec, J** T12-1C  
**Slippens, T** T8-2B  
**Sloviter, RS** S12-2  
**Smalla, K-H** T2-1B, T7-3B, T8-3B, T9-6C, T25-13A  
**Smart, TG** T5-1C  
**Smiljanic, S** T5-2A  
**Smith, ESJ** S1-5  
**Smith, F** T16-4A  
**Snyder, EY** S1-3  
**Sobolev, A** T27-10B  
**Soelter, J** T19-22C  
**Soffe, SR** T20-8C  
**Sokolowski, M** T25-6A  
**Sollich, K** T11-25B  
**Soltani, P** T12-8A  
**Sombke, A** T19-12A, T19-23B  
**Sommer, R** T16-7A  
**Sommer, N** T12-8C  
**Sommer, C** T11-4A, T11-1B  
**Sommer, W** T24-10A, T24-4C, T24-13C  
**Sommer, T** T25-22C  
**Sommer, L** T19-10B  
**Sommer, M** T21-5C  
**Sondersorg, AC** T19-9A, T19-4B  
**Sonja, W** T11-24A  
**Sonntag, S** T15-4C



- Sørensen, JB** T7-9A  
**Soriano, J** T23-9C, T26-11C, T27-11C  
**Sorusch, N** T15-12C  
**Sosulina, L** T4-1B  
**Sotelo, C** T2-9B  
**Spaethe, J** T19-8C  
**Spalthoff, C** T14-1C  
**Spanou, E** T24-2C  
**Specht, D** T7-6C  
**Speck, O** T16-10A  
**Speer, JM** T23-16C  
**Spehr, J** T19-1A, T19-11B, T19-19C  
**Spehr, M** T19-1A, T19-17A, T19-11B  
**Spittau, B** T11-15A, T12-2C  
**Spitzbarth, B** T15-11C  
**Spitzer, MS** T15-13C, T12-7A  
**Spors, H** T19-22B, T19-22C, T1-11A  
**Stadelmann-Nessler, C** T12-8C  
**Stadler, J** T16-10A  
**Staedele, C** T23-2C  
**Staiger, J** S16-1  
**Stamboulian, S** T1-1B  
**Stan, A** T7-15A  
**Stangel, M** T12-10A  
**Stangel, M** T12-1C  
**Stavenga, DG** T14-4B  
**Stavermann, M** T9-3A  
**Stefano, P** T16-10C  
**Stein, V** T6-1B, T7-13A  
**Stein, W** T23-2C  
**Steinecke, A** T1-9A, T10-3C  
**Steingrube, S** S4-1  
**Steinhäuser, C** T8-11A, T9-5A, T9-7A, T9-5B, T9-7B, T9-8B, T9-3C, T9-9C, T11-12C  
**Steininger, T** T12-1A  
**Steinke, L** T8-6C  
**Steinmetz, C** T11-7A  
**Stemme, T** T19-26A  
**Stemmler, MB** T25-22B, T26-5A, T26-14B, T26-15B, T26-15C  
**Stengl, M** T6-7B, T19-15B, T19-25B, T19-14C, T19-21C, T23-11A, T23-15B  
**Stensmyr, MC** T19-29B, T19-13C, T19-9C  
**Stephan, KE** T18-16B  
**Stephano, F** T5-2C  
**Stern, M** T1-5B, T2-9A  
**Sternberg, K** T17-4B  
**Sternjack, A** S1-4  
**Stern-Schneider, G** T15-11C  
**Stetter, OF** T26-11C  
**Stevenson, PA** S20-6, T20-5B, T23-3B  
**Stieb, SM** T14-3C, T19-24B, T19-3C  
**Stiedl, O** T25-22A  
**Stier, U** T4-5C, T18-16C  
**Stierle, JS** T19-17B  
**Stippich, C** T21-12A  
**Stirman, J** S21-4  
**Stitt, IM** T15-11B  
**Stöber, F** T7-16C  
**Stock, K** S1-5  
**Stockebrand, MC** T8-4B  
**Stocker, B** T21-9A  
**Stocker, R** T23-17B, T25-23A  
**Stoewer, A** T27-11A  
**Stollhoff, N** T25-20A  
**Stone, D** T3-4A  
**Stopfer, M** S2-5  
**Storch, S** T24-14C  
**Stöver, T** T17-4B  
**Stoya, G** T10-1A  
**Stoykova, A** T1-4A  
**Straka, H** T16-1B, T16-6C  
**Strat, D** T11-7A  
**Straub, VA** T2-5C  
**Straubinger, M** T7-13C  
**Straumann, D** T16-8B  
**Strausfeld, N** T19-25C  
**Strauss, R** T25-6A, T25-11B, T25-12B, T25-3C, T25-15C, T25-17C  
**Strauss, J** T17-3C  
**Strehl, A** S13-1  
**Streinzer, M** T19-8C  
**Strelau, J** T3-5A, T3-4C  
**Strenzke, N** S21-6  
**Stridh, MH** T9-1A  
**Strien, N** T10-3B  
**Striessnig, J** T6-10B  
**Strippel, C** T4-1B  
**Strohschein, S** T9-7B  
**Strokin, M** T9-6B, T12-3A  
**Strotmann, J** T19-23A, T19-21B, T19-18C  
**Strube-Bloss, M** T25-12C  
**Strutz, A** S8-4  
**Stubbendorff, C** T13-8B  
**Stubbusch, J** T1-2B  
**Stuettingen, M** T20-2B  
**Stühmer, W** T6-6B, T26-7A  
**Stumpner, A** T20-1A, T23-10B  
**Stüttgen, MC** T20-9C  
**Subramanian, N** T6-3C  
**Südhof, TC** T7-13A  
**Sué, M** T22-2C  
**Sulman, EP** S1-3  
**Sun, H** T9-8C  
**Sungur, AÖ** T25-18A  
**Suslow, T** S11-5  
**Sutor, B** T8-8C  
**Suttikus, A** T12-9A

Sweeney, S T11-6C  
 Sygnecka, K T27-3C  
 Sylantyev, S T7-14A  
 Synowitz, M S1-5, S1-4  
 Szabó, M T11-11B  
 Szabó, A T11-11B, T11-15B,  
 T13-3A, T13-6C  
 Szafranski, K T20-2A  
 Szegoe, E T11-8C  
 Szurman, P T12-7A, T15-13C  
 Szyszka, P T19-10B, T19-17B,  
 T19-30C

## T

't Hart, BM T16-5B, T16-5C,  
 T24-11B  
 Taghizadeh, B T21-14A  
 Takacs, S T11-15B  
 Takagaki, K T23-15A, T23-13C  
 Takago, H S21-6  
 Tammer, R T27-7B  
 Tan, S T11-5C  
 Tan, S T1-5B  
 Tanaka, RJ T14-3A  
 Tanimoto, H T14-3B, T20-10A,  
 T25-8A, T25-14A, T25-25A  
 Tanimoto, N T15-5B, T15-7B  
 Tarabykin, V T1-11A, T1-7B,  
 T1-7C, T1-8C, T2-7B, T3-2A  
 Taschenberger, H T7-15B  
 Tatò, G T8-9A  
 Taveggia, C T9-2A  
 Taylor, V T1-12B  
 Tchumatchenko, T T26-16C  
 Teller, S T23-9C, T27-11C  
 Tellers, P T18-15B  
 Temel, Y T11-5C  
 Tenzer, S T11-20B  
 ter Maat, A T18-7A  
 Terakita, A T14-4B  
 Termini, PS T25-12B  
 Terpitz, U S21-1  
 Tetzlaff, C T25-1B  
 Tetzlaff, T T26-13A, T26-1B,  
 T26-2B, T26-5B  
 Teufel, C T18-18C  
 Thal, DR T11-21A, T11-15C  
 Thau, N T9-8C, T11-14B,  
 T11-21C  
 Theis, M T8-11A, T9-5A, T9-8B,  
 T9-9C, T11-12C, S13-5  
 Theunissen, LM T21-12C  
 Thiebes, AL T27-8B  
 Thiel, CS T7-12B  
 Thimm, A T20-3B  
 Thoma, V T20-10A  
 Thomas, U T6-8B  
 Thomas, S T9-4B  
 Thran, J T25-3C  
 Thum, A T23-17B, T25-23A,  
 T25-5C  
 Thyssen, A T9-6A  
 Tiesinga, PHE T26-12A  
 Tiesinga, P T26-12B  
 Tillein, J T18-3A  
 Timme, M S4-1, T23-14C,  
 T26-10C  
 Timmermann, B T2-4A  
 Timofeev, I T23-12B  
 Tinnes, S T9-4A, T10-3A  
 Tippmann, A T7-1A  
 Tischmeyer, W T8-3B, T25-13A  
 Tittgemeyer, M T18-16B  
 Tobias, B T7-17A  
 Toenges, L T11-8C  
 Toetter, B T5-3A, T19-19A,  
 T19-25A  
 Töle, J T19-28C  
 Töllner, K T11-13C  
 Tolnai, S T18-18B  
 Tolosa, A T4-7C  
 tom Dieck, S T7-6C  
 Tomlins, R T11-6C  
 Tongiorgi, E T8-9A  
 Töpfer, M T11-13C  
 Torkkeli, PH T20-1B  
 Toyka, KV T11-1B, T11-4A  
 Tozakidou, M T21-12A  
 Trapp, T T3-1B  
 Traschütz, A T16-2A  
 Trattnig, CME T11-24A  
 Trengove, C T26-14C  
 Treue, S T13-2C, T16-1A,  
 T16-7C, T24-2A, T24-3A,  
 T24-13B, T24-2C, T24-9C  
 Trevino, M T25-17A  
 Trevino Villegas, M T8-4A  
 Trifunovic, D T11-2C  
 Trinks, S T7-12A, T7-3C  
 Triphan, S T25-8A  
 Tritschler, H T12-3C  
 Tröger, C S11-1  
 Trost, L T18-7A  
 Trotter, J T9-5B  
 Tumanj, H T11-23A  
 Tuoc, TC T1-4A  
 Tupak, S S11-3  
 Turchi, J T16-3A  
 Turimella, SL T8-11A, T9-9C,  
 T9-5A, T11-12C  
 Tushev, G S13-1  
 Tzekova, N T1-9B  
 Tziridis, K T18-1B, T18-1C

## U

Ufartes, R T6-6B  
 Ullsperger, M T24-8A  
 Ulrich, R T12-1C



Unger, L T4-6C  
 Unsicker, K T1-10A, T3-3A,  
 T3-5A, T3-4C  
 Unterbarnscheidt, T T9-2A  
 Urbach, A T1-10B, T25-16B  
 Urra, F T7-1C

## V

Vahle-Hinz, C T20-3C, T20-9C  
 Van Bockstaele, E T4-2B  
 van Dam, A-M S18-3  
 van de Berg, W S18-3  
 van de Pluijm, I T10-2A  
 van de Sand, MF T19-8A  
 van der Heijden, M T18-4B  
 van Dooren, T T11-15C  
 van Hemmen, JL T17-5A  
 van Huffel, L T10-1C  
 van Leeuwen, C T26-14C  
 van Leuven, F T11-15C  
 van Ooyen, A T2-3B  
 van Rossum, D T12-4A  
 van Stegen, B T7-15A  
 van Wijk, E T15-13B, T15-12C  
 Vangoor, VR T9-9C, T8-11A,  
 T9-5A, T11-12C  
 Varoqueaux, F T3-1C  
 Vasileva, M T7-8C  
 Vater, M T18-17A, T18-9B  
 Veenman, L T6-1C  
 Veh, RW T4-1A, T4-4B, T23-5B,  
 T23-6B, T23-13B, T24-9B,  
 T24-7C, T27-10C  
 Veitinger, S T19-11B  
 Vekhova, EE T19-7C  
 Velanac, V T9-2A  
 Velarde, MG T25-12B  
 Venkataramani, V T12-9C  
 Verhage, M T7-9A  
 Verlinden, H T25-2A  
 Vetter, JM T15-16A, T15-15C  
 Vezér, T T11-11B  
 Vezzali, R T1-3A  
 Vezzani, A T11-16A  
 Victor, MB T11-11C, T11-9C  
 Vida, I T5-1A  
 Vierk, R T8-6A  
 Vieweg, L T7-3A, T7-11C  
 Vik, A T11-8B  
 Villacorta, JA T25-12B  
 Vincent, A T11-6C  
 Vinnakota, K T12-10B  
 Vitecek, S T19-27B  
 Vlachos, A T8-10C  
 Vogel, T T1-3A, T1-12C  
 Vogel, M T19-22B  
 Vogelaar, CF T3-5B  
 Vogelgesang, S T5-1C, T10-2C  
 Vogler, S T27-8A

Vogt, K T25-8A  
 Vogt, G S21-6  
 Vogt, M T22-1B  
 Vogt, MA T13-6A, T13-4B  
 Voigt, C T12-5A  
 Voigt, N T15-10A  
 Voigt, A T19-13A, T19-28C  
 Voigt, T T23-11C  
 Volders<sup>1</sup>, K T25-4C  
 Volgushev, M T26-16C,  
 T23-12B, T26-7B  
 Volkmer, H T7-12A, T7-3C  
 Volkmandt, W T7-1B, T11-7B  
 Vollbach, M T19-26C  
 Vollmar, S T22-2C  
 Vollmar, P T12-8C  
 Vollmayr, AN T17-5A  
 von Arnim, CA T11-23A,  
 T11-24B, T11-7A  
 von Bohlen und Halbach,  
 O T1-10A, T13-3B  
 von Campenhausen, M  
 T18-6B  
 von der Behrens, W T18-14C,  
 T18-15C  
 von der Emde, G T17-4C,  
 T21-13B  
 von Einem, B T11-23A,  
 T11-24B, T11-7A  
 von Elverfeldt, D T11-6B  
 von Heimendahl, M T25-6C,  
 T26-8B  
 von Holst, A T1-11B, T1-9C  
 von Kameke, A T25-18B  
 von Staden, E T9-8B, T9-9C  
 von Twickel, A T21-3B  
 von Uckermann, G T16-6C  
 Vonderschen, K T18-12B  
 Voolstra, O T14-5C  
 Voronezhskaya, EE T19-7C  
 Voss, M S20-2  
 Voss, J T16-9B  
 Voß, C T17-6A, T18-6C  
 Voß, E T12-1C  
 Voss, E T12-10A  
 Voss, C T3-2B

## W

Wabnig, S S21-4  
 Wachtler, T S10-4, T14-3B,  
 T16-9C, T27-10B  
 Wagner, N T7-12C  
 Wagner, H T6-4C, T6-5C,  
 S14-3, T18-6B, T18-12B,  
 T18-15B, T18-4C  
 Wagner, F T23-13B  
 Wahane, SD T1-12C  
 Waiblinger, C T20-6A  
 Wakakuwa, M T14-4B

- Walker, F** T20-1A  
**Walkowiak, W** T18-13C, T23-12A, T27-5A  
**Wall, M** T4-1C  
**Wallrabenstein, I** T19-27C  
**Walter, S** T3-4C  
**Walter, B** T12-5A  
**Walter, S** T11-7B  
**Walter, J** T11-25A, T11-26C  
**Waltereit, R** T13-3B  
**Walz, H** T1-8A, S4-6, T17-1A  
**Walz, B** S20-2  
**Wälzlein, J-H** S1-5  
**Wang, X** T3-5A  
**Wang, H** T8-1B  
**Wang, X** T18-19A  
**Wang, Z** S17-3  
**Wang, H** T20-7C  
**Wanger, T** T23-13C, T27-9C  
**Wanner, G** T23-18A  
**Warden, MR** T25-23B  
**Wasmer, B** T2-2B  
**Watanabe, S** T15-2C  
**Weber, M** T6-3A, S14-6  
**Weber, M** T9-3B  
**Weege, B** T9-9B  
**Wegener, C** T4-3C, S20-3, T23-17B, T25-23A  
**Wegener, D** T16-2A, T24-12B  
**Wegener, S** T25-11A  
**Wegner, C** T12-12A  
**Wehner, R** T14-3C, T19-24B, T19-3C, T20-8B  
**Wehrenberg, U** T11-2A  
**Wehr, H** S3-5  
**Wei, H** T6-7B  
**Wei, T** T15-5B  
**Weichert, A** T11-4C  
**Weigel, S** T15-8C  
**Weigenand, A** T26-12C  
**Weih, F** T12-2B, T15-1C  
**Weiler, R** T15-9A, T15-1B, T15-6B, T15-12B, T15-3C, T15-4C, T15-7C, T15-16C  
**Weiler, E** T19-27A  
**Weinhold, B** T1-1A, T2-8B  
**Weinrich, N** T3-2B  
**Weise, C** T12-4B  
**Weishaupt, J** S18-5  
**Weishaupt, A** T11-4A  
**Weiss, J** T19-20C  
**Weiß, T** T21-1A, T24-7C  
**Weissinger, F** T23-1C  
**Weizman, A** T6-1C  
**Weller, J** T9-3C  
**Wellmann, CR** T23-8B  
**Wellner, B** T21-4A  
**Wellner, A** T21-4A  
**Wells, DG** S13-4  
**Wen, S** T19-7A  
**Wend, P** S1-5, S1-4  
**Wengel, S** T6-9B  
**Wennemuth, G** T9-1A  
**Wenzler, N** T19-3C  
**Werckenthin, A** T23-11A  
**Werner, H** S23-6  
**Werner, S** T1-10A  
**Werner, HB** T2-3C  
**Werner, M** T6-9A, T19-29A  
**Werner, C** T11-1B  
**Wernet, P** T3-1B  
**Werthat, F** T8-8C  
**Werthschützky, R** T27-6A  
**Wertz, A** T14-5B, T14-6B  
**Wesemann, M** T11-10C  
**Wessel, R** T15-8C  
**Westendorff, S** T21-14A  
**Wetzel, W** T18-12A, T25-15B  
**Wetzel, A** T6-3C  
**Wetzel, CH** T6-10A, T6-4B  
**Weydt, P** T12-3C  
**Weyhersmüller, A** T7-12C, T25-11A  
**Wicher, D** T19-6B, T19-14C  
**Wichert, SP** T23-10A, T2-7B, T27-4A  
**Wichmann, F** T16-2C  
**Wicke, K** T6-2C  
**Wicklein, M** T14-5A  
**Widmayer, P** T22-2A, T22-4B, T22-3C  
**Wiebelt, B** T27-11B  
**Wiecki, T** T16-2C  
**Wiegrebe, L** T18-11A, T18-10C, T18-12C  
**Wiek, RJ** T21-9C  
**Wierenga, CJ** T8-3A  
**Wiescholleck, V** T13-1C  
**Wiese, S** T1-3C, T21-2B, T21-2C  
**Wiese, S** T6-4A  
**Wieser, G** T9-9B  
**Wieser, MJ** T24-7A  
**Wiesner, B** T27-6B  
**Wilkars, W** T2-1A, T6-7C  
**Wilke, R** T12-2B  
**Wilke, M** T16-3A  
**Wilke, C** T26-1A  
**Will, T** S13-1  
**Willecke, K** T15-1B, T15-4C  
**Willem, M** T9-2A  
**Williams, T** T1-10C  
**Willmore, BD** T18-18B  
**Wilms, CD** T21-2A  
**Wimmer, EA** T19-5A  
**Wink, E** T12-8B  
**Winkelmann, A** T23-7C  
**Winkels, R** T8-10C  
**Winkler, J** S7-1, T11-9A, T11-23B  
**Winner, B** S7-5, T11-23B  
**Winnig, M** T1-6C  
**Winnubst, J** T2-2A



**Winterer, J** T7-5C  
**Wintersteller, S** T12-3B  
**Winzenborg, I** T26-9C  
**Wirth, MJ** T6-4C, T6-5C  
**Wirths, O** T11-25A, T11-3C,  
 T11-22C, T12-9C  
**Wirtsohn, S** T21-8B, T21-9B  
**Wirxel, B** T26-1A  
**Wisden, W** T25-13C  
**Wissel, K** T12-1C  
**Wissinger, B** T15-5B  
**Wiswede, D** T10-3B  
**Witan, H** T11-4C  
**Witke, W** T7-6B, T8-7B, T9-4C  
**Witt, M** T11-5B  
**Witt, A** T26-15A  
**Witte, OW** T1-10B, T4-4A,  
 T11-17B, T15-1C, T25-16B  
**Wittenberg, M** T16-9C  
**Wittenmayer, N** T7-8B  
**Witting, A** T12-3C  
**Wittlinger, M** T20-2C, T21-8A  
**Wittmann, M** T19-1C  
**Wittnam, J** T11-3C  
**Wobst, H** T27-4C  
**Wöhr, M** T13-7B, T13-3C,  
 T13-7C, S23-2, T25-12A  
**Wörgötter, F** S4-1, T23-2B,  
 T25-1B, T26-10A  
**Wörndl, K** T12-10C  
**Wolber, W** T1-8B  
**Wolburg, H** T9-6A, T9-1B  
**Wolburg-Buchholz, K** T9-1B  
**Woldeit, ML** T18-5A, T27-5B  
**Wolf, H** T14-9A, T20-2C,  
 T21-8A, T23-11B, T25-19A  
**Wolf, M** T7-6B, T27-8C  
**Wolf, F** T6-8C, T6-9C, T26-7A,  
 T26-14A, T26-15A, T26-7B,  
 T26-7C, T26-16C  
**Wolfart, J** S12-6  
**Wolfe, A** T22-5A  
**Wolff von Gudenberg, A**  
 T21-5C  
**Wolfum, U** T11-22B, T15-16A,  
 T15-10B, T15-13B, T15-11C,  
 T15-12C, T15-14C, T15-15C  
**Wollersheim, S** T12-8A  
**Wolynski, B** T16-10A  
**Wong, RO** T2-3A  
**Wood, P** S21-1  
**Wood, JN** T19-20C  
**Woolf, C** T20-1C  
**Wosnitza, A** T14-4C  
**Wotjak, CT** S5-2  
**Wouters, F** T11-1A, T11-17C  
**Wree, A** T3-1A, T11-5B, T26-3C  
**Wright, J** S24-PR  
**Wu, W** T26-5C  
**Wu, J-Y** T23-15A

**Wulczyn, FG** T1-5C, T1-7B  
**Wulff, P** T25-13C  
**Wullmann, M** T19-21A  
**Wultsch, T** T11-4A  
**Wunder, A** S3-2  
**Wurst, W** T11-12B  
**Wüstenhagen, M** T20-3A  
**Wyneken, U** T9-6C

## X

**Xiao, ZC** T8-9B  
**Xiao, L** T2-7A  
**Xiao, M-F** S19-1  
**Xie, L** T24-7B  
**Xiong, H** T17-1B

## Y

**Yamaguchi, H** T11-21A  
**Yan, K** T2-7B, T3-2A  
**Yan, L** T7-16B  
**Yanai, J** T1-13C  
**Yang, R-B** T19-23C  
**Yarali, A** T25-15A, T25-20B  
**Yassin, L** T18-10A, T23-18B  
**Ye, F** T16-3A  
**Ye, J** T6-3A, T6-2B, S14-6  
**Yee, N** T13-7B  
**Yeritsyan, N** T16-11C  
**Yizhar, O** S21-5  
**Yonemasu, T** T2-7B, T3-2A  
**Young, BA** T15-12A  
**Yuan, C-W** T26-8A  
**Yurchenko, OV** T19-7C

## Z

**Zaepf, B** T25-15C  
**Zagrebelsky, M** T7-11B,  
 T8-3C, T25-10A, T25-17B  
**Zahm, DS** T21-1A  
**Zampini, V** T17-1B, T17-7B  
**Zappe, M** T27-5B, T27-9C  
**Zarubin, D** T6-8A  
**Zavada, A** T19-2C  
**Zeck, G** T15-11A  
**Zedler, M** T24-13A, T24-6C  
**Zee, MJ** T21-6B  
**Zeghib, A** T23-8A  
**Zeh, RM** T11-12B  
**Zehl, L** T27-5A  
**Zeno, S** T6-1C  
**Zentel, R** T21-12B  
**Zentner, J** T10-1B  
**Zerr, I** T11-7C, T25-5B  
**Zhang, C** T18-17C  
**Zhang, J** T9-9C  
**Zhang, M** T2-7B



**Zhang, W** T2-7B, T22-3A  
**Zhang, M** T22-3A  
**Zhao, S** T2-8A  
**Zhao, X** S1-3  
**Zheng, K** T9-5C  
**Zhivkov, Z** T17-10B  
**Zhou, X** T12-2C  
**Zhou, L** T2-1A, T8-6A  
**Zhuchkova, E** T6-8A  
**Zhuchkova, EA** T23-6A  
**Ziegler, B** T3-5B  
**Ziegler, A** T7-7A  
**Ziegler-Himmelreich, S**  
T6-12B  
**Ziehm, U** T6-2A, T17-10B  
**Zielke, S** T6-10A  
**Zimmer, G** T1-9A, T16-8A  
**Zimmer, A** T10-4C, T11-26C,  
T12-6A, T13-2B, T20-5C, T20-6C  
**Zimmermann, A-M** T7-6B,  
T8-7B  
**Zimmermann, H** T1-6B  
**Zito, T** T27-10B  
**Zitranski, N** T7-3A, T7-11C  
**Zohar, M** T7-10A  
**Zoidl, G** T6-9B, T7-4B, T8-4C  
**Zrenner, E** T15-4B, T15-7B  
**Zuccotti, A** T17-6B, T18-7C  
**Zufall, F** T1-1B, S8-2, T19-5B,  
T19-20C  
**Zweckstetter, M** S18-2  
**Zylla, MM** T23-5C



## Keyword Index

The numbers behind the keywords refer to the numbers of the oral or poster presentations, but not to page numbers in this program booklet.

- AGGREGATION** S6-4, S18-1, S18-2, S18-5, S18-4, S24-1, T11-1A, T11-9A, T11-21A, T11-10B, T11-20B, T11-17C
- ALZHEIMER'S DISEASE** S3-5, S18-3, S24-3, T11-5A, T11-7A, T11-20A, T11-21A, T11-22A, T11-23A, T11-25A, T11-26A, T11-2B, T11-3B, T11-18B, T11-24B, T11-3C, T11-15C, T11-17C, T11-20C, T11-22C, T11-26C, T12-1A
- AMYGDALA** S 5-1, S5-6, S23-5, T4-1B, T4-2B, T5-2B, T8-6B, T8-11C, T24-2B, T25-18A, T26-3C
- AMYLOID** T11-21A, T11-4B, T11-3C, T11-15C, T11-22C
- AMYLOID PRECURSOR PROTEIN** T11-21A, T11-4B, T11-3C, T11-15C, T11-22C
- AMYOTROPHIC LATERAL SCLEROSIS** 15C, T11-22C
- ANDROGEN** T8-7A
- ANESTHESIA** T17-6A, T23-5A
- ANIMAL MODEL** S5-4, S6-4, S13-2, S23-6, S23-3, S23-4, S24-3, T1-2A, T3-1A, T3-4C, T5-2A, T6-5B, T11-25A, T11-12B, T11-14B, T11-21B, T11-3C, T11-16C, T12-5A, T12-4B, T12-6C, T16-11C, T17-4B, T18-1B, T18-1C, T24-6A, T24-1C, T25-22A
- ANTEROGRADE** T18-4A
- ANTIBODY** T1-6A, T2-10A, T4-4B, T7-11C, T11-25A, T15-3C
- ANTIDEPRESSANT** T9-6C, T13-2B, T13-4C, T13-8C
- ANTIPSYCHOTIC** T21-12B
- ANXIETY** S5-3, S5-2, S11-2, S11-3, S11-1, S11-5, S17-2, S23-6, S23-4, T5-2B, T13-7B, T24-1A, T24-7A, T25-5B
- ANXIOLYTIC** T4-2B
- APOLIPOPROTEINE** T11-15C
- APOPTOSIS** T1-7A, T2-8B, T12-7A, T12-10A, T12-7B, T12-5C, T15-13C
- APP** T11-7A, T11-23A, T11-24B
- AROUSAL** T24-3C
- ASSOCIATIVE LEARNING** T25-16C
- ASTROCYTE** S13-4, T1-3C, T8-7A, T9-6B, T9-7B, T9-8B, T9-1C, T9-3C, T9-5C, T9-9C, T11-9C, T12-3A
- ASTROGLIA** S7-4, T6-6A, T9-9A, T9-1B, T9-3B, T9-7C
- ATP** T1-6B, T1-2C, T6-4A, T11-12B, T20-7C
- ATTENTION** T13-7A, T13-2C, T24-2A, T24-3A, T24-4A, T24-7A, T24-10A, T24-3B, T24-12B, T24-13B, T24-2C, T24-9C, T24-14C, T26-12B
- AUDITORY** S14-6, S14-1, S14-3, S21-6, T2-7A, T6-10B, T6-4C, T6-5C, T7-2B, T7-15B, T7-10C, T17-2A, T17-3A, T17-4A, T17-6A, T17-9A, T17-3B, T17-9B, T17-1C, T17-2C, T17-5C, T17-7C, T17-8C, T17-10C, T18-1A, T18-2A, T18-8A, T18-9A, T18-10A, T18-11A, T18-12A, T18-14A, T18-15A, T18-17A, T18-18A, T18-19A, T18-2B, T18-4B, T18-8B, T18-12B, T18-13B, T18-3C, T18-4C, T18-9C, T18-10C, T18-11C, T18-16C, T18-17C, T18-18C, T21-5B, T23-7A, T23-10B, T24-5A, T24-4B, T24-6C
- AUDITORY CORTEX** S22-1, T18-3A, T18-4A, T18-13A, T18-16A, T18-3B, T18-7B, T18-9B, T18-10B, T18-11B, T18-15B, T18-16B, T18-2C, T18-6C, T18-8C, T18-12C, T18-14C, T26-3A
- AUTISM** S17-5, S23-2, S23-1, T13-5A, T13-1B, T13-3C, T25-12A
- AUTOIMMUNITY** T11-4A, T11-1B
- AUTORADIOGRAPHY** T12-5A
- AUTORECEPTOR** T5-2C
- AVIAN** T13-6B, T15-8C, T25-2B
- AVOIDANCE** S23-6, T25-9A, T25-10B, T25-16C
- AXON** S10-2, T2-5A, T3-5B, T6-11B, T6-3C, T7-13B, T15-11A
- AXON GUIDANCE** Sat-3, T2-7B, T2-8B, T21-2B
- AXOTOMY** T3-2C

## B

- BARREL** S16-4, S16-6, T7-5A, T8-2B, T20-3B, T20-4C, T23-1A
- BARRIER** T3-4B
- BASAL GANGLIA** T11-8A, T11-13A, T11-5B, T11-1C, T13-6B, T24-7C, T25-8B



- BDNF** T7-5B, T7-9C, T8-1A, T8-8A, T8-6B, T8-1C, T8-9C, T11-20C, T13-2A, T25-18A, T25-21A
- BEHAVIOR** S3-3, S3-1, S4-4, S17-3, S20-6, S23-2, S23-3, T1-4B, T12-7C, T13-3A, T13-4A, T13-6A, T13-8B, T13-3C, T13-5C, T13-6C, T14-1A, T14-5B, T14-3C, T15-14B, T18-18B, T18-9C, T18-17C, T19-5A, T19-24A, T19-5B, T19-16B, T19-20B, T19-3C, T20-3A, T20-10A, T21-3C, T21-8C, T23-3C, T24-5A, T24-12B, T25-4A, T25-5A, T25-7A, T25-12A, T25-17A, T25-19A, T25-20A, T25-25A, T25-5B, T25-15B, T25-3C, T25-6C, T25-9C, T25-17C, T26-4B, T27-1A, T27-5B
- BEHAVIOUR** S20-4
- BENZOTHAZOLES** S6-6
- BETA AMYLOID** T6-2C, T11-18B
- BINDING** T4-6C, T7-4A, T24-9A, T27-4C
- BIOGENIC AMINE** S20-6, T19-15B, T19-21C, T21-7A, T21-9A, T23-3B, T23-17B, T25-23A
- BIRD** S14-3, T17-5B, T18-4C, T25-10C
- BIRDSONG** T18-7A
- BLOOD-BRAIN BARRIER** S12-5, T9-1B, T13-4C, T21-12B
- BRAIN** S10-3, S11-2, T2-10A, T3-1C, T7-10B, T12-11A, T14-2A, T14-6A, T15-6C, T19-4A, T19-21B, T25-11B, T27-6A, T27-7B, T27-5C
- BRAIN IMAGING** S9-1, S10-3, T10-2B, T11-23C, T19-6A, T27-6C
- BRAIN INJURY** T11-24A, T11-8B
- BRAIN SLICE** T27-3C
- BRAINSTEM** S14-5, T7-10C, T15-3B, T18-8A, T27-5A
- BURST** T26-7A, T26-12C
- T14-1C, T16-9A, T19-7A, T19-9A, T19-11A, T19-14A, T19-1B, T19-7B, T19-4C, T19-6C, T19-10C, T19-14C, T19-30C, T21-2A, T21-9C, T22-1B, T26-11C, T27-2C
- CALLOSUM** T2-7B
- CALMODULIN** S19-1
- CAM** S19-3, T2-9C, T27-4C
- CAMP** T13-1C, T19-3A, T19-8B, T25-4C, T25-5C, T25-18C
- CANNABINOID** S5-5, S5-4, S5-2, T10-4C, T12-6A, T13-4A, T19-18A, T20-6C
- CAPSAICIN** S1-5
- CASPASE-3** T10-4C
- CAT** T23-12B
- CATECHOLAMINES** T7-9A
- CELL CULTURE** T1-3B, T11-18A, T15-13C, T17-4B, T27-8A, T27-8B
- CELL DEATH** S15-7, S24-PR, T3-2A, T3-3A, T11-2C, T15-1A, T15-9A
- CENTRAL PATTERN GENERATOR** S4-1, T23-13A, T23-2B, T23-3B, T23-8B, T23-11B, T23-2C, T23-18C
- CEREBELLUM** T2-9B, T6-6B, T8-2C, T9-2B, T9-2C, T9-4C, T11-1B, T21-2A
- CEREBRAL BLOOD FLOW** S3-3, T26-4A, T27-5B
- CEREBRAL CORTEX** T7-14A
- CEREBRAL ISCHEMIA** S3-6
- C-FOS** T13-7C, T17-5C, T20-5C
- CHANNEL** S8-5, T23-6B
- CHEMOKINE** T4-7C, T11-26C
- CHEMORECEPTOR** S8-5, T19-9A, T19-15A, T19-20A, T19-4B, T22-2A, T22-4B, T22-3C
- CHLORIDE** S22-4, T6-3A, T6-12A, T6-1B, T6-2B, T6-4C, T6-5C, T19-19A, T19-19C
- CHOLINERGIC** T15-8B
- CHROMAFFIN** T4-5A, T7-9A
- CIRCADIAN RHYTHM** T4-4C, T5-2C, T6-7B, T13-2B, T19-21C, T22-4C, T23-10A, T23-11A, T23-15B
- CLASSICAL CONDITIONING** T25-20A
- CNS** T11-7B, T18-1A
- COCHLEA** S21-6, T17-7A, T17-1B, T17-4B, T17-6B, T17-7B
- CODING** S4-6, S10-4, T1-8A, T15-4A, T15-7A, T15-15B, T15-9C, T16-10C, T17-1A, T18-11C, T19-22B, T26-14B, T26-7B, T26-9C, T26-15C
- COGNITION** S11-4, T13-6B, T13-2C, T24-11A, T24-13A, T24-11B, T24-1C, T24-3C, T24-8C, T27-7C

## C

- CA1** T25-3A, T26-6B
- CA3** T7-14B, T8-5B, T23-3A, T25-3A
- CAFFEINE** T4-2C
- CALCIUM** S8-5, T6-7A, T6-12C, T7-1A, T7-3A, T7-4A, T7-2C, T7-11C, T7-15C, T9-3A, T11-17A, T15-5B, T19-11B
- CALCIUM CHANNEL** S12-4, S14-2, T6-8B, T6-10B, T11-12A, T15-2B, T17-6B, T18-14A, T18-13B
- CALCIUM CURRENT** T6-7B
- CALCIUM IMAGING** S16-3, T1-1B, T2-5B, T4-4A, T6-7B, T6-12B, T6-3C, T8-7A, T9-6B, T9-7C,

**COGNITIVE** T24-6A  
**COHERENCE** T17-1C, T21-10B, T23-8A, T23-14A, T26-13A, T26-1B, T26-6C  
**COMPUTER** T26-5A, T26-6A, T26-13C, T27-10A, T27-11A, T27-9B, T27-10B, T27-11B  
**CONDITIONING** T19-2B, T24-2B, T25-11A  
**CONFOCAL MICROSCOPY** T19-9C, T20-4A  
**CONNECTION** S10-2, T26-15A  
**CONSOLIDATION** P8  
**CONTEXT** T24-5B  
**CONTROL** T14-4A, T27-11A  
**CORTEX** S16-4, S16-6, S16-1, T1-1A, T1-4A, T1-11A, T1-7B, T1-9C, T3-2A, T4-4A, T4-5C, T18-17A, T18-5B, T20-3B, T20-4C, T26-8A, T26-1B, T26-14C, T26-15C  
**CORTICAL PLASTICITY** S22-1, T21-11B  
**CORTICOSTERONE** T11-26B, T13-4C  
**CPG** T21-6A, T23-7C  
**CREB** T11-17A, T25-24B  
**CRUSTACEA** T19-26A, T19-13C, T19-25C  
**CULTURE** T3-4A, T7-8B, T8-9A, T27-11C  
**CURRENT** T6-1B, T6-9B  
**CYCLIC AMP** T19-15B  
**CYCLIC GMP** S15-7, T2-6C, T17-10A  
**CYTOARCHITECTURE** T27-5C  
**CYTOCHROME OXIDASE** T26-8B  
**CYTOKINE** T3-5A, T12-8A, T12-8B  
**CYTOSKELETON** T2-8A, T2-6B, T2-2C, T2-4C, T7-6B, T8-7B, T8-5C, T15-8A, T15-13B

## D

**DEAFFERENTATION** T2-3B, T8-10C, T18-3A, T18-14B  
**DEEP BRAIN STIMULATION** T11-1C, T11-5C, T21-3A  
**DEGENERATION** T1-13C, T10-1C, T11-3A, T11-5A, T15-9A, T15-11A, T15-4C, T15-14C, T17-2A  
**DELAYED RESPONSE** T23-15C  
**DEMYELINATION** T6-6C, T12-12A, T12-1C

**DENDRITE** S13-1, T2-1B, T2-2C, T7-10A, T7-17A, T8-5C, T11-6A, T14-1C, T24-1B, T25-10A, T25-17B, T26-10C  
**DENTATE GYRUS** S7-6, T8-10C, T10-4A, T13-3B, T23-1C, T23-5C  
**DEPOLARIZATION** T6-11B  
**DEPRESSION** T11-5C, T13-2A, T13-6A, T13-4B, T13-7B, T13-8C  
**DESENSITIZATION** T6-10C  
**DEVELOPMENT** S14-4, S14-1, S22-5, S22-3, S22-2, S23-4, T1-3A, T1-11A, T1-12A, T1-7B, T1-10B, T1-3C, T1-5C, T1-7C, T1-8C, T1-12C, T1-13C, T2-2A, T2-6A, T2-9A, T2-1B, T2-9B, T3-3A, T5-3A, T7-2C, T9-4C, T10-4A, T11-19A, T13-7A, T15-10B, T16-8A, T16-6C, T17-1B, T17-7B, T18-15A, T18-13B, T18-10C, T19-7C, T22-5A, T23-16A, T23-11C, T23-14C, T23-17C, T25-1B, T25-25B, T26-7B  
**DIFFERENTIATION** S15-5, T1-5A, T1-2B, T1-5B, T1-9B, T1-12B, T1-10C, T4-5B, T14-2C  
**DIRECTIONAL** T15-8B, T18-18B  
**DISCRIMINATION** T19-16B, T20-6A, T20-9C, T21-13B, T25-17A, T27-4B  
**DOPAMINE** S17-3, T11-10A, T18-16A, T24-11A, T24-8B, T24-8C, T25-13A, T25-15B, T27-3A  
**DOPAMINE RECEPTOR** T5-2C, T8-10A, T16-7A  
**DOPAMINERGIC** T3-1C, T4-7C, T11-19A, T11-10C, T11-14C, T27-3C  
**DORSAL ROOT GANGLION** T1-10C, T3-3B, T20-2A, T20-6B  
**DRG** T20-5C  
**DROSOPHILA** S2-6, S4-4, S8-4, S15-3, S24-PR, T2-6A, T9-4B, T10-1C, T11-6C, T14-3B, T17-2A, T17-2B, T19-3A, T19-19B, T19-1C, T19-4C, T19-16C, T19-26C, T19-30C, T20-7A, T20-10A, T21-9C, T22-4C, T23-17B, T25-6A, T25-8A, T25-11A, T25-14A, T25-15A, T25-23A, T25-25A, T25-4B, T25-11B, T25-12B, T25-19B, T25-20B, T25-3C, T25-4C, T25-5C, T25-15C, T25-17C  
**DRUG** T3-3C  
**DYSKINESIA** T5-2A, T21-3A



## E

**EDUCATION** T27-10B  
**EEG** T10-3B, T11-12C, T12-7C, T20-3C, T24-7A, T24-9A, T24-4C, T26-5B, T27-7C  
**ELECTRICAL STIMULATION** T15-10A, T18-3A, T18-12A, T18-16A, T18-5B, T21-10A, T21-11B, T23-1B, T26-12C  
**ELECTRON MICROSCOPY** S21-4, T7-8B, T7-14B, T17-10C, T23-18A, T27-10C  
**ELECTROPHYSIOLOGY** S21-4, T1-8B, T4-2A, T4-1B, T6-4A, T6-5A, T6-6A, T6-9B, T7-14A, T7-4C, T7-14C, T13-3A, T13-6C, T14-6B, T14-8C, T15-2A, T15-7A, T15-14A, T15-5C, T16-5A, T17-8A, T17-5B, T17-4C, T18-11A, T18-3B, T18-7B, T18-5C, T18-8C, T18-12C, T18-14C, T18-17C, T19-1A, T19-17A, T19-25B, T19-27B, T19-12C, T19-24C, T20-1A, T21-7A, T21-13B, T21-6C, T22-4A, T25-13B, T26-2B, T26-8B, T27-2A, T27-10A, T27-10B  
**EMBRYO** T27-3A  
**EMG** T21-5A, T21-11A, T26-11A, T26-8C  
**EMOTION** S11-4, S23-1, T24-10A, T24-12A, T24-4B, T24-5B, T24-11C, T24-12C, T24-13C  
**ENDOCRINE** T22-3B  
**ENDOCYTOSIS** Sat-6, T2-9C, T7-15A, T7-7C, T14-1B  
**ENDOPLASMIC RETICULUM** S1-5  
**ENDOTHELIAL** T22-1A  
**ENERGY METABOLISM** T9-1A, T9-2B, T19-18A, T22-4A, T26-4A, T26-15B  
**ENTERIC** T2-6C, T11-20A, T12-8B, T16-10B, T20-9A  
**ENTORHINAL** T23-16A, T25-22B, T26-15C  
**EPILEPSY** S12-2, S12-6, S12-4, S12-5, S12-3, T4-2C, T6-5B, T6-11C, T9-4A, T9-5A, T9-9C, T10-1B, T11-8A, T11-16A, T11-9B, T11-26B, T11-12C, T11-13C, T11-25C, T12-4C, T23-15A, T23-4B, T23-1C, T23-10C  
**EPSC** T11-2B  
**ERP** T16-6A, T18-2B, T24-8A, T27-7C  
**ESTROGEN** T2-1A, T2-2B, T8-6A, T11-2A

**ESTROUS CYCLE** T18-11B, T18-2C  
**ETHANOL** T19-26C, T27-3B  
**EVOKED POTENTIALS** T10-3B, T17-8C, T18-5A, T18-14C, T21-11B, T23-12A, T24-10A, T24-4C, T24-13C  
**EVOLUTION** S8-6, S17-1, T16-8A, T17-8B, T17-3C, T19-6A, T19-10A, T19-12A, T19-23B, T19-13C, T19-25C, T20-1A, T21-3C  
**EXCITABILITY** T6-1B, T6-6B, T6-8C, T6-9C, T7-11A, T8-2A, T21-5C  
**EXOCYTOSIS** S14-2, T4-5A, T7-3A, T7-9A, T7-11C  
**EXTINCTION** T25-21A, T25-22A, T25-20C, T25-23C  
**EXTRACELLULAR** T7-5A, T10-3A, T21-4A, T25-4A, T26-2B  
**EXTRACELLULAR MATRIX** T1-11B, T1-3C, T7-6A, T7-3B, T8-12A, T8-11B, T8-12C, T12-9B, T12-10B, T18-9A, T18-14B, T21-2B  
**EXTRASTRIATE CORTEX** T16-3C, T24-13B  
**EYE** T15-12A, T15-11C, T24-3C  
**EYE MOVEMENT** T15-3B, T15-14B, T15-15B, T16-4B, T16-8B

## F

**FACIAL** T16-5C  
**FATTY ACID** T11-11A  
**FEAR** S5-6, S11-4, T25-7B, T25-21C  
**FEAR CONDITIONING** S5-1, S5-5, S5-2, S11-1, S19-5, T25-18A, T25-21A, T25-22A  
**FEEDBACK** T2-3A, T19-8A, T26-13A  
**FEVER** T22-1A  
**FLUORESCENCE** T4-3B, T7-12B, T27-10C  
**FMRI** S9-3, T15-3B, T16-4A, T20-4B, T24-13A, T24-4B, T24-6C, T26-4A  
**FOREBRAIN** T21-10C  
**FREQUENCY** S21-1, T18-6B, T18-15B  
**FRONTAL CORTEX** T24-7B  
**FRONTAL LOBE** T21-6C  
**FRUIT FLY** T17-3A  
**FUNCTIONAL MRI** S9-5, S9-4, S9-1, S11-5, S17-5, T13-1A, T16-10A, T21-12A, T24-5A

**G**

**G PROTEIN** T6-4B, T19-3B  
**GABA** S12-3, S22-4, S22-3, T23-9A, T25-13C  
**GABA RECEPTOR** T4-4A, T5-1A, T5-1B, T6-11A, T9-7A, T15-8B  
**GABAERGIC** S16-1, T2-3A, T4-6B, T8-2A, T8-3A, T8-6C, T12-6A, T23-13B, T25-10A  
**GAD** T11-4A, T11-1B  
**GAMMA** T24-4A, T24-9A  
**GAP JUNCTION** S13-5, T1-3B, T9-8B, T15-1B, T15-6B, T15-12B, T15-16C  
**GASTROINTESTINAL** T22-2A, T22-4B, T22-3C  
**GATING** T6-12C, T18-5A  
**GDNF** T11-25B  
**GENDER** T11-6B, T24-11C  
**GENE EXPRESSION** S15-2, T1-11A, T1-9B, T10-1B, T12-2C, T19-21A, T19-29B, T23-11A, T27-9A  
**GENE REGULATION** S8-3, S19-1, T1-4A, T1-9C, T2-7B, T9-9A, T10-2C, T19-18C, T25-5A  
**GENE THERAPY** T11-22B, T15-14C  
**GENETICS** S5-3, S11-5, T1-11C, T10-1C, T16-7A, T19-27C  
**GLIA** T1-12A, T8-7C, T9-3A, T9-7A, T9-8A, T9-4B, T9-5B, T9-6C, T9-8C, T11-14A, T12-6B, T12-4C  
**GLIOMA** S1-1, S1-3, T1-1C, T9-1B, T12-11A, T12-10B, T12-11B  
**GLIOMA, NEURAL STEM CELLS** S1-5, S1-4  
**GLOMERULUS** T19-24B, T19-30B, T19-5C, T19-9C  
**GLUCOCORTICOID** T3-3A, T13-6A, T13-4B  
**GLUCOSE** T9-1C, T25-19C  
**GLUTAMATE** T4-6B, T6-1C, T7-16C  
**GLUTAMATE RECEPTOR** S19-5, T4-6C, T6-6C, T6-10C, T7-1A, T8-10C, T9-5B, T9-7C  
**GLUTAMATE RELEASE** T12-2A  
**GLYCINE** S14-4, T1-1B, T7-2B, T8-9A, T17-7A  
**GLYCOPROTEIN** T8-3B, T9-9A  
**GNRH** T19-7A  
**GOLGI** T8-4B  
**GPCR** S20-1, T5-3A, T19-13A, T19-28C  
**G-PROTEIN** T6-10A, T13-1B, T19-5B, T19-6B, T19-14C

**GRANULE CELL** T9-4A, T9-9B, T19-22A  
**GROWTH CONE** S6-5, T2-6B, T2-3C  
**GROWTH FACTOR** T1-10A, T3-5B, T9-2A, T11-14A, T11-19A, T12-9C  
**GUIDANCE** T1-9A, T2-4B, T2-3C, T27-8B

**H**

**HABITUATION** T18-15C  
**HAIR CELL** T17-10A, T17-1B, T17-7B  
**HEARING** T16-10C, T17-6A, T17-8A, T17-2B, T18-6A, T18-1B, T18-12B, T18-18B, T18-1C, T18-6C, T18-7C, T27-5A  
**HINDBRAIN** T20-8C  
**HIPPOCAMPAL NEURONS** S21-1, T2-1A, T6-3B, T7-11B, T9-4A, T11-12A, T12-2A, T12-6A, T22-2B, T23-16B, T23-16C, T25-17B  
**HIPPOCAMPUS** S7-3, S12-2, S13-1, S22-6, S23-5, T1-10A, T1-12B, T1-6C, T3-2A, T4-2C, T7-11A, T7-3B, T7-4B, T7-5C, T7-9C, T8-6A, T8-8A, T8-11A, T8-10B, T8-1C, T8-3C, T8-6C, T9-7B, T9-3C, T10-1A, T10-3A, T11-2A, T11-6A, T11-26B, T12-5B, T12-11C, T13-3B, T15-2C, T22-3A, T23-4A, T23-6A, T23-14A, T23-4B, T23-7B, T23-14C, T24-1B, T25-16B, T25-18B, T25-6C, T25-11C, T25-13C, T26-11B, T26-14B, T26-6B, T27-3B  
**HISTAMINE** T7-7A  
**HISTOCHEMISTRY** T15-6B, T19-6A  
**HORMONE** T2-4A, T8-1B, T25-25B  
**HPA AXIS** T13-2B  
**HUMAN** T9-3B, T11-3B, T15-16A, T15-15C, T16-10A, T18-6A, T19-15A, T24-11B, T24-5C, T25-6B, T25-2C, T27-6C  
**HUNTINGTONS DISEASE** S18-4, T11-21B  
**HYPEREXCITABILITY** T11-13C  
**HYPERPOLARIZATION** T23-5B, T26-5C  
**HYPOCRETIN** T22-1C  
**HYPOTHALAMUS** T22-4A  
**HYPOXIA** T12-2A, T12-11C



## I

**ILLUSION** T16-5C  
**IMAGING** S3-3, S3-6, S3-1, S3-2, S3-5, T4-5A, T4-3B, T8-3A, T8-5A, T9-2B, T9-5C, T14-5A, T19-19C, T19-27C, T20-8B, T23-15A, T27-5B, T27-9C  
**IMMEDIATE EARLY GENE** T15-2C, T19-21A, T27-12C  
**IMMUNITY** T12-4A, T12-2B  
**IMMUNOCYTOCHEMISTRY** T4-1A, T18-10B, T19-12A, T20-5B  
**IMMUNOFLUORESCENCE** T7-6A, T12-4B, T15-6A, T18-16C  
**IMMUNOHISTOCHEMISTRY** T1-6A, T4-6A, T12-9B, T15-12B, T16-1B, T19-11C, T20-5A, T27-10C  
**IMMUNOREACTIVITY** T23-15B  
**IN SITU HYBRIDIZATION** T5-1B, T8-12C, T10-1A, T19-20A  
**IN VITRO** T6-3B, T9-8C, T12-8A, T12-6B  
**IN VIVO** S3-2, S19-3, T2-5B, T7-3C, T12-9C, T20-8B, T21-2A, T25-11C, T26-8B, T27-9A  
**INACTIVATION** T19-8A, T20-10A  
**INFERIOR COLLICULUS** S14-6, S14-5, T18-10A, T18-6B, T18-15B, T18-3C, T18-11C  
**INFLAMMATION** T11-22C, T11-26C, T12-1A, T12-3B, T12-6B, T12-2C, T12-4C, T20-6C  
**INFORMATION THEORY** T6-2A, T19-2B, T20-1B, T20-2B, T21-11A, T26-11C  
**INHIBITION** S12-3, S16-5, T3-5B, T6-2B, T15-9B, T16-1A, T18-4B, T20-3B, T23-2A, T23-7B, T23-10B, T23-10C, T27-6B  
**INJURY** T2-5C, T3-5A  
**INSECT** S2-5, S2-1, S2-2, S2-4, S20-1, S20-6, S20-4, T2-9A, T2-4B, T4-6A, T4-3C, T6-9A, T6-12B, T7-10B, T14-1A, T14-2A, T14-6A, T14-7A, T14-4B, T14-6B, T14-8B, T14-3C, T14-4C, T14-7C, T17-4A, T17-5A, T17-8B, T17-3C, T17-9C, T18-9C, T19-2A, T19-4A, T19-8A, T19-30A, T19-31A, T19-7B, T19-9B, T19-10B, T19-13B, T19-14B, T19-17B, T19-18B, T19-24B, T19-25B, T19-26B, T19-27B, T19-28B, T19-29B, T19-29B, T19-2C, T19-3C, T19-5C, T19-9C, T19-10C, T20-4A,

T20-5B, T20-8B, T20-2C, T21-7A, T21-8A, T21-4B, T21-5B, T21-7B, T21-3C, T21-12C, T21-14C, T21-13C, T23-7A, T23-11A, T23-3B, T23-10B, T23-11B, T23-18C, T25-7A, T25-24B, T25-7C, T25-8C, T25-19C, T27-9A, T27-6B, T27-8B  
**INTERLEUKIN** T11-16A  
**INTERNEURON** S19-4, T1-1A, T1-9A, T5-1A, T6-5B, T7-17A, T7-5C, T8-8C, T10-3C, T18-9B, T19-24C, T21-1A, T21-7B, T22-3A, T23-3A, T23-9A, T23-8B, T24-1B, T27-2B  
**INTRACELLULAR** T23-7A, T27-4C  
**INTRACELLULAR CALCIUM** T6-10A, T6-4B, T8-4B  
**INTRACELLULAR RECORDING** T17-7C, T20-8C, T23-12B, T24-7C  
**INTRATHECAL** T3-4B  
**INVERTEBRATE** S15-2, T5-1B, T7-8A, T14-3A, T14-4A, T14-8C, T17-8A, T17-2C, T17-7C, T19-5A, T19-11A, T19-6C, T19-11C, T20-5A, T20-8A, T20-1B, T21-3B, T21-8C, T23-7C, T25-19A, T25-1C  
**ION CHANNEL** S15-3, T1-1C, T6-4A, T6-8A, T6-10A, T6-13A, T6-4B, T6-2C, T6-7C, T12-1A, T14-8A, T14-1B, T14-2B, T14-5C, T17-10A, T26-15B  
**IPSP** T23-12C  
**IRON** T12-9A  
**ISCHEMIA** T12-7C  
**ISOLATION** T13-7C, T27-8C

## K

**KINASE** T7-3A  
**KINEMATICS** T21-12C  
**KINETIC** S3-4, T7-8A  
**KNOCKOUT MICE** T1-4B, T7-6B, T9-1A, T12-2B, T23-16B, T25-7B

## L

**LANGUAGE** T24-4C, T24-13C  
**LATERALIZATION** T18-18C, T25-2B, T25-7C  
**LEARNING** S4-1, T18-12A, T25-1A, T25-15A, T25-16A, T25-17A, T25-14B, T25-12C, T25-22C, T26-2A, T26-3A, T26-10A



**LEARNING AND MEMORY**

S2-6, S5-5, S19-5, T8-11A, T8-12A, T8-3B, T8-7B, T8-11B, T11-18C, T19-16A, T19-10B, T19-19B, T25-7A, T25-8A, T25-9A, T25-11A, T25-13A, T25-14A, T25-19A, T25-23A, T25-24A, T25-4B, T25-5B, T25-10B, T25-13B, T25-15B, T25-20B, T25-25B, T25-1C, T25-8C, T25-15C, T25-16C, T25-18C, T25-19C, T26-8A, T26-9A, T26-11B

**LESION** T7-16B, T11-18C

**LIMBIC SYSTEM** T20-3A

**LIPID** T2-1C, T7-12B

**LIPOPOLYSACCHARIDE** T12-4A

**LITHIUM** T10-4A

**LOCALIZATION** T7-9B, T16-4B, T17-10B

**LOCOMOTION** T9-4B, T16-6C, T21-4B, T21-8C, T21-12C, T26-10A

**LOCOMOTOR ACTIVITY** T27-1C

**LTD** T8-8B

**LTP** S22-6, T8-1A, T8-6A, T8-9A, T8-10A, T8-1B, T8-6B, T8-7B, T8-8B, T8-9B, T8-10B, T8-3C, T8-4C, T8-6C, T8-9C, T8-11C, T13-1C

**M**

**MACAQUE** S10-2, T16-8C, T21-4A, T27-7B, T27-8C

**MACROPHAGE** T12-1B

**MAPPING** S9-6, T16-1C, T16-3C, T18-6C, T25-11B

**MATERNAL** S17-2, T13-4B, T13-5B, T24-7B

**MATING** S2-2, T19-8C

**MATRIX** S19-2, T12-1C

**MECHANOSENSORY** T16-10B, T17-4A, T17-5A, T17-8B, T17-9B, T17-10B, T17-9C, T18-5C, T19-23B, T20-1A, T20-4A, T20-7A, T20-9A, T20-1B, T20-8C, T21-9C, T23-17A

**MELATONIN** T18-7A

**MEMBRANE** T2-1C, T2-2C, T2-4C, T4-5B, T8-5C

**MEMBRANE POTENTIAL** S16-5, T26-5B

**MEMORY** P8, S2-4, T8-9B, T8-12C, T23-5C, T25-5A, T25-20A, T25-25A, T25-6B, T25-12B, T25-23B, T25-24B, T25-2C, T25-4C, T25-5C, T25-7C, T25-20C, T26-4B

**MESENCEPHALIC** T18-1A

**METABOLISM** T12-3C, T22-1B, T22-2C, T27-9C

**METABOTROPIC RECEPTOR** T7-2A

**MICE** S23-3, T18-9A, T20-7C, T23-5A, T24-1A, T25-9A

**MICROARRAY** T2-2B, T17-2B, T19-29A, T19-12B, T27-4A

**MICROGLIA** S18-3, T6-12A, T9-5A, T10-2A, T11-15A, T12-4A, T12-8A, T12-10A, T12-2B, T12-3B, T12-5B, T12-10B, T12-11B, T12-1C, T12-2C, T12-3C, T12-5C, T12-10C

**MICROTUBULE** T2-5A, T15-12C

**MIDBRAIN** T4-7C, T11-15A, T15-6C, T15-8C, T17-4C, T18-13C

**MIGRATION** S13-4, T1-9A, T1-5B, T1-7B, T1-1C, T2-5A, T2-8A, T9-4C, T10-3C, T12-11A

**MITOCHONDRIA** T11-12B, T11-15B, T11-9C, T11-11C, T11-16C, T12-3A, T19-11B, T27-7A

**MK-801** T13-1C

**MODEL** T11-18B, T11-2C, T16-3B, T21-1B, T23-11C, T25-4B, T26-16C, T27-11A

**MODELING** S3-4, S4-2, S10-5, T6-8A, T9-6C, T14-3B, T14-7B, T16-1A, T16-7B, T18-18A, T19-2C, T21-3B, T23-11B, T23-14C, T26-1A, T26-2A, T26-5A, T26-12A, T26-14A, T26-15A, T26-16A, T26-10B, T26-5B, T26-7B, T26-9B, T26-4C, T26-5C, T26-7C, T26-8C, T26-13C, T26-14C, T27-2B, T27-9B, T27-11B

**MODULATION** T6-9A, T6-11A, T18-13C, T19-20B, T23-1A

**MOLLUSK** T2-5C, T19-7C

**MONKEY** T11-16B, T11-23C, T15-9B, T16-2A, T16-3A, T21-8B, T21-6C, T24-3B, T24-12B, T27-6A

**MONOAMINE** S20-5, T4-2B, T4-4B

**MORPHOMETRY** T11-8B, T22-1C

**MOSSY FIBER** S12-2, T7-14A, T8-1A, T8-5B, T26-11B

**MOTION** S4-5, T16-2A, T16-7C, T18-2B

**MOTION PERCEPTION** T13-2C, T14-5B, T14-1C, T14-6C, T24-10B

**MOTIVATION** S23-2, T13-3C, T24-8B

**MOTONEURON** S6-2, T3-4C, T9-8C, T11-10A, T11-4C, T21-5A, T21-2B, T21-6B



**MOTOR** T17-10C  
**MOTOR ACTIVITY** T21-4A, T21-12B, T21-11C, T23-6B  
**MOTOR CONTROL** S4-3, S4-2, S4-1, T14-3A, T14-4C, T21-6A, T21-10A, T21-11A, T21-13A, T21-1C, T21-4C, T21-14C, T23-7C, T26-11A  
**MOTOR CORTEX** S10-1, S21-5, T2-7C, T21-12A, T21-8B, T21-9B, T21-5C  
**MOTOR LEARNING** T21-14A, T21-10C  
**MOTOR NEURON** S6-3, S6-5, T21-5B, T26-8C  
**MOTOR UNIT** T21-5A, T21-10B  
**MOUSE** S16-4, T11-25C, T12-12A, T15-2A, T15-1B, T15-7C, T18-10B, T18-11B, T18-2C, T18-8C, T26-14A  
**MOVEMENT** S4-3, T14-9A, T21-13A  
**MPTP** T11-25B  
**MRI** T11-6B, T11-8B, T15-1C, T27-5C  
**MRNA** S13-3, S13-1, S13-4  
**MULTIELECTRODE** S10-5, T7-5A, T15-14A, T15-4C, T16-5A, T16-7C, T19-31A, T21-8B, T26-7A, T26-16A, T26-13B, T26-9C, T26-16C, T27-4B  
**MULTIPLE SCLEROSIS** T11-6B, T12-10A, T12-12A, T12-6C, T12-8C  
**MULTISENSORY** T14-5B, T18-17B, T23-8A, T23-14B, T23-6C, T23-12C, T24-13A, T24-10B, T24-6C, T25-13B  
**MUSCARINIC** T5-2A, T18-16B  
**MUSCIMOL** T18-15C  
**MUSCLE** T19-14A, T21-9A, T21-1B  
**MUTAGENESIS** T14-8A  
**MUTANT** T10-1A, T25-3C  
**MUTATION** T11-22B  
**MYELIN** T23-10A  
**MYELINATION** T9-2A, T9-9B

## N

**NAVIGATION** T14-2C, T15-5B,  
**NAVIGATION** T14-7A, T21-8A, T25-24A, T25-2B, T25-3B, T25-9B, T26-14B  
**NEOCORTEX** S16-3, S22-3, T1-7C, T1-8C, T6-8C, T7-10A, T8-8C, T10-1B, T23-9A, T23-14A, T23-8C, T25-16A

**NEONATAL** T10-2B  
**NERVE** S10-3  
**NERVE GROWTH FACTOR** T12-8C, T23-9C  
**NERVE INJURY** T3-3B  
**NETWORK** S10-5, S20-3, T5-1C, T6-2A, T11-9B, T13-1A, T14-7C, T16-2B, T17-3B, T19-1B, T19-1C, T23-12A, T23-15A, T23-17A, T23-18A, T23-16B, T23-18B, T23-3C, T23-8C, T23-13C, T25-8B, T25-18B, T25-25C, T26-6A, T26-7A, T26-8A, T26-13A, T26-16A, T26-13B, T26-3C, T26-6C, T26-10C, T26-11C, T27-11B, T27-2C, T27-11C  
**NEURAL CIRCUIT** T17-3A  
**NEURAL CODING** S4-5, T6-9C, T15-13A, T15-14A, T15-10C, T17-5A, T17-3B, T19-11A, T19-30A, T19-17B, T23-18B, T24-6B, T26-5A, T26-9A, T26-3B, T26-4B, T26-10B, T26-2C, T26-4C, T26-6C, T26-7C  
**NEURAL STEM CELLS** S19-3, T1-2A, T1-5A, T1-7A, T1-6B, T1-9C, T1-13C, T6-5A, T8-7C, T11-4B, T11-21B, T12-11B  
**NEURITE** T11-18A  
**NEURITE OUTGROWTH** S19-2, S19-1, T2-9A, T2-3C, T3-2B, T9-8A, T21-2C  
**NEURODEGENERATION** S6-2, S7-1, S12-4, S24-1, Sat-6, T7-7C, T9-5A, T10-2A, T11-9A, T11-11A, T11-16A, T11-17A, T11-22A, T11-14B, T11-20B, T11-23B, T11-4C, T11-7C, T11-11C, T11-14C, T11-19C, T11-21C, T12-9A, T12-3C, T12-6C, T15-16A, T15-4B, T15-7B  
**NEUROENDOCRINE** T13-8B, T19-7A, T22-2A, T22-5A, T22-4B, T22-3C  
**NEUROFILAMENT** T18-3C  
**NEUROGENESIS** S1-1, S7-3, S7-5, S7-4, S7-2, S7-1, S12-6, S13-5, T1-3A, T1-4A, T1-10A, T1-4B, T1-6B, T1-10B, T1-11B, T1-6C, T1-12C, T2-1C, T3-1C, T11-3B, T13-2A, T19-3B, T25-16B  
**NEUROIMAGING** S11-3, T15-1C, T23-13C, T24-11C  
**NEUROMODULATION** S11-3, S20-3, T8-4A, T8-10A, T8-1C, T11-13A, T11-13C, T21-9A, T21-7B  
**NEUROMUSCULAR JUNCTION** S21-4, T7-13C

**NEURON** T1-12A, T2-4B, T3-4A, T16-10B, T17-9A, T18-7A, T19-7C, T20-9A, T23-17B, T26-1C, T27-8A, T27-1B  
**NEURONAL DEATH** T11-11C  
**NEURONAL DIFFERENTIATION** T1-7A, T1-8B, T1-7C  
**NEUROPATHOLOGY** T11-12A  
**NEUROPEPTIDE** S5-6, S5-3, S20-1, S20-3, S20-4, S20-5, T4-2A, T4-3C, T5-2B, T19-14B, T22-5A, T22-4C, T23-13B, T23-15B  
**NEUROPIIL** T19-14B  
**NEUROPLASTICITY** S2-1, T8-12A, T8-11B, T18-1B, T18-1C, T19-27A, T21-13A, T22-3B, T25-1C  
**NEUROPROTECTION** T11-13B, T12-7A, T12-7B, T12-11C  
**NEUROTOXICITY** T6-7A, T11-11B  
**NEUROTRANSMISSION** T2-3A, T4-1C, T7-9B  
**NEUROTRANSMITTER** T4-3A, T4-6A, T7-7A, T16-7A, T18-8B, T19-16C, T19-26C  
**NEUROTRANSMITTER RELEASE** S21-3, T23-16C  
**NEUROTROPHIC FACTOR** T7-11B, T11-10C, T23-16C, T25-10A  
**NEUROTROPHIN** T1-4C, T2-4A, T17-6B  
**NICOTINIC RECEPTOR** T7-13C  
**NITRIC OXIDE** T2-5C, T2-6C, T4-5B, T4-6B, T6-1C, T9-1C, T20-5B  
**NMDA RECEPTOR** T7-16B, T20-7B, T22-2B  
**NMR** T27-7B  
**NOCICEPTION** T19-28A, T20-6B, T20-1C, T20-5C  
**NOISE** S4-6, S10-4, T1-8A, T6-8A, T17-9B, T27-11C  
**NOS** T27-2B  
**NUCLEUS ACCUMBENS** S17-3, T24-2B, T24-8B

## O

**OBJECT RECOGNITION** T16-5B  
**OCULAR DOMINANCE** T11-17B, T16-4C, T16-11C  
**OCULOMOTOR** T15-14B, T16-1B, T16-8B, T16-6C, T23-3C  
**ODOR** S8-1, T6-7A, T6-11A, T19-23A, T19-30A, T19-9B, T19-15C, T19-22C, T19-23C

**OLFACTION** S2-2, S2-1, S2-2, S8-6, S8-3, S8-4, S8-1, S20-5, T6-9A, T11-23B, T19-1A, T19-2A, T19-3A, T19-5A, T19-10A, T19-12A, T19-14A, T19-16A, T19-17A, T19-18A, T19-19A, T19-23A, T19-24A, T19-25A, T19-26A, T19-31A, T19-2B, T19-3B, T19-5B, T19-6B, T19-7B, T19-8B, T19-10B, T19-11B, T19-12B, T19-13B, T19-15B, T19-16B, T19-17B, T19-18B, T19-19B, T19-20B, T19-21B, T19-23B, T19-24B, T19-25B, T19-26B, T19-27B, T19-28B, T19-29B, T19-30B, T19-1C, T19-2C, T19-3C, T19-4C, T19-5C, T19-6C, T19-8C, T19-10C, T19-11C, T19-13C, T19-15C, T19-18C, T19-20C, T19-21C, T19-23C, T19-27C, T19-30C, T23-6B, T25-1A, T25-14A, T25-15A, T25-19B, T25-20B, T25-8C, T25-12C, T25-23C, T26-10B  
**OLFACTORY** S8-2, S8-1, Sat-3, T9-8A, T19-20A, T19-29B, T19-17C, T19-25C, T26-13C  
**OLFACTORY BULB** S17-4, T1-2C, T1-11C, T9-3A, T9-6A, T19-17A, T19-21A, T19-22A, T19-27A, T19-1B, T19-22B, T19-20C, T19-22C, T19-31C  
**OLIGODENDROCYTE** T2-9B, T9-9B  
**ONTOGENY** S14-5  
**OPERANT** T25-4A  
**OPTICAL IMAGING** S2-6, S8-4, T15-8C, T16-9B, T16-4C, T16-11C, T19-26B, T23-1C, T23-2C  
**OPTICAL RECORDING** S21-1, S21-3, T19-29B  
**ORIENTATION** T14-7A, T15-11B, T15-2C, T19-9B, T20-2C, T21-8A, T25-6A, T25-24A, T25-3B, T25-9B, T25-12B, T25-15C, T25-17C  
**OSCILLATION** S10-1, S22-5, T8-10B, T11-9B, T15-4B, T16-6A, T20-3C, T21-9B, T23-4A, T23-16A, T23-12B, T23-14B, T23-4C, T23-5C, T23-6C, T23-15C, T23-17C, T25-18B, T25-22B, T25-23B, T26-1B, T26-12B, T26-6B, T26-5C  
**OSCILLATOR** T23-8A, T26-15B  
**OXIDATIVE STRESS** T10-4C, T11-11B, T12-9A, T20-6B, T27-7A  
**OXYTOCIN** S17-1, S17-5, S17-2, T13-8B



## P

- P75** T12-8C  
**PACEMAKER** T23-11C  
**PAIN** T10-2B, T13-1A, T20-4B, T20-6C, T20-7C  
**PARASYMPATHETIC** T1-2B  
**PARIETAL CORTEX** T16-8C, T24-6B, T26-15A  
**PARKINSON** S18-5, T11-1A, T11-9C  
**PARKINSON'S DISEASE** S7-5, S18-1, S18-2, S18-4, S18-3, S24-PR, T3-1A, T11-9A, T11-13A, T11-14A, T11-18A, T11-5B, T11-10B, T11-16B, T11-23B, T11-25B, T11-1C, T11-6C, T11-8C, T11-16C, T11-23C, T11-24C, T21-3A  
**PARVALBUMIN** T16-4C, T23-2A, T23-3A  
**PATCH CLAMP** T6-1A, T6-8B, T6-12B, T7-11A, T7-4B, T7-1C, T8-8A, T8-2C, T9-7A, T15-3A, T15-5C, T18-9B, T19-14C, T20-2A, T22-1B, T22-1C  
**PATTERNING** T2-2A, T19-18C, T23-9C, T25-16A, T27-5A  
**PEPTIDE** T19-13B  
**PERCEPTION** T20-2C, T23-4C, T24-5C, T25-1A, T25-19B  
**PERIPHERAL NERVE** T11-20A, T12-1B  
**PET** S3-1, S3-4, T22-2C, T23-9B, T24-6A, T24-8A  
**PH** T8-2C, T9-2C, T15-7C  
**PHENOTYPE** T25-2A  
**PHOSPHATASE** T21-2C  
**PHOSPHOLIPASE** T9-6B  
**PHOSPHORYLATION** S14-6, T6-3A, T7-14C, T11-19B, T14-5C  
**PHOTORECEPTOR** S15-3, S15-7, S15-6, S15-4, T7-7A, T7-16A, T7-6C, T11-3A, T11-2C, T14-4B, T14-2C, T15-1A, T15-5A, T15-8A, T15-9A, T15-12A, T15-16A, T15-5B, T15-7B, T15-10B, T15-12C, T15-16C  
**PKA** T6-9B  
**PLACE CELLS** T25-3A  
**PLASTICITY** S2-2, S2-5, S2-2, S9-5, S9-6, S9-4, S13-3, S14-4, T2-3B, T2-8C, T3-1A, T7-16B, T8-2A, T8-4A, T8-7A, T8-2B, T12-5B, T12-8B, T14-3C, T15-15A, T16-9A, T17-5C, T19-4A, T19-28B, T21-11C, T21-13C, T22-2B, T23-10A, T25-2A, T25-1B, T25-17B, T25-9C, T25-18C  
**POLYAMINE** T4-1A  
**POLYGLUTAMINE** T11-19B  
**POSTSYNAPTIC** T7-12A, T7-4B, T7-14B, T8-4C  
**POSTSYNAPTIC DENSITY** S13-2  
**POSTURE** T21-14C  
**POTASSIUM** S3-6, T9-7B, T12-10C, T27-9C  
**POTASSIUM CHANNEL** T4-4B, T6-11C, T6-12C, T9-3C, T11-25C, T19-15A, T19-24C, T21-1A, T23-4B  
**PREFRONTAL** T25-14C  
**PREFRONTAL CORTEX** S22-5, S23-5, T10-3B, T11-7C, T16-5A, T23-17C, T25-23B, T27-4B  
**PREMOTOR** T16-7B, T21-4C, T21-7C  
**PREPULSE INHIBITION** T13-4A, T23-9B  
**PRESYNAPTIC** T7-15B, T7-12C  
**PRESYNAPTIC INHIBITION** T4-1C  
**PRIMATE** S21-5, T18-19A, T18-18C, T21-7C  
**PROLIFERATION** S7-6, T1-5B, T16-8A, T27-8A  
**PROMOTER** T14-2C  
**PROPRIOCEPTION** T14-9A, T21-4B  
**PROSTAGLANDIN** T20-7B  
**PROTEASE** T10-3A, T18-14B, T27-1B  
**PROTEASOME** T25-20C  
**PROTEIN KINASE A** T25-2A  
**PROTEIN SYNTHESIS** S13-3, S13-2, T2-1B, T25-13A, T27-6B  
**PROTEOGLYCAN** T1-11B, T7-3B, T11-13B, T12-9B  
**PSD-95** T7-4C, T7-14C, T8-5A, T19-12B  
**PSYCHOPHYSICS** T16-3B, T16-2C, T18-2A, T18-6A, T18-11A, T18-18A, T20-6A, T24-2A, T24-11B, T24-2C, T24-5C, T24-9C, T25-6B, T25-2C, T25-22C  
**PURINERGIC** T4-1C, T6-5A, T6-6A, T9-6A, T19-31C, T23-4A  
**PURKINJE CELL** T2-4C, T7-2A  
**PYRAMIDAL** S16-2, T23-1A

## R

- RADIAL GLIA** T1-17B, T1-9C  
**RADIAL GLIA** T1-12B  
**RAPHE** T24-9B  
**RAT** T4-1A, T11-11B, T11-15B, T11-18C, T13-3A, T13-6C, T18-16B, T18-7C, T23-1B, T23-9B, T23-14B, T24-8A, T24-7C, T24-12C, T25-10B

**REACHING** T21-14A, T26-1A  
**REACTIVE OXYGEN SPECIES** T6-1A, T6-1C, T11-11A, T12-3A, T27-7A  
**RECEPTIVE FIELD** S22-2, T14-6B, T14-7B, T15-4A, T16-7C, T16-9C, T18-13A, T19-22C, T21-13B, T26-3A  
**RECEPTOR** S8-6, S8-3, T12-3B, T17-6C, T18-8B, T19-10A, T19-23A, T19-25A, T19-18B, T19-21B, T19-17C, T27-1B  
**RECOGNITION** S17-4, T25-6C  
**REFLEX** T14-3A, T23-2B, T25-14B  
**REGENERATION** T1-2A, T2-7C, T3-5A, T3-2B, T3-3B, T3-2C, T3-3C, T11-10A, T11-8C  
**REGULATION** T4-3C, T6-6C, T6-7C, T9-2C  
**REHABILITATION** T15-15A  
**REINFORCEMENT** T25-8B, T25-22C  
**RELEASE** T1-4C, T7-15C  
**REPRODUCTION** T23-17A  
**RESPIRATION** T5-1C, T10-2C  
**RETINA** S15-6, S15-4, S15-5, T7-16A, T7-6C, T11-3A, T11-26A, T11-22B, T14-4B, T15-1A, T15-2A, T15-4A, T15-5A, T15-6A, T15-7A, T15-12A, T15-4B, T15-6B, T15-7B, T15-10B, T15-12B, T15-13B, T15-15B, T15-3C, T15-4C, T15-6C, T15-9C, T15-11C, T15-14C, T23-18A, T27-1A, T27-2A  
**RETINAL GANGLION CELL** T3-2C, T11-26A, T11-19C, T12-7A, T15-3A, T15-11A, T15-13A, T15-1B, T15-9B, T15-5C, T15-7C, T15-10C, T15-13C, T26-9C  
**RETINOGENICULATE** S9-3  
**RETROGRADE** T18-17B, T24-9B  
**REWARD** S5-4, T13-7A, T23-5B, T23-13B, T24-12A, T25-12C, T25-23C  
**RHYTHM** T23-6A, T23-13A, T23-9C  
**RNA** S6-3, S6-5  
**ROD** T15-16C, T16-1C  
**RT-PCR** T11-21C

## S

**SACCADE** T15-13A, T16-1A, T16-6A, T16-8C, T16-9C  
**SCHIZOPHRENIA** S19-4, T1-1A, T4-6C, T10-3C, T11-2A, T13-5C, T24-1C  
**SCHWANN CELL** T1-9B, T3-4C, T12-1B

**SECOND MESSENGER** T2-6B, T4-3B, T19-6B  
**SECRETION** T1-4C  
**SEIZURE** S12-6, S22-1, S22-4, T11-8A, T11-12C, T13-5A  
**SENSITIZATION** T19-16A  
**SENSORIMOTOR** S4-3, S16-6, T21-14A, T21-3B, T21-1C, T21-7C, T21-13C, T26-1A, T26-2A, T26-10A, T27-6A  
**SENSORY** S2-5, S10-4, T6-2A, T14-9A, T17-6C, T19-17C, T20-5A, T25-14B, T26-12A  
**SENSORY NEURONS** T1-8A, T15-15C, T17-1A, T17-3C, T17-4C, T17-9C, T19-1A, T19-24A, T19-28A, T19-29A, T19-4B, T19-30B, T19-12C, T20-8A, T20-2B, T20-7B, T20-1C, T23-2C  
**SEROTONIN** S20-2, T1-6C, T2-10A, T4-4C, T7-5C, T8-2B, T8-7C, T11-5C, T19-26A, T24-1A, T25-7B, T25-9C  
**SEROTONIN RECEPTOR** T2-8C, T5-1C, T10-2C  
**SEX DIFFERENCES** T14-5A, T19-8C, T24-10C  
**SEXUAL BEHAVIOR** T13-5B, T23-18C  
**SEXUAL DIFFERENTIATION** T19-27A  
**SIGNAL TRANSDUCTION** S7-2, S19-2, S20-2, T2-7A, T5-3A, T7-4A, T7-12A, T7-10B, T7-13C, T13-1B, T17-6C, T19-19A, T19-8B, T23-8C, T27-4A, T27-12C  
**SIMULATION** T21-1B, T26-2B, T26-3B, T26-1C, T26-2C, T26-3C, T27-9B  
**SINGLE UNITS** T16-2A, T18-13A, T24-6B, T26-9B, T27-8C  
**SKIN** T19-9A, T19-4B  
**SLEEP** P8, T4-4C, T23-1B, T23-13C, T26-12C, T27-1C  
**SOD1** S6-6  
**SODIUM CHANNEL** S8-2, T6-1A, T6-3C, T6-8C, T6-9C, T11-19C, T19-22A, T19-20C, T20-2A, T20-1C, T26-7C  
**SOMATOSENSORY CORTEX** S16-2, S16-5, T6-11B, T20-3A, T20-9B, T20-3C, T20-9C, T23-18B, T26-12A  
**SONGBIRD** T2-4A, T2-2B, T16-9B, T21-1C, T21-10C  
**SOUND LOCALIZATION** T17-5B, T18-14A, T18-6B, T18-12B, T18-10C, T18-12C, T24-10C  
**SPATIAL LEARNING** S7-3, T1-10B, T25-9B, T25-16B



**SPATIAL MEMORY** T24-14C, T25-3B, T25-10C  
**SPATIAL ORIENTATION** T14-8B, T14-6C, T24-10C, T25-22B, T25-10C  
**SPEECH** S23-1, T21-5C, T24-5B  
**SPINAL** T11-4A  
**SPINAL CORD** S10-1, T2-7C, T21-2C, T26-11A  
**SPINAL CORD INJURY** T3-1B, T3-4B, T3-3C, T21-12A  
**SPREADING DEPRESSION** T22-2C  
**STARTLE** S11-2, S11-1, T17-8C  
**STEM CELL** S1-1, S1-3, S7-4, S7-2, S7-1, S15-5, T1-3A, T1-8B, T1-5C, T1-12C, T3-1B, T11-14B  
**STEROID** T18-13C  
**STIMULATION** S21-6, S21-5, T11-24A, T19-22B, T20-4C, T21-11C, T23-2A, T25-14C, T26-1C, T26-4C, T27-10A  
**STOMATOGASTRIC** T23-13A  
**STRESS** S5-1, T4-2A, T7-3C, T8-1B, T13-7B, T22-1A, T22-3A, T22-3B  
**STRIATUM** T11-15A, T11-14C, T18-5A, T21-1A, T24-11A, T24-8C  
**STROKE** S3-2, S7-6, T2-3B, T11-17B, T12-4B  
**STRUCTURE** S18-2, T9-5C, T25-25C, T26-10C  
**SUBCELLULAR** T11-7B  
**SUBSTANCE P** T4-1B  
**SUBVENTRICULAR ZONE** T1-1B, T1-2C  
**SUPERIOR COLLICULUS** T15-11B, T21-10A, T23-6C  
**SUPEROXIDE DISMUTASE** S6-2, S6-4, T11-20B, T11-4C  
**SYMPATHETIC** T1-2B, T1-10C  
**SYNAPSE** S8-2, S14-1, S14-2, S15-6, T5-1A, T7-6A, T7-16A, T7-11B, T7-6C, T11-2B, T15-5A, T15-9C, T15-11C, T16-2B, T27-3B, T27-12C  
**SYNAPSE FORMATION** T2-1A, T2-7A, T7-12A, T7-13A, T7-15A, T7-13B, T7-3C, T7-16C, T11-6C  
**SYNAPTIC DEPRESSION** T7-8C  
**SYNAPTIC PLASTICITY** S2-4, S21-3, S22-6, S22-2, T6-6B, T7-13A, T7-17A, T7-6B, T7-8C, T7-12C, T8-3A, T8-5A, T8-3B, T8-5B, T8-8B, T8-9B, T8-3C, T8-4C, T8-8C, T8-9C, T8-11C, T11-6A, T19-2A, T19-31C, T25-1B, T25-25C, T26-9A

**SYNAPTIC TRANSMISSION** S16-2, T6-8B, T6-10C, T7-1A, T7-2A, T7-8A, T7-10A, T7-5B, T7-7B, T7-12B, T7-13B, T7-15B, T7-1C, T7-2C, T7-4C, T7-10C, T7-12C, T7-15C, T9-6A, T9-5B, T18-2A, T18-10A, T18-15A, T18-4B  
**SYNAPTIC VESICLES** Sat-6, T4-3A, T7-15A, T7-1B, T7-8B, T7-7C, T7-8C, T7-9C, T11-5B, T18-16C  
**SYNAPTOGENESIS** T2-8C, T7-13A, T13-3B, T15-2B  
**SYNAPTOSOME** T2-2A, T11-7C  
**SYNCHRONIZATION** S4-6, T21-10B, T23-8B, T23-15C, T25-21C, T27-2C  
**SYNCHRONY** T17-1A, T17-1C, T21-6B, T21-9B, T23-4C, T24-4A, T25-11C, T26-3B, T26-13B, T26-2C, T26-14C, T26-16C  
**SYNUCLEIN** S7-5, S18-1, S18-5, T11-1A, T11-10B, T11-8C, T11-24C

## T

**TASTE** T19-13A, T19-28C  
**TAU** S24-3, S24-1, T11-5A, T11-13B, T11-17C  
**TEMPERATURE** T17-9A, T17-2C, T19-12C, T19-15C, T19-23C, T27-1C  
**THALAMOCORTICAL** S16-1, S19-4, T2-8B, T7-5B, T18-4A, T18-5B, T18-17B  
**THALAMUS** T6-11C, T7-1C, T9-8B, T18-17A, T18-19A, T18-15C  
**THETA** T23-6A, T23-10C, T25-21C  
**TIMING** S14-3, T7-7B, T18-7B, T18-4C, T24-10B  
**TISSUE CULTURE** T11-4B  
**TOLERANCE** T19-16C  
**TOPOGRAPHY** T6-10B, T21-4C  
**TOUCH** T20-7A, T20-8A, T20-9B  
**TOXICITY** T1-3B, T11-15B, T27-3C  
**TOXIN** T6-13A  
**TRAFFICKING** T1-5C, T8-4B, T13-5A, T14-8A, T14-1B, T14-2B, T15-2B, T15-13B, T15-12C  
**TRANSCRIPTION** T24-7B  
**TRANSCRIPTION FACTOR** S1-3, Sat-3, T1-8C, T1-11C, T11-21C, T27-3A, T27-4A  
**TRANSDUCTION** T18-5C

**TRANSFECTION** T2-8A, T18-8A  
**TRANSGENIC** T11-24C  
**TRANSGENIC MICE** S6-3, T8-11A, T9-2A, T9-9C, T19-13A, T19-28C, T20-4B, T25-12A  
**TRANSGENIC MOUSE** S3-5, S13-5, T10-2A, T12-7B, T13-5C  
**TRANSMISSION** T4-5C  
**TRANSPLANTATION** T1-5A, T3-4A, T3-1B, T11-10C  
**TRANSPORT** T6-7C, T11-7A, T11-23A, T11-24B, T11-20C, T15-8A, T19-25A  
**TRANSPORTER** S20-2, T6-3A, T6-2B, T6-3B, T6-4C, T6-5C, T7-1B, T7-2B, T7-9B, T17-7A  
**TRAUMA** T3-2B, T9-3B, T11-24A, T12-5A, T15-10A, T18-7C  
**TRIGEMINAL GANGLION** T19-28A, T19-29A, T19-19C, T20-2B  
**TUMOR** T1-6A  
**TUMOR STEM CELL** S1-4, S1-4

## U

**UBIQUITIN** S18-4, T11-14A, T7-UBIQUITIN T2-9C  
**ULTRASTRUCTURE** T7-16C, T12-5C, T12-10C  
**UPTAKE** T4-3A, T6-12A

## V

**VASCULAR** S12-5  
**VASOPRESSIN** S17-4, S17-1  
**VENTRAL TEGMENTAL AREA** T24-9B  
**VESTIBULAR** T4-5C  
**VIBRISSA** S16-3, T20-6A, T20-9B, T20-9C  
**VIRUS** T11-16B  
**VISION** S4-4, S4-5, S15-4, S15-2, T2-6A, T14-1A, T14-2A, T14-5A, T14-6A, T14-2B, T14-3B, T14-5C, T14-7C, T15-6A, T15-15A, T15-5B, T15-11B, T15-1C, T15-3C, T15-15C, T16-3B, T16-5B, T16-2C, T16-10C, T24-13B, T27-1A, T27-2A  
**VISUAL** T14-8B, T15-10A, T25-8A, T27-6C  
**VISUAL CORTEX** S9-3, S9-5, S9-6, S9-4, S9-1, T2-5B, T8-4A, T11-17B, T16-3A, T16-4A, T16-9A, T16-10A, T16-2B, T16-9B, T16-1C, T16-3C, T16-9C, T23-5A, T23-12C, T24-3A, T24-3B, T26-6A, T26-14A, T26-12B, T26-9B

**VISUAL MOTION** T14-4A, T14-7B, T14-6C, T14-8C, T15-10C, T16-8B, T24-9C  
**VISUAL PERCEPTION** T15-3A, T16-3A, T16-4A, T16-4B, T16-5B, T16-7B, T16-2C, T16-5C, T24-2A, T24-2C  
**VOCALIZATION** T13-5B, T13-7C, T18-3B, T21-6B, T23-12A, T24-12A, T24-12C  
**VOLTAGE CLAMP** T6-13A, T6-2C, T7-7B, T23-7B  
**VTA** T23-5B

## W

**WALKING** S4-2, T14-4C, T21-6A, T23-2B  
**WORKING MEMORY** T24-3A, T24-14C, T25-6A, T25-13C, T25-14C

## X

**XENOPUS** T16-1B, T17-10B  
**XENOPUS OOCYTE** T9-1A

## Z

**ZINC** T7-1B, T13-8C





## Addresses

(Registered Participants as of January 11, 2011)

**Abdulazim**, Amr, Departement of Neuroanatomy and Molecular Brain Research, Institute of Anatomy, Universitätsstr. 150, 44780, Bochum, Tel.: +49 234 706724, Email: amr@abdulazim.de

**Abraham**, PhD Andreas, Department of Zoology, University of Potsdam, Institute for Biochemistry and Biology, Karl-Liebknecht-Str. 24-25, Haus 26, 14476, Potsdam, Tel.: +49 331 9775564, Email: andreas.abraham@uni-potsdam.de

**Abresch**, Tilman Gerrit Jakob, Neurophysics, Philipps-University Marburg, Karl-von-Frisch-Str. 8a, 35032, Marburg, Tel.: +49 1522 1976920, Email: abresch@mdcx.de

**Abu**, PhD Farhan, Neuroethology, MPI for Chemical Ecology, Hans-Knoll-Str. 8, 07745, Jena, Tel.: +49 176 62600684, Email: afarhan@ice.mpg.de

**Ache**, M. Sc. Jan Marek, Department of Animal Physiology, University of Köln, Zülpicher Str. 47b, 50674, köln, Tel.: +49 521 1065530 Email: jan.ache@gmx.net

**Ackels**, Tobias, Department of Zoology and Animal Physiology, RWTH Aachen University, Mies-van-der-Rohe-Straße 15, 52056, Aachen, Tel.: +49 241 8020806, Email: tobias.ackels@rwth-aachen.de

**Adler**, Nele, Clinical Psychology, Humboldt-Universität, Rudower Chaussee 18, 12489, Berlin, Tel.: +49 30 209304823, Email: nele.adler@hu-berlin.de

**Aertsen**, Prof. Dr. Ad, Neurobiology and Biophysics, Albert-Ludwigs-University, Institute of Biology III, Schaenzlestr. 1, 79098, Freiburg, Tel.: +49 761 20327, Email: ad.aertsen@biologie.uni-freiburg.de

**Afshar**, Ghazaleh, Theoretical Neurophysics, MPIDS, Bunsenstr. 10, 37073, Göttingen, Tel.: +49 176 82066067, Email: ghazaleh@nld.ds.mpg.de

**Ahlers**, Malte T., AG Neurobiologie, Carl von Ossietzky Universität Oldenburg, Carl-von-Ossietzky-Str. 9 - 11, 26129, Oldenburg, Tel.: +49 441 7983202, Email: m.ahlers@uni-oldenburg.de

**Ahlf**, Sönke, Experimental Otolaryngology, University of Erlangen-Nürnberg, Waldstr. 1, 91054, Erlangen, Tel.: +49 9131 8543853, Email: soenke.ahlf@uk-erlangen.de

**Ahrens**, Birgit, Institut für Biologie III, Universität Freiburg, Schänzlestraße 1, 79106, Freiburg, Tel.: +49 761 2032759, Email: birgit.ahrens@biologie.uni-freiburg.de

**Aiello Holden**, PhD Kiara Cecilia, Allgemeine Zoologie und Tierphysiologie, Biologisch-Pharmazeutische Fakultät, Universität Jena, Erberstr. 1, 07743, Jena, Tel.: +49 176 59591107 Email: aikia@hotmail.com

**Akad**, Derya, Molecular Neurobiology, European Neuroscience Institute, Grisebach Str. 5, 37077, Göttingen, Tel.: +49 551 3910377, Email: dakad@gwdg.de

**Akerman**, Dr. Colin Jon, Department of Pharmacology, University of Oxford, Mansfield Road, OX1 3QT, Oxford, United Kingdom, Tel.: +44 1865 271872, Email: colin.akerman@pharm.ox.ac.uk

**Alam**, PhD Mesbah, Neurosurgery, MHH, Carl-Neuberg-Str. 1, 30625, Hannover, Tel.: +49 511 5328874, Email: alam.mesbah@mh-hannover.de

**Albayram**, Önder, Institute of Molecular Psychiatry, University of Bonn, Sigmund-Freud-Straße 25, 53127, Bonn, Tel.: +49 228 6885323, Email: albayram@uni-bonn.de

**Albus**, Christina, Department of Epileptology, Life & Brain Center, Laboratory of Experimental Epileptology and Cognition Research, Sigmund-Freud-Str. 25, 53127, Bonn, Tel.: +49 228 6885275, Email: chralbus@uni-bonn.de

**Al-Chalabi**, Prof./PhD Ammar, MRC Centre for Neurodegeneration Research, King's College London, Institute of Psychiatry, P 041, SE5 8AF, London, United Kingdom, Tel.: +44 20 78485187, Email: ammar.al-chalabi@kcl.ac.uk



**Alt**, Marco D., General Zoology, TU Kaiserslautern, P.O. Box 3049, 67653, Kaiserslautern, Tel.: +49 631 2053518, Email: marcod.alt@googlemail.com

**Althans**, Maik, Evolutionäre Neuroethologie, Max-Planck-Institut für chemische Ökologie, Hans-Knöll-Straße 8, 07745, Jena, Tel.: +49 176 21196188, Email: malthans@ice.mpg.de

**Althof**, Daniel, Anatomy and Cell Biology, Neuroanatomy, Albert-Ludwigs-University Freiburg, Albert-Str. 17, 79104, Freiburg, Tel.: +49 761 203 5058, Email: daniel.althof@sgbm.uni-freiburg.de

**Ammer**, Julian Johannes, Division of Neurobiology, Ludwigs-Maximilian-University, Großhaderner Str. 2-4, 82152, Martinsried, Tel.: +49 89 218074368, Email: ammer@bio.lmu.de

**Ammersdörfer**, Sandra, Institut für Zoologie, Stiftung Tierärztliche Hochschule Hannover, Bünteweg 17, 30559, Hannover, Tel.: +49 511 9538 427, Email: sandra.ammersdoerfer@tiho-hannover.de

**Andreyeva**, Dr. Aksana, Institute of Neuro- and Sensory Physiology, Heinrich Heine University Düsseldorf, Universitätsstraße 1, 40225, Düsseldorf, Tel.: +49 211 8112616, Email: Aksana.Andreyeva@uni-duesseldorf.de

**Ansorg**, Anne, Hans Berger Clinic for Neurology, University Hospital Jena, Erlanger Allee 101, 07747, Jena, Tel.: +49 3641 9325910, Email: anne.ansorg@med.uni-jena.de

**Antileo Ibarra**, M. Sc. Elmer Rodrigo, Neurochemistry, Leibniz Institute for Neurobiology Magdeburg, Brenneckestr. 6, 39118, Magdeburg, Tel.: +49 391 6263217, Email: eantileo@ifn-magdeburg.de

**Anton**, Dr. Sylvia, UMR 1272 PISC, INRA, Route de St Cyr, 78000, Versailles, France, Tel.: +33 1 30833163, Email: sylvia.anton@versailles.inra.fr

**Appl**, Dr. Thomas, Behavioral Pharmacology, Abbott Pharma GmbH & Co KG, Knollstr., 67061, Ludwigshafen, Tel.: +49 621 5892915, Email: Thomas.Appl@abbott.com

**Arango-Gonzalez**, Dr. med. Blanca, Institut for Ophthalmic Research, Universitätsklinikum Tübingen - Centre for Ophthalmology, Röntgenweg 11, 72076, Tübingen, Tel.: +49 7071 2980741, Email: blanca.arango-gonzalez@klinikum.uni-tuebingen.de

**Araya Callis**, Carolina, Clinical Neurobiology Laboratory, German Primate Center, Kellnerweg 4, 37077, Göttingen, Tel.: +49 551 3851135, Email: carito\_acl@yahoo.com

**Arbogast**, Patrick, Neuroanatomie, Max Planck Institut für Hirnforschung, Deutschordenstraße 46, 60528, Frankfurt/Main, Tel.: +49 69 96769247, Email: patrick.arbogast@brain.mpg.de

**Arnold**, Dr. Susanne, Institute for Neuroanatomy, Faculty of Medicine, RWTH Aachen University, Wendlingweg 2, MTI-I, 52074, Aachen, Tel.: +49 241 8089113, Email: sarnold@ukaachen.de

**Arrenberg**, PhD Aristides, Biologie I, University of Freiburg, Hauptstr. 1, 79104, Freiburg, Tel.: +49 1525 3639068, Email: aristides.arrenberg@biologie.uni-freiburg.de

**Arsenijevic**, PhD Yvan, Unit of Gene Therapy & Stem Cell Biology, Jules-Gonin Eye Hospital, University of Lausanne, 15, av. de France, 01004, Lausanne, Switzerland, Tel.: +41 21 6268260, Email: yvan.arsenijevic@fa2.ch

**Asan**, Prof. Dr. med. Esther Silke, Institute of Anatomy and Cell Biology, University of Würzburg, Koellikerstr. 6, 97070, Würzburg, Tel.: +49 931 3182715, Email: esther.asan@mail.uni-wuerzburg.de

**Asede**, M. Sc. Douglas Theophilus, Learning and Memory, Hertie Institute and Center for Integrative Neuroscience, Paul-Ehrlich-Straße, 72076, Tübingen, Tel.: +49 7071 2989197, Email: douglas.asede@cin.uni-tuebingen.de

**Auferkorte**, Dr. Olivia Nicola, Neuroanatomy, Max-Planck-Institute for Brain Research, Deutschordenstr. 46, 60528, Frankfurt/Main, Tel.: +49 69 96769286, Email: Olivia.Auferkorte@brain.mpg.de

**Ausborn**, Dr. Jessica, Department of Neuroscience, Karolinska Institute, Retzius väg 8, 17177, Stockholm, Sweden, Tel.: +46 8 52487399, Email: jessica.ausborn@ki.se

**Averaimo**, Dr. Stefania, Dept. Biomolecular Sciences and Biotechnology, University of Milan, Via Celoria 26, 20133, Milan, Italy, Tel.: +39 2 50314959, Email: stefania.averaimo@unimi.it

**Azami Tameh**, PhD Abolfazl, Anatomy, Kashan University of Medical Sciences, 5th of Qotb-e Ravandi Blvd, 87155111, Kashan, Iran, Tel.: +98 361 5551112, Email: azami@alumnus.tums.ac.ir

## B

**Backen**, Theda, Cognitive Neuroscience Laboratory, Bernstein Center for Computational Neuroscience and German Primate Center, Kellnerweg 4, 37077, Göttingen, Tel.: +49 176 21818568, Email: theدابacken@hotmail.com

**Backes**, Dr. Heiko, Medical Physics, Max Planck Institute for Neurological Research, Gleueler Str. 50, 50931, Köln, Tel.: +49 221 4726440, Email: backes@nf.mpg.de

**Backhaus**, Jenny, Developmental Neurophysiology, Center for Molecular Neurobiology (ZMNH), Falkenried 94, 20251, Hamburg, Tel.: +49 40 741056605, Email: jenny.backhaus@zmnh.uni-hamburg.de

**Backhaus**, Dr. Werner Georg Karl, AG Psychophysiology, University of Technology Berlin, Einsteinufer 25, HFT-CO, 10587, Berlin, Tel.: +49 30 31473614, Email: backhaus@cs.tu-berlin.de

**Backofen-Wehrhahn**, Dr. Bianca, Institut für Pharmakologie, Toxikologie und Pharmazie, AG Löscher, Stiftung Tierärztliche Hochschule Hannover, Bünteweg 17, 30559, Hannover, Tel.: +49 511 9538728, Email: bianca.backofen@tiho-hannover.de

**Baden**, PhD Tom, MRC-Laboratory for Molecular Biology, MRC-LMB, Cambridge, Hills Road, CB2 0QH, Cambridge, United Kingdom, Tel.: +44 1223 402176, Email: tbaden@mrc-lmb.cam.ac.uk

**Bader**, Andrea, Institute of Physiology, University of Hohenheim, Garbenstraße 30, 70599, Stuttgart, Tel.: +49 711 45923137, Email: andrea.bader82@hotmail.com

**Badowska**, Dorota, Gene Expression, Max-Planck-Institut für Experimentelle Medizin, Hermann-Rein-Str. 3, 37075, Göttingen, Tel.: +49 176 70317970, Email: d.badowska@gmail.com

**Bahl**, Armin, Systems and Computational Neurobiology, Max Planck Institute of Neurobiology, Am Klopferspitz 18, 82152, Martinsried, Tel.: +49 89 85783289, Email: bahl@neuro.mpg.de

**Bähr**, Prof. Dr. Mathias, Neurologische Klinik, Robert-Koch-Str.40, 37075, Göttingen, Tel.: +49 551 396603, Email: mbaehr@gwdg.de

**Baker**, Prof. Stuart N., Institute of Neuroscience, Newcastle University, Framlington Place, NE2 4HH, Newcastle, United Kingdom, Tel.: +44 191 2225689, Email: stuart.baker@ncl.ac.uk

**Bakker**, Dr. Rembrandt, Donders Inst. for Brain, Cognition and Behaviour, Radboud UMC Nijmegen, P.O. Box 9101, 6500 HB, Nijmegen, Netherlands, Tel.: +31 24 3668579, Email: r.bakker@donders.ru.nl

**Baloni**, Sonia, Cognitive Neuroscience Laboratory, German Primate Center, Kellnerweg 4, 37077, Göttingen, Tel.: +49 551 3851345, Email: sbaloni@gwdg.de

**Baltz**, Thomas, Developmental Physiology, Institute of Physiology, Otto-von-Guericke-University Magdeburg, Leipziger Str. 44, 39120, Magdeburg, Tel.: +49 391 6713674, Email: Thomas.Baltz@med.ovgu.de

**Bamberg**, Prof. Dr. PhD Ernst, Biophysical Chemistry, Max Planck Institute of Biophysics, Max-von-Laue-Str. 3, 60438, Frankfurt/Main, Tel.: +49 69 63032000, Email: ernst.bamberg@biophys.mpg.de

**Baron**, Olga, Neuroanatomy, Hannover Medical School, Carl-Neuberg-Str. 1, 30625, Hannover, Tel.: +49 176 22844403, Email: Baron.olga@mh-hannover.de

**Barrozo**, Dr. Romina, Unite Mixte de Recherches en Physiologie d'Insectes-Signalisation et communicati, INRA, Centre de Recherches de Versailles-Route de S, 78026, Versailles cedex, France, Tel.: +331 30 833163, Email: rbarrozo@bg.fcen.uba.ar



**Barth**, Joern, Department of Neurochemistry, Institute for Cell Biology and Neuroscience, Max-von-Laue-Str. 9, 60438, Frankfurt/Main, Tel.: +49 69 79829612, Email: joern.barth@gmx.net

**Barth**, Jonas, Molecular Neurobiology of Behavior, Georg-August University Göttingen, Grisebachstr. 5, 37077, Göttingen, Tel.: +49 551 3910722, Email: jbarth2@gwdg.de

**Bartoi**, PhD Tudor, AG Maximilian Ulbrich, Bioss Uni-Freiburg, Habsburgerstr. 49, 79104, Freiburg, Tel.: +49 761 20397231, Email: tudor.bartoi@bioss.uni-freiburg.de

**Barton**, Brian, Cognitive Science, University of California, Irvine, 3151 Social Sciences Plaza, 92617, Irvine, USA, Tel.: +1 949 8247558, Email: bbarton@uci.edu

**Bas Orth**, Dr. Carlos, IZN - Neurobiology, University of Heidelberg, INF 364, 69120, Heidelberg, Tel.: +49 6221 548355, Email: Bas-Orth@nbio.uni-heidelberg.de

**Battaglia**, Dr. Demian, MPIDS, Nonlinear Dynamics Department, Bernstein Center for Computational Neuroscience, Bunsenstr. 10, 37073, Göttingen, Tel.: +49 551 5176405, Email: demian@nld.ds.mpg.de

**Bäuerle**, Peter, Department of Biological Sciences, Institute for Cell Biology and Neuroscience, Goethe University, Siesmayerstr. 70A, 60323, Frankfurt/Main, Tel.: +49 163 1868154, Email: Peter.Baeuerle@gmx.de

**Baum**, Eileen, Hans Berger Clinic for Neurology, University Hospital Jena, Erlanger Allee 101, 07747, Jena, Tel.: +49 3641 9325911, Email: Eileen.Baum@med.uni-jena.de

**Baumann**, Otto, Institut für Biochemie und Biologie, Universität Potsdam, Karl-Liebknecht-Str. 24/25, 14476, Potsdam, Tel.: +49 331 9775525, Email: obaumann@uni-potsdam.de

**Baumann**, Dr. Arnd, Institute of Structural Biology and Biophysics (ISB-1), Forschungszentrum Jülich, PO Box 1913, 52425, Jülich, Tel.: +49 2461 614014, Email: a.baumann@fz-juelich.de

**Baumgart**, PhD Sabrina, Cell Physiology, Ruhr-University Bochum, Universitätsstr. 150, 44870, Bochum, Tel.: +49 234 3223529, Email: sabrina.baumgart@rub.de

**Bauß**, Katharina, AG Wolfrum, Institute of Zoology, Müllerweg 6, 55099, Mainz, Tel.: +49 6131 3924484, Email: katharina.bauss@web.de

**Bautze**, Verena, Institut für Physiologie, Universität Hohenheim, August-von-Hartmann-Str. 3, 70599, Stuttgart, Tel.: +49 176 23178369, Email: verenabautze@web.de

**Bayer**, Mareike, Berlin School of Mind and Brain, Humboldt-Universität zu Berlin, Rudower Chaussee 18, 12489, Berlin, Tel.: +49 30 20939366, Email: mareike.bayer@hu-berlin.de

**Bech**, M. Sc. Miklós, Department of Biology, Animal Physiology, Philipps-University Marburg, Karl-von-Frisch-Str. 8, 35032, Marburg, Tel.: +49 6421 2823380, Email: bech@students.uni-marburg.de

**Becherer**, Dr. Ute, Physiologisches Institut, Universität des Saarlandes, Gebäude 59, 66421, Homburg, Tel.: +49 6841 1626032, Email: Ute.Becherer@uks.eu

**Beck**, Prof. Dr. Heinz W., Dept. of Epileptology, University of Bonn, Life&Brain Center, Sigmund-Freud-Str. 25, 53127, Bonn, Tel.: +49 228 6885270, Email: rommy.liebchen@ukb.uni-bonn.de

**Beck**, Tobias F., Department of Cognitive Neurology, Section for Computational Sensomotrics, University of Tübingen, Hoppe-Seyler-Str. 3, 72076, Tübingen, Tel.: +49 7071 2989136, Email: tobias.beck@medizin.uni-tuebingen.de

**Becker**, Prof. Dr. Albert J., Department of Neuropathology, University of Bonn, Medical Center, Sigmund-Freud-Str. 25, 53105, Bonn, Tel.: +49 228 28711352, Email: albert\_becker@uni-bonn.de

**Becker**, Dr. Nadine, Department of Physiology and Pharmacology, University of Bristol, University Walk, BS8 1TD, Bristol, United Kingdom, Tel.: +44 117 3312233, Email: nadine.becker@bristol.ac.uk

**Becker**, Dr. Holger M., Zoology/Membrane transport, TU Kaiserslautern, P.O. Box 3049, 67653, Kaiserslautern, Tel.: +49 631 2052491, Email: h.becker@biologie.uni-kl.de

**Becker**, Mirjana, Cell and Matrix Biology, AG Wolfrum, Institute of Zoology, Johannes Gutenberg University of Mainz, Johannes v. Müllerweg 6, 55128, Mainz, Tel.: +49 6131 3922880, Email: becke005@uni-mainz.de

**Becker**, PhD Astrid, Institute of Molecular Psychiatry, University of Bonn, Sigmund-Freud-Str. 25, 53127, Bonn, Tel.: +49 228 6885321, Email: astrid.becker@uni-bonn.de

**Becker**, PhD Lore, IEG-German Mouse Clinic, Helmholtz Zentrum München, Ingolstaedter Landstr. 1, 85764, Oberschleißheim, Tel.: +49 89 31873282, Email: lore.becker@helmholtz-muenchen.de

**Bedel**, Carolin Sabine, Behavioral Physiology and Sociobiology, University of Würzburg, Biozentrum, Am Hubland, 97074, Würzburg, Tel.: +49 931 3184313, Email: caro.bedel@gmx.de

**Bedner**, Dr. Peter, Institute of Cellular Neurosciences, University of Bonn, Sigmund-Freud-Str. 25, 53105, Bonn, Tel.: +49 228 28719781, Email: Peter.Bedner@ukb.uni-bonn.de

**Behl**, Prof. Dr. Christian, Johannes Gutenberg University Mainz, Institute for Pathobiochemistry, University Medical Center of the, Duesbergweg 6, 55128, Mainz, Tel.: +49 6131 3925890, Email: cbehl@uni-mainz.de

**Beis**, Daniel Marius, AG Bader, Max Delbrück Centre for Molecular Medicine, Robert-Rössle-Straße 10, 13125, Berlin, Tel.: +49 30 94062518, Email: daniel.beis@mdc-berlin.de

**Bellmann**, PhD Dennis, Verhaltensbiologie und Didaktik der Biologie, Ruhr-Universität Bochum, Universitätsstr. 150 / Gebäude NCDF 06/494, 44780, Bochum, Tel.: +49 234 3229014, Email: dennis.bellmann@rub.de

**Beltrán**, Leopoldo Raúl, Chair of cell Physiology, Ruhr-University Bochum, Universitätsstraße 150, 44801, Bochum, Tel.: +49 23432 26756, Email: leopoldo\_beltran@yahoo.com

**Benda**, Dr. Jan, Ludwig-Maximilian Universität München, Department Biology II, Großhaderner Str. 2, 82152, Martinsried, Tel.: +49 89 209374805, Email: benda@bio.lmu.de

**Benecke**, Dr. Heike, Lehrstuhl für Zellphysiologie, Ruhr Universität Bochum, Universitätsstr. 150, 44780, Bochum, Tel.: +49 234 3224315, Email: heike.benecke@rub.de

**Berg**, Eva, AG Büschges, Biowissenschaftliches Zentrum, Zülpicherstr. 47b, 50674, Köln, Tel.: +49 221 4703133, Email: eva.berg@gmx.net

**Berg**, Christian, Dept. of Zoology III - Neurobiology, Johannes Gutenberg-University Mainz, Col.- Kleinmannweg 2, 55099, Mainz, Tel.: +49 6131 3927264, Email: Bergch@uni-mainz.de

**Berger**, Jana, Institut für Integrative Neuroanatomie, Charité - Universitätsmedizin Berlin, Philippstr. 12, 10115, Berlin, Tel.: +49 30 4505 28408, Email: jana.berger@charite.de

**Berkefeld**, Dr. Henrike, Department of Physiology, University of Freiburg, Engesserstr.4, 79108, Freiburg, Tel.: +49 761 2035143, Email: henrike.berkefeld@physiologie.uni-freiburg.de

**Bernard**, Dr. René, Institute for Integrative Neuroanatomy, Charité University Medicine, Philippstr. 12, 10117, Berlin, Tel.: +49 30 450528075, Email: rbbernard@gmail.com

**Berninger**, Dr. Benedikt, Physiological Genomics, Institute of Physiology, LMU München, Schillerstr. 46, 80336, München, Tel.: +49 89 218075208, Email: benedikt.berninger@helmholtz-muenchen.de

**Besemer**, Anna, University Medical Center, Johannes Gutenberg University Mainz, Institute for Pathobiochemistry, Duesbergweg 6, 55128, Mainz, Tel.: +49 6131 3926805, Email: annabese@students.uni-mainz.de

**Beyreis**, Marlana, Department Cell Biology, University of Salzburg, Hellbrunnerstrasse 34, 05020, Salzburg, Austria, Tel.: +43 650 992 4346, Email: marlena.beyreis@sbg.ac.at

**Bicker**, Prof. Gerd, Div. of Cell Biology, University of Veterinary Medicine Hannover, Bischofsholer Damm 15, 30173, Hannover, Tel.: +49 511 856 7765, Email: gerd.bicker@tiho-hannover.de

**Bickmeyer**, Dr. Ulf, Ökologische Chemie, Alfred Wegener Institut, Am Handelshafen 12, 17570, Bremerhaven, Tel.: +49 471 48312028, Email: Ulf.Bickmeyer@awi.de



**Biehl**, M. Sc. Martin, Third Institute of Physics - Biophysics, Georg-August-Universität Göttingen, Friedrich-Hund-Platz 1, 37077, Göttingen, Tel.: +49 551 3910763, Email: mab@physik3.gwdg.de

**Bierfeld**, Jens, FB Biologie, AG Galizia, University of Konstanz, Fach 624, 78457, Konstanz, Tel.: +49 7531 384272, Email: jens.bierfeld@uni-konstanz.de

**Binder**, Sonja, Institut für Neuroendokrinologie, Universität zu Lübeck, Ratzeburger Allee 160, 23538, Lübeck, Tel.: +49 451 5005780, Email: binder@kfg.uni-luebeck.de

**Binzer**, Marlene, Tierphysiologie, Philipps-Universität Marburg, Karl-von-Frisch-Str. 8, 35043, Marburg, Tel.: +49 6421 2823475, Email: binzerm@staff.uni-marburg.de

**Bischof**, Prof. Dr. Hans-Joachim, Behavioural Biology / Neuroethology, University of Bielefeld, PSF 100131, 33501, Bielefeld, Tel.: +49 521 1062712, Email: bischof@uni-bielefeld.de

**Bista, Pawan**, University Münster, Institute of Physiology I (Neurophysiology), Robert Koch Str. 27a, 48149, Münster, Tel.: +49 251 8355566, Email: dr\_pawanbista@yahoo.com

**Bitow**, Florian, Neurology, University Göttingen, Goßlerstraße 1b, 37073, Göttingen, Tel.: +49 151 10745411, Email: floribitow@web.de

**Blaesse**, Dr. Peter, Laboratory of Neurobiology, University of Helsinki, Viikinkaari 1, 00014, Helsinki, Finland, Tel.: +358 40 8506702, Email: peter.blaesse@helsinki.fi

**Blankenburg**, Stefanie, Zoophysiology, University of Potsdam, Institute of Biochemistry and Biology, Karl-Liebknecht-Str. 24-25, 14476, Potsdam, Tel.: +49 331 9775537, Email: sblanken@uni-potsdam.de

**Blenau**, Dr. Wolfgang, Animal Physiology, Universität Potsdam, Karl-Liebknecht-Str. 24-25, Haus 26, 14476, Potsdam, Tel.: +49 331 9775524, Email: blenau@uni-potsdam.de

**Blosa**, Maren, Department for Molecular and Cellular Mechanisms of Neurodegeneration, Paul Flechsig Institute for Brain Research, Jahnallee 59, 04109, Leipzig, Tel.: +49 341 9725723, Email: maren.blosa@medizin.uni-leipzig.de

**Blum**, Dr. Robert, Institut für Klinische Neurobiologie, Universitätsklinikum, Versbacherstr. 5, Gebäude E4, 97078, Würzburg, Tel.: +49 931 20144006, Email: Blum\_R@klinik.uni-wuerzburg.de

**Blümel**, Marcus, Tierphysiologie, Universität zu Köln, Zülpicher Str. 47b, 50674, Köln, Tel.: +49 221 4703132, Email: bluemelm@uni-koeln.de

**Bock**, Dr. Joerg, Institute of Biology, Otto von Guericke University Magdeburg, Leipziger Str. 44, 39120, Magdeburg, Tel.: +49 391 6755005, Email: joerg.bock@ovgu.de

**Boddeke**, Prof. Dr. Erik, Department of Neuroscience, University Medical Center Groningen, A. Deusinglaan 1, 9713AV, Groningen, Netherlands, Tel.: +31 50 3632701, Email: h.w.g.m.boddeke@med.umcg.nl

**Böger**, Nicole, Cell biology, University of Vet. Med. Hannover, Bischofsholer Damm 15, 30173, Hannover, Tel.: +49 511 8567766, Email: nicole.boeger@tiho-hannover.de

**Bohm**, Claudia, AG Schmitz, NWFZ, Charité Universitätsmedizin Berlin, Charitéplatz 1, 10117, Berlin, Tel.: +49 30 450639064, Email: c.boehm@charite.de

**Bolek**, Siegfried, Institute for Neurobiology, Ulm University, Albert-Einstein-Allee 11, 89081, Ulm, Tel.: +49 731 5022651, Email: siegfried.bolek@uni-ulm.de

**Bölinger**, Daniel, Visual Coding, MPI of Neurobiology, Am Klopferspitz 18, 82152, Martinsried, Tel.: +49 89 85783469, Email: boelinger@neuro.mpg.de

**Bolliger**, Gino, Institute for Biomedical Engineering, ETH Zurich, Gloriastrasse 35, 8092, Zürich, Switzerland, Tel.: +41 79 7664650, Email: bgino@ee.ethz.ch

**Bolte**, Petra, Department of Neurobiology, University Oldenburg, Carl-von-Ossietzky-Str. 9-11, 26111, Oldenburg, Tel.: +49 441 7983882, Email: PetraDonker@web.de

**Bömmel**, Dr. Heike, Institut für Anatomie und Zellbiologie, Universität Würzburg, Koellikerstr. 6, 97070, Würzburg, Tel.: +49 931 3181313, Email: heike.boemmel@mail.uni-wuerzburg.de

**Bonn**, Maria Roswitha, Institute of Anatomy and Cell Biology, University of Würzburg, Koellikerstr. 6, 97070, Würzburg, Tel.: +49 931 3180720, Email: maria.bonn@uni-wuerzburg.de

**Bonnet**, Stéphanie A. D., Molecular Neurobiology, European Neuroscience Institute-Göttingen, Grisebachstr. 5, 37077, Göttingen, Tel.: +49 176 64614631, Email: sbonnet@gwdg.de

**Borisch**, Angela, Neuropathologie, Universitätsmedizin Göttingen, Robert-Koch Str. 40, 37075, Göttingen, Tel.: +49 551 398468, Email: angela.borisch@med.uni-goettingen.de

**Bormuth**, Ingo, Center of Anatomy, Charité Berlin, Philippsstraße 12, 10115, Berlin, Tel.: +49 176 24868369, Email: ingo.bormuth@charite.de

**Born**, Prof. Jan, Neuroendokrinologie, Universität Lübeck, Ratzeburger Allee 160, 23562, Lübeck, Tel.: +49 451 5003641, Email: born@kfg.uni-luebeck.de

**Borth**, PhD Heike, Walther-Straub-Institute of Pharmacology and Toxicology, Ludwig-Maximilians-University, Goethestr. 33, 80336, München, Tel.: +49 89 218075748, Email: heike.borth@lrz.uni-muenchen.de

**Bosch**, Dr. Daniel, JRG Learning and Memory, Hertie Institute and Centre for Integrative Neuroscience, Paul-Ehrlich-Str. 15-17, 72076, Tübingen, Tel.: +49 7071 2989197, Email: bosch.daniel@gmx.de

**Both**, Dr. Martin, Neurophysiologie, Institut für Physiologie und Pathophysiologie, Im Neuenheimer Feld 326, 69123, Heidelberg, Tel.: +49 6221 544139, Email: mboth@physiologie.uni-heidelberg.de

**Boucsein**, Dr. Clemens, Faculty of Biology, Neurobiology and Biophysics, University of Freiburg, Schaenzlestr.1, 79104, Freiburg, Tel.: +49 761 2032862, Email: boucsein@biologie.uni-freiburg.de

**Braganza**, Oliver, Experimental Epileptology and Cognition Research, AG Beck, University of Bonn, Sigmund-Freud-Str. 25, 53127, Bonn, Tel.: +49 228 6885275, Email: oliver.braganza@ukb.uni-bonn.de

**Brandstaetter**, Andreas Simon, Biozentrum, Behavioral Physiology and Sociobiology, University of Würzburg, Am Hubland, 97074, Würzburg, Tel.: +49 931 3184321, Email: brandstaetter@biozentrum.uni-wuerzburg.de

**Brandstätter**, Prof. Dr. Johann Helmut, Department of Biology, Animal Physiology, University of Erlangen-Nürnberg, Staudtstr. 5, 91058, Erlangen, Tel.: +49 9131 8528054, Email: jbrandst@biologie.uni-erlangen.de

**Brandt**, Dr. Nicola, Institute of Anatomy I: Cellular Neurobiology, University Medical Center Hamburg-Eppendorf, Martinistr. 52, 20246, Hamburg, Tel.: +49 40 741052356, Email: n.brandt@uke.de

**Brandt**, Dr. Niels, Medical Faculty, Department of Biophysics, Saarland University, Uniklinikum, Geb. 76, 66421, Homburg, Tel.: +49 6421 1626214, Email: niels.brandt@gmx.de

**Brandt**, Dr. Roland, Department of Neurobiology, University of Osnabrück, Barbarastr. 11, 49076, Osnabrück, Tel.: +49 541 9692338, Email: brandt@biologie.uni-osnabrueck.de

**Branoner**, Francisco, Department of Biology, Aquatic Bioacoustics, Humboldt Universität zu Berlin, Invalidenstr. 43, 10115, Berlin, Tel.: +49 89 218074363, Email: francisco.branoner@web.de

**Braun**, Stephanie, Biologisches Institut, Abteilung Tierphysiologie, Universität Stuttgart, Pfaffenwaldring 57, 70569, Stuttgart, Tel.: +49 711 68569132, Email: stephanie.braun@bio.uni-stuttgart.de

**Braun**, Jan-Matthias, 3. Physikalisches Institut, Georg-August-Universität Göttingen, Friedrich-Hund-Platz 1, 37077, Göttingen, Tel.: +49 551 3910765, Email: jbraun@physik3.gwdg.de

**Braune**, Christian, Intelligent Data Analysis and Graphical Models, European Centre for Soft Computing, c/ Gonzalo Gutierrez Quiros s/n, 33600, Mieres, Spain, Tel.: +349 85 456545, Email: christian.rutsch@gmail.com

**Bräunig**, Prof. Dr. Peter, Institut Biologie II, RWTH Aachen, Mies-van-der-Rohe-Str. 15, 52074, Aachen, Tel.: +49 241 8020844, Email: braeunig@bio2.rwth-aachen.de



**Bremicker**, Kristina, Histology, Rudolf Boehm Institute of Pharmacology and Toxicology, University of Leipzig, Härtelstraße 16-18, 04107, Leipzig, Tel.: +49 341 9724607, Email: Kristina.Bremicker@medizin.uni-leipzig.de

**Brendel**, M. Sc. Alexander, Pathobiochemistry, University Medical Center of Mainz, Duesbergweg 6, 55099, Mainz, Tel.: +49 6131 3926805, Email: brendela@uni-mainz.de

**Brendel**, Wieland, Group for Neural Theory, Département d'Études Cognitives, Ecole normale supérieure (ENS), Rue d'Ulm 29, 75005, Paris, France, Tel.: +331 44 322636, Email: wielandbrendel@gmx.net

**Brenes**, Juan C., Experimental and Physiological Psychology, Philipps-University of Marburg, Gutenbergstr. 18, 35032, Marburg, Tel.: +49 6421 2823694, Email: brenes@staff.uni-marburg.de

**Brenneis**, PhD Christian, F.M. Kirby Neurobiology Center, Children's Hospital Boston, Harvard Medical School, 300 Longwood Ave, 12260, Boston, USA, Tel.: +1 617 5103488, Email: Christian.Brenneis@childrens.harvard.edu

**Bretzger**, Jennifer Karina, Department of Neurobiology and Genetics, University of Würzburg, Biozentrum Am Hubland, 97074, Würzburg, Tel.: +49 931 3188918, Email: j.bretzger@googlemail.com

**Breunig**, Dr. Esther, Department of Neurophysiology and Cellular Biophysics, University of Göttingen, Humboldtallee 23, 37073, Göttingen, Tel.: +49 551 3912201, Email: ebreuni@gwdg.de

**Breuninger**, Tobias, Euler Group, CIN - Centre for Integrative Neuroscience; Institute for Ophthalmic Research, Röntgenweg 11, 72076, Tübingen, Tel.: +49 7071 2984749, Email: tobias.breuninger@uni-tuebingen.de

**Brewer**, Prof. Dr. Alyssa A., Department of Cognitive Sciences, University of California, Irvine, 3151 Social Sciences Plaza, UCI, 92697, Irvine, USA, Tel.: +1 949 8241501, Email: aabrewer@uci.edu

**Brezova**, Dr. Veronika, Department of Medical Imaging and Circulation, NTNU, Ragnhildsgate 15, 07030, Trondheim, Norway, Tel.: +47 4 1755297, Email: veronika.brezova@gmail.com

**Brill**, Martin F., Biozentrum, Behavioral Physiology and Sociobiology, University of Würzburg, Am Hubland, 97074, Würzburg, Tel.: +49 931 3184335, Email: martin.brill@biozentrum.uni-wuerzburg.de

**Brix**, Britta, Institute of Pharmacology and Toxicology, University of Lübeck, Ratzeburger Allee 160, 23562, Lübeck, Tel.: +49 451 5002695, Email: britta.brix@uk-sh.de

**Brockmann**, Dr. Axel, Department of Entomology, University of Illinois at Urbana-Champaign, 505 S. Goodwin Avenue, 61801, Urbana, USA, Tel.: +1 217 2650968, Email: abrockma@illinois.edu

**Brodbeck**, David, Biologisches Institut, Abteilung Tierphysiologie, Universität Stuttgart, Pfaffenwaldring 57, 70569, Stuttgart, Tel.: +49 711 68565005, Email: d.brodbeck@stud.uni-stuttgart.de

**Brodski**, Alla, Institut für Zellbiologie und Neurowissenschaften, Goethe-Universität, Siesmayerstraße 70a, 60323, Frankfurt/Main, Tel.: +49 178 3367202, Email: aler1@gmx.de

**Broeër**, Sonja, Dept. of Pharmacology, Toxicology and Pharmacy, University of Veterinary Medicine Hannover, Bünteweg 17, 30559, Hannover, Tel.: +49 511 9538404, Email: sonja.broeer@gmail.com

**Brösicke**, Dr. Nicole, Departement of cell morphology and molecular neurobiology, Ruhr-University Bochum, Universitätsstr. 150, 44801, Bochum, Tel.: +49 234 3222828, Email: Nicole.Brosicke@rub.de

**Bruehl**, Dr. Claus, Institut für Physiologie & Pathophysiologie, Ruprecht-Karls-Universität, Im Neuenheimer Feld 326, 69120, Heidelberg, Tel.: +49 6221 544139, Email: claus.bruehl@urz.uni-heidelberg.de

**Brummelte**, Dr. Susanne, Developmental Neurosciences & Child Health, University of British Columbia, L408- 4480 Oak Street, V6H3V4, Vancouver, Canada, Tel.: +1 778 2321157, Email: sbrummelte@cw.bc.ca

**Budinger**, Dr. Eike, Auditory Learning and Speech, Leibniz Institute for Neurobiology, Brenneckestr. 6, 39118, Magdeburg, Tel.: +49 391 6263348, Email: budinger@ifn-magdeburg.de



**Buerbank**, Stefanie, Department for Otorhinolaryngology, Head and Neck Surgery/Experimental Otolaryngology, University Hospital Erlangen, Waldstr. 1, 91054, Erlangen, Tel.: +49 9131 8533810, Email: stefanie.buerbank@uk-erlangen.de

**Bufe**, Dr. Bernd, Physiologie, Universität des Saarlandes, Kirrbergerstr., Gebäude 58, 66421, Homburg, Tel.: +49 6841 1626047, Email: bernd.bufe@uks.eu

**Buhl**, Dr. Edgar, School of Biological Sciences, University of Bristol, Woodland Road, BS8 1UG, Bristol, United Kingdom, Tel.: +44 117 9545 955, Email: e.buhl@bristol.ac.uk

**Burgalossi**, Dr. Andrea, Biology, Bernstein Center for Computational Neuroscience, Philippstr.13, Haus 6,10115, Berlin, Tel.: +49 30 20936436, Email: andrea.burgalossi@bccn-berlin.de

**Bürge**, Silvio, Bio Imaging Zentrum (BIZ), Ludwig-Maximilians-Universität München (LMU), Großhadernerstr. 2-4, 82152, Martinsried, Tel.: +49 89 218074191, Email: buerge@biz.uni-muenchen.de

**Burger**, Simone, Justus-Liebig-University Gießen, Institute of Pharmacology and Toxicology, Frankfurter Str. 107, 35392, Gießen, Tel.: +49 641 9938407, Email: simone.burger@vetmed.uni-giessen.de

**Büschges**, Prof. Dr. Ansgar, Department of Animal Physiology, Zoological Institute, Zülpicher Str. 47b, 50694, Köln, Tel.: +49 221 470 2607, Email: ansgar.bueschges@uni-koeln.de

**Busse**, Daniela, Cellphysiology, Ruhr-University Bochum, Universitätsstr. 150, 44780, Bochum, Tel.: +49 234 322 6793, Email: daniela.busse@rub.de

**Busse**, Laura, Centre of Integrative Neuroscience, University Tübingen, Paul-Ehrlich Strasse 17, 72070, Tübingen, Tel.: +49 7071 2989161, Email: laura.busse@cin.uni-tuebingen.de

**Butz**, Dr. Markus, Department of Integrative Neurophysiology, VU Universiteit Amsterdam, De Boelelaan 1085, 1081HV, Amsterdam, The Netherlands, Tel.: +31 6341 48225, Email: mbutz@falw.vu.nl

## C

**Cajigas**, PhD Iván, Department of Synaptic Plasticity, Max Planck Institute for Brain Research, Max-von-Laue Straße 3, 60438, Frankfurt/Main, Tel.: +49 69 506820102, Email: ivan.cajigas@brain.mpg.de

**Calcagnoli**, Federica, Cognitive and Behavioural Neuroscience, Biology Centre, University of Groningen, P.O. Box 14, 9750 AA, Haren, Netherlands, Tel.: +31 6 15687875, Email: f.calcagnoli@rug.nl

**Callaerts**, PhD Patrick, Laboratory of Behavioral and Developmental Genetics, VIB & KULeuven, Herestraat 49, Box 602, 3000, Leuven, Belgium, Tel.: +321 16 346351, Email: patrick.callaerts@cme.vib-kuleuven.be

**Cambridge**, Dr. Sidney B., Anatomy, University of Heidelberg, Im Neuenheimer Feld 307, 69120, Heidelberg, Tel.: +49 6221 548659, Email: cambridge@ana.uni-heidelberg.de

**Cano Rodilla**, Carmen, Universität Würzburg, Lehrstuhl für Genetik und Neurobiologie, Am Galgenberg 52, 97074, Würzburg, Tel.: +49 176 27689937, Email: carmen.cano@daad-alumni.de

**Carbone**, PhD Anna Lisa, Molecular Neuroscience and Biophysics, FMP Berlin, Robert-Rössle-Straße 10, 13125, Berlin, Tel.: +49 30 94063015, Email: carbone@fmp-berlin.de

**Cardanobile**, Dr. Stefano, Bernstein Center Freiburg, University of Freiburg, Faculty of Biology, Hansastrasse 9a, 79104, Freiburg, Tel.: +49 761 2039503, Email: cardanobile@bccn.uni-freiburg.de

**Cardoso de Oliveira**, Dr. Simone, Bernstein Koordinationsstelle, Albert-Ludwigs-Universität Freiburg, Hansastr. 9a, 79104, Freiburg, Tel.: +49 761 2039583, Email: cardoso@bcos.uni-freiburg.de

**Carimalo**, PhD Julie, National Reference Center for TSE Surveillance, University Medicine Göttingen, Robert-Koch Str. 40, 37075, Göttingen, Tel.: +49 551 3914962, Email: jcarimalo@med.uni-goettingen.de



**Carney**, Karen Elizabeth, Université Victor Segalen Bordeaux 2-Neurocentre Magendie, INSERM U862: Neuron-glia relationships, Team Oliet, 146 Rue Leo Saigant, 33077, Bordeaux, France, Tel.: +331 055 7573741, Email: karen.carney@inserm.fr

**Carr**, PhD Catherine Emily, Biology, University of Maryland, Stadium Drive, 20742-4415, College Park, USA, Tel.: +1 301 4056915, Email: cecarr@umd.edu

**Carro**, Dr. Maria Stella, Neuro-oncology, Department of General Neurosurgery, University of Freiburg, Breisacherstraße 64, 79106, Freiburg, Tel.: +49 0761 2705440, Email: maria.carro@uniklinik-freiburg.de

**Cerina**, Manuela, Institut für Physiologie I, Westfälische Wilhelms-Universität Münster, Robert-Koch-Straße 27a, 48149, Münster, Tel.: +49 251 8358112, Email: manu.cerina@live.it

**Cerny**, Dr. Alexander, Biosensorics, Institute of Physiology, Garbenstr. 30, 70599, Stuttgart, Tel.: +49 711 45923063, Email: cerny@uni-hohenheim.de

**Ceschi**, Piera, Department of Otolaryngology, Medical University Hannover, Carl-Neuberg-Str. 1, 30625, Hannover, Tel.: +49 511 5329745, Email: Ceschi.Piera@mh-hannover.de

**Chagnaud**, Dr. Boris Philippe, Neurobiology and Behavior, Cornell University, Tower road, 14850, Ithaca, USA, Tel.: +1 607 2620103, Email: b.chagnaud@gmail.com

**Chai**, Dr. Xuejun, Institut of Anatomie and Cell Biologie, University of Freiburg, Albertstr.17, 79110, Freiburg, Tel.: +49 761 2039526, Email: xuejun.chai@anat.uni-freiburg.de

**Chakrabarti**, Dr. Shubo, Sensorimotor group, Deutsches Primatenzentrum, Kellnerweg 4, 37077, Göttingen, Tel.: +49 551 3851342, Email: schakrabarti@dpz.eu

**Chamero**, PhD Pablo, Physiology, University of Saarland, Kirrbergerstr. Gebäude 45.2, 66424, Homburg, Tel.: +49 6841 1626583, Email: pablo.chamero@uks.eu

**Chang**, Le, AG Euler, Centre for Integrative Neuroscience (CIN) / Institute for Ophthalmic Research, Röntgenweg 11, 72076, Tübingen, Tel.: +49 7071 2985029, Email: stevenandhisfriends@gmail.com

**Charalambous**, Dr. Petar, Department of Molecular Embryology, Institute of Anatomy and Cell Biology, Albertstr. 17, 79104, Freiburg, Tel.: +49 761 2035108, Email: petar.charalambous@anat.uni-freiburg.de

**Chen**, PhD Yi-chun, Lehrstuhl für Genetik, Institut für Biologie, Talstr. 33, 04103, Würzburg, Tel.: +49 931 3188043, Email: chen.yi-chun@biozentrum.uni-wuerzburg.de

**Chen**, Chien-Cheng, Department of Neurology, University Hospital Zürich, Frauenklinikstr. 26, 08091, Zürich, Switzerland, Tel.: +41 44 442555564, Email: Chien-Cheng.Chen@usz.ch

**Chenkov**, Nikolay, Institute for Theoretical Biology, Theoretical Neuroscience Lab, BCCN-Berlin, Invalidenstr. 43, 10115, Berlin, Tel.: +49 163 9371227, Email: nikolay.chenkov@bccn-berlin.de

**Chiovetto**, Dr. Enrico, Section for Computational Sensomotrics, Department of Cognitive Neurology, Hertie Institute for Clinical Brain Research and University Clinic Tübingen, Frondsbergstr., 23, 72070, Tübingen, Tel.: +49 176 38475992, Email: enrico.chiovetto@klinikum.uni-tuebingen.de

**Chistyakova**, Marina, Psychology, University of Connecticut, 406 Babbidge Road, 06269-1020, Storrs, CT, USA, Tel.: +1 860 4866825, Email: maxim.volgushev@uconn.edu

**Chorev**, PhD Edith, Tierphysiologie, BCCN Berlin, Humboldt-Universität, Philippstr. 13, Haus 6, 10115, Berlin, Tel.: +49 30 20936713, Email: edith.chorev@bccn-berlin.de

**Christ**, Peter, Tierphysiologie, Philipps-Universität Marburg, Karl-von-Frisch-Str. 8, 35043, Marburg, Tel.: +49 6421 2823405, Email: christpe@students.uni-marburg.de

**Cichon**, Nicole, Developmental Neurophysiology, Center for Molecular Neurobiology, Falkenried 94, 20251, Hamburg, Tel.: +49 40 741056605, Email: nicole.cichon@zmnh.uni-hamburg.de

**Cichy**, Annika, Chemosensation, RWTH Aachen, Institute Biology II, Worringerweg 1, 52074, Aachen, Tel.: +49 241 8020805, Email: a.cichy@sensorik.rwth-aachen.de

**Claussen**, Dr. Jens Christian, Institut f. Neuro- und Bioinformatik, University of Lübeck, Ratzeburger Allee 160, 23562, Lübeck, Tel.: +49 451 5005412, Email: claussen@inb.uni-luebeck.de

**Clemens**, Jan, Institut für Biologie, Verhaltensphysiologie, Humboldt-Universität zu Berlin, Invalidenstr. 43, 10115, Berlin, Tel.: +49 30 20938777, Email: clemensj@biologie.hu-berlin.de

**Clement**, Dr. Albrecht M., Institute for Pathobiochemistry, University Medical Center Mainz, Duesbergweg 6, 55128, Mainz, Tel.: +49 6131 3925793, Email: clement@uni-mainz.de

**Coiro**, Dr. Pierluca, Institut für Zell- und Neurobiologie, Charité, Phillipstr. 12, 10115, Berlin, Tel.: +49 30 450528343, Email: pierluca.coiro@charite.de

**Conrad**, Rebecca, Group of Molecular Cellbiology, Department of Cell Morphology and Molecular Neurobiology, Universitätsstr. 150, 44780, Bochum, Tel.: +49 234 3222517, Email: Rebecca.Conrad@rub.de

**Cooke**, PhD Ria Mishaal, Cell Physiology and Pharmacology, University of Leicester, University Road, LE1 9HN, Leicester, United Kingdom, Tel.: +44 7530 290967, Email: rmc24@le.ac.uk

**Couchman**, Kiri Anne, Division of Neurobiology, Ludwigs-Maximilian University, Großhaderner Str. 2, 82152, München, Tel.: +49 89 218074369, Email: couchman@bio.lmu.de

**Coulon**, Dr. Philippe, Institut für Physiologie I, Westfälische Wilhelms-Universität, Robert-Koch-Str. 27a, 48149, Münster, Tel.: +49 251 8355531, Email: coulou@uni-muenster.de

**Cui**, Dr. Yi-Fang, Clinical Neurobiology Laboratory, Deutsches Primatenzentrum GmbH, Kellnerweg 4, 37077, Göttingen, Tel.: +49 551 385 1134, Email: y.cui@cni-dpz.de

## D

**D'Albis**, Dr. Tiziano, Neuroinformatics & Theoretical Neuroscience, Freie Universität Berlin, Königin-Luise-Str. 1-3, 14195, Berlin, Tel.: +49 30 838 56692, Email: tiziano.dalbis@gmail.com

**Dallenga**, Tobias, Institute of Neuropathology, University Medical Center, Göttingen, Robert-Koch-Str. 40, 37099, Göttingen, Tel.: +49 551 398467, Email: tobias.dallenga@med.uni-goettingen.de

**D'Amato**, Dr. Francesca R., Behavioral Neuroscience, CNR, Neuroscience Institute, Via del Fosso di Fiorano 64, 00143, Roma, Italy, Tel.: +39 6 501 703276, Email: francesca.damato@cnr.it

**Dambach**, M. Sc. Hannes, Abteilung für Neuroanatomie und Molekulare Hirnforschung, Ruhr-Universität Bochum, Universitätsstr. 150, 44780, Bochum, Tel.: +49 234 322 5003, Email: Hannes.Dambach@rub.de

**Damen**, Daniela, Department of Molecular Neurobiochemistry, Ruhr-Universität Bochum, Universitätsstr. 150, 44780, Bochum, Tel.: +49 234 322 6758, Email: daniela.damen@rub.de

**Daniel**, Julia, Institute of Physiology, Otto-von-Guericke University, Faculty of Medicine, Leipziger Str. 44, 39120, Magdeburg, Tel.: +49 391 671 5811, Email: Julia.Daniel@med.ovgu.de

**Dasgupta**, Sakyasingha, Department of non linear dynamics, Max Planck Institute for Dynamics and Self Organization, PO Box 2853, 37073, Göttingen, Tel.: +49 551 5176448, Email: sakya.dasgupta@gmail.com

**Daur**, Dr. Nelly, Whitney Laboratory for Marine Bioscience, University of Florida, 9505 Ocean Shore Blvd., 32080, St. Augustine, USA, Tel.: +1 904 3771773, Email: ndaur@gmx.net

**de Camp**, Nora Vanessa, Neurobiology, FU Berlin, Königin-Luise-Str.28/30, 14195, Berlin, Tel.: +49 151 5743 6490, Email: ndecamp@zedat.fu-berlin.de

**de Marco**, PhD Rodrigo J., Developmental Genetics of Nervous System, Max Planck Institute, Jahnstr. 29, 69120, Heidelberg, Tel.: +49 6221 486159, Email: rodrigo.de.marco@mpimf-heidelberg.mpg.de

**de Monasterio-Schrader**, Patricia, Department of Neurogenetics, MPI of Experimental Medicine, Hermann-Rein Str. 3, 37075, Göttingen, Tel.: +49 551 3899741, Email: monasterio@em.mpg.de



**Dedek**, Dr. Karin, Neurobiology, University of Oldenburg, PO Box 2503, 26111, Oldenburg, Tel.: +49 441 7983425, Email: karin.dedek@uni-oldenburg.de

**Degenaar**, Dr. Patrick, School of Electrical, Electronic and Computer Engineering, Newcastle University, Merz Court, NE1 7RU, Newcastle upon Tyne, United Kingdom, Tel.: +44 191 2228917, Email: patrick.degenaar@ncl.ac.uk

**Deger**, Moritz, Bernstein Center Freiburg, Albert-Ludwig University, Freiburg, Hansastr. 9A, 79104, Freiburg, Tel.: +49 761 2039503, Email: deger@bcf.uni-freiburg.de

**Dehmelt**, Florian A., Laboratoire de Neurosciences Cognitives - Inserm U960, Ecole Normale Supérieure (Paris), 29 rue d'Ulm, 75005, Paris, France, Tel.: +33 1 42 844953, Email: florian.dehmelt@ens.fr

**Deisig**, Dr. Nina, UMR 1272 Physiologie de l'Insecte: Signalisation et Communication, INRA Versailles, Route de St. Cyr, 78026, Versailles cedex, France, Tel.: +33 1 30 833545, Email: nina.deisig@versailles.inra.fr

**Deitmer**, Dr. Joachim W., Allgemeine Zoologie, TU Kaiserslautern, P.O. Box 3049, 67653, Kaiserslautern, Tel.: +49 631 2052877, Email: deitmer@biologie.uni-kl.de

**del Campo Milan**, M. Sc. Marta, Clinical Chemistry, VU medical center, De Boelelaan 1118, 1081HZ, Amsterdam, Netherlands, Tel.: +31 20 4443870, Email: m.delcampomilan@vumc.nl

**Delekate**, Andrea, Zoological Institute, Cellular Neurobiology, TU Braunschweig, Spielmannstraße 7, 38106, Braunschweig, Tel.: +49 531 3913227, Email: a.delekate@tu-bs.de

**Delille**, Hannah K., Neuroscience Research, Abbott GmbH & Co. KG, Knollstr. 50, 67061, Ludwigshafen, Tel.: +49 621 5892585, Email: hannah.delille@abbott.com

**Demuth**, Prof. Dr. Hans-Ulrich, Biocenter, Probiodrug AG, Weinbergweg 22, 06120, Halle (Saale), Tel.: +49 345 5559900, Email: hans-ulrich.demuth@probiodrug.de

**Denker**, Dr. Michael, Laboratory for Statistical Neuroscience, RIKEN Brain Science Institute, 2-1 Hirosawa, 351-0198, Wako-shi, Japan, Tel.: +81 48 4679644, Email: mdenker@brain.riken.jp

**Depner**, Manfred, Experimental Otolaryngology, University of Erlangen-Nürnberg, Waldstr. 1, 91054, Erlangen, Tel.: +49 9131 8533810, Email: manfred.depner@uk-erlangen.de

**Devaud**, Dr. Jean-Marc, Research Center on Animal Cognition, CNRS/Paul Sabatier University, 118 route de Narbonne, 31062, Toulouse, France, Tel.: +33 5 61556762, Email: devaud@cict.fr

**Diegelmann**, Dr. Sören, Department of Genetics and Neurobiology, University of Würzburg, Biozentrum, Am Hubland, 97074, Würzburg, Tel.: +49 931 3188918, Email: soeren.diegelmann@uni-wuerzburg.de

**Diepenbrock**, Jan-Philipp, Neuroprostheses, Leibniz Institut for Neurobiology, Brenneckestr. 6, 39118, Magdeburg, Tel.: +49 391 6263360, Email: jdiepenb@ifn-magdeburg.de

**Diesmann**, Dr. Markus, Laboratory for Computational Neurophysics, RIKEN Brain Science Institute, 2-1 Hirosawa, 351-0198, Wako City, Japan, Tel.: +81 48 4675971, Email: diesmann@brain.riken.jp

**Diestel**, Dr. Simone, Department of Biochemistry, University of Bonn, Institute of Animal Sciences, Katzenburgweg 9a, 53115, Bonn, Tel.: +49 228 733812, Email: s.diestel@uni-bonn.de

**Diester**, PhD Ilka, Bioengineering, Stanford University, 318 Campus Drive, W080 Clark Center, 94305, Stanford, USA, Tel.: +1 650 5213743, Email: diester@stanford.edu

**Dippel**, Stefan, Abteilung Entwicklungsbiologie, Georg-August-Universität Göttingen, Johann-Friedrich-Blumenbach-Institut für Zoologie, Justus-von-Liebig-Weg 11, 37077, Göttingen, Tel.: +49 551 307037, Email: dpl13@gmx.de

**Dirnagl**, Prof. Dr. Ulrich, Fachbereich Psychologie, Philipps-Universität Marburg, Gutenbergstr. 18, 35032, Marburg, Tel.: +49 6421 2823639, Email: schwarti@staff.uni-marburg.de

**Disteldorf**, Barbara, Department of Biophysics, Saarland University, Kirrberger Straße, Gebäude 76, 66424, Homburg, Tel.: +49 6841 1626214, Email: disteldorf.barbara@web.de

**Dityatev**, PhD Alexander, Department of Neuroscience and Brain Technologies, Fondazione Istituto Italiano di Tecnologia, via Morego 30, 16163, Genova, Italy, Tel.: +39 10 71781515, Email: alexander.dityatev@iit.it

**Dockery**, Colleen A., University of Tübingen, Institute of Medical Psychology and Behavioral Neurobiology, Gartenstr. 29, 72074, Tübingen, Tel.: +49 1742452047, Email: colleen.dockery@uni-tuebingen.de

**Dollezal**, Lena-Vanessa, Animal Physiology and Behaviour Group, IBU, Carl-von-Ossietzky University Oldenburg, Carl-von-Ossietzky-Str. 9-11, 26129, Oldenburg, Tel.: +49 441 7983092, Email: lena.vanessa.dollezal@uni-oldenburg.de

**Domschke**, Prof. Dr. Dr. Katharina, Department of Psychiatry, University of Münster, Albert-Schweitzer-Str. 11, 48149, Münster, Tel.: +49 251 8356677, Email: katharina.domschke@ukmuenster.de

**Donat**, Dr. Cornelius Kurt, Forschungsstandort Leipzig -Interdisziplinäre Isotopenforschung, Forschungszentrum Dresden - Rossendorf e. V., Permoserstr. 15, 04318, Leipzig, Tel.: +49 341 2353695, Email: c.donat@fzd.de

**Döngi**, Dr. Michael, Institut für Physiologie I, Robert-Koch-Str. 27 a, 48149, Münster, Tel.: +49 251 8355531, Email: m.doengi@uni-muenster.de

**Donkels**, Catharina, Allgemeine Neurochirurgie/Experimentelle Epilepsieforschung, Universitätsklinikum Freiburg, Breisacherstr. 64, 79106, Freiburg, Tel.: +49 761 2705358, Email: catharina.donkels@uniklinik-freiburg.de

**Donoso**, Jose R., Institute for Theoretical Biology, Humboldt-Universität zu Berlin, Invalidenstr. 43, 10115, Berlin, Tel.: +49 30 20938926, Email: jose.donoso@bccn-berlin.de

**Dorgau**, Birthe, Neurobiology, University Oldenburg, 26111, Oldenburg, Tel.: +49 441 7893736, Email: birthe.dorgau@uni-oldenburg.de

**Doron**, Guy, Bernstein Center for Computational Neuroscience, Humboldt University Berlin, Philippstr. 13, House 6, 10115, Berlin, Tel.: +49 30 20936421, Email: guy.doron@bccn-berlin.de

**Draguhn**, Prof. Andreas, Neurophysiology, Institute of Physiology and Pathophysiology, Im Neuenheimer Feld 326, 69120, Heidelberg, Tel.: +49 6221 544056, Email: andreas.draguhn@physiologie.uni-heidelberg.de

**Drakew**, Dr. Alexander, Abteilung Neuroanatomie, Institut für Anatomie und Zellbiologie, Hansastr. 9a, 79104, Freiburg, Tel.: +49 761 2039505, Email: alexander.drakew@anat.uni-freiburg.de

**Dresbach**, Dr. Thomas, Center of Anatomy, Department of Anatomy and Embryology, University of Göttingen Medical School, Kreuzberggring 36, 37075, Göttingen, Tel.: +49 551 397004, Email: thomas.dresbach@med.uni-goettingen.de

**Drolet**, Matthis, Cognitive Ethology, German Primate Center, Kellnerweg 4, 37077, Göttingen, Tel.: +49 551 3851475, Email: mdrolet@dpz.eu

**Dumoulin**, Dr. Serge O., Experimental Psychology, Utrecht University, Heidelberglaan 2, 3584 CS, Utrecht, The Netherlands, Tel.: +31 30 2533824, Email: s.o.dumoulin@uu.nl

**Dupuy**, Dr. Fabienne, Department of Zoology, University of Cambridge, Downing Street, CB2 3EJ, Cambridge, United Kingdom, Tel.: +44 1223 336637, Email: fyd20@cam.ac.uk

**Duray**, Dr. Borbala Nora, Department of Anatomy and Neuroscience, Vrije University Medical Center, van der Boechorststraat 7, 1080 BT, Amsterdam, Netherlands, Tel.: +31 20 4448040, Email: b.duray@vumc.nl

**Dürr**, Prof. Volker, Department Biological Cybernetics, Bielefeld University, PO Box 100131, 33501, Bielefeld, Tel.: +49 521 1065528, Email: volker.duerr@uni-bielefeld.de

## E

**Ebaid**, Dr. Hossam, Department of Zoology, College of Science, King Saud University, 2455, 11451, Riyadh, Saudi Arabia, Tel.: +966 1 4673465, Email: hossamebaid@yahoo.com



**Eberhard**, Dr. Monika J. B., Department of Biology, Behavioural Physiology Group, Humboldt-Universität zu Berlin, Invalidenstr. 43, 10115, Berlin, Tel.: +49 30 20938613, Email: [Monika.Eberhard@biologie.hu-berlin.de](mailto:Monika.Eberhard@biologie.hu-berlin.de)

**Eberle**, Julia, Institute of Physiology 230a, University of Hohenheim, August-von-Hartmann Straße 3, 70599, Stuttgart, Tel.: +49 711 45924374, Email: [eberlejulia@web.de](mailto:eberlejulia@web.de)

**Eckart**, Dr., Moritz Thede, Psychologie, Philipps-Universität Marburg, Gutenbergstraße 18, 35037, Marburg, Tel.: +49 6421 2823646, Email: [eckart@staff.uni-marburg.de](mailto:eckart@staff.uni-marburg.de)

**Eckenstaler**, Robert, Institute of Physiology, Otto-von-Guericke University, Leipziger Straße 44, 39120, Magdeburg, Tel.: +49 391 6715811, Email: [robert.eckenstaler@med.ovgu.de](mailto:robert.eckenstaler@med.ovgu.de)

**Edelmann**, Dr. Elke, Institute of Physiology, Otto-von-Guericke University, Leipziger Straße 44, 39120, Magdeburg, Tel.: +49 391 6713677, Email: [elke.edelmann@med.ovgu.de](mailto:elke.edelmann@med.ovgu.de)

**Efetova**, Dr. Marina, Emmy Noether Nachwuchsgruppe, Biologische Gedächtnisse, Freie Universität Berlin, Takustr. 6, 14195, Berlin, Tel.: +49 30 83856976, Email: [Marina.Efetova@fu-berlin.de](mailto:Marina.Efetova@fu-berlin.de)

**Egorov**, Dr. Alexei V., Institute of Physiology and Pathophysiology, University of Heidelberg, Im Neuenheimer Feld 326, 69120, Heidelberg, Tel.: +49 6221 544053, Email: [alexei.egorov@urz.uni-heidelberg.de](mailto:alexei.egorov@urz.uni-heidelberg.de)

**Ehret**, Prof. Dr. Günter, Institute of Neurobiology, University of Ulm, Albert-Einstein-Allee 11, 89069, Ulm, Tel.: +49 731 5022628, Email: [guenter.ehret@uni-ulm.de](mailto:guenter.ehret@uni-ulm.de)

**Ehrlich**, Dr. Ingrid, JRG Learning and Memory, Hertie Institute and Centre for Integrative Neuroscience, Paul-Ehrlich-Str. 15-17, 72076, Tübingen, Tel.: +49 7071 2989189, Email: [ingrid.ehrlich@uni-tuebingen.de](mailto:ingrid.ehrlich@uni-tuebingen.de)

**Eickhoff**, René, Division of Cell Biology, University of Veterinary Medicine Hannover, Bischofsholer Damm 15/102, 30173, Hannover, Tel.: +49 511 8567768, Email: [rene.eickhoff@tiho-hannover.de](mailto:rene.eickhoff@tiho-hannover.de)

**Eilert**, John-Christian, BiImaging Zentrum, Ludwig-Maximilians Universität München, Großhadener Straße 2-4, 82152, Martinsried, Tel.: +49 89 218074190, Email: [eilert@biz.uni-muenchen.de](mailto:eilert@biz.uni-muenchen.de)

**Einevoll**, Dr. Gaute T., Mathematical Sciences and Technology, Norwegian University of Life Sciences, POBox 5003, 01432, Aas, Norway, Tel.: +47 95 124536, Email: [Gaute.Einevoll@umb.no](mailto:Gaute.Einevoll@umb.no)

**Einhäuser**, Prof. Dr. Wolfgang, Neurophysics, Philipps-Universität Marburg, Karl-von-Frisch-Str. 8a, 35032, Marburg, Tel.: +49 6421 2824164, Email: [wet@physik.uni-marburg.de](mailto:wet@physik.uni-marburg.de)

**Ejaz**, Naveed, Department of Bioengineering, Imperial College London, Princes Consort Road, SW7 2AZ, London, United Kingdom, Tel.: +44 75 31193139, Email: [nejaz@imperial.ac.uk](mailto:nejaz@imperial.ac.uk)

**el Jundi**, Basil, Neurobiology/Ethology, Philipps University Marburg, Karl-von-Frisch-Str. 8, 35032, Marburg, Tel.: +49 6421 2823380, Email: [eljundib@staff.uni-marburg.de](mailto:eljundib@staff.uni-marburg.de)

**El-Kordi**, Ahmed, Clinical Neuroscience, Max Planck Institute of Experimental Medicine, Hermann-Rein-Str.3, 37075, Göttingen, Tel.: +49 551 3988585, Email: [kordi@em.mpg.de](mailto:kordi@em.mpg.de)

**Elliott**, Dr. Christopher, Biology, University of York, Heslington, YO10 5DD, York, United Kingdom, Tel.: +44 1904 328654, Email: [cje2@york.ac.uk](mailto:cje2@york.ac.uk)

**Ellisman**, Dr. Mark H., Neuroscience, UCSD, 9500 Gilman Dr. MC0608, 92093-0608, La Jolla, USA, Tel.: +1 858 5342251, Email: [mark@ncmir.ucsd.edu](mailto:mark@ncmir.ucsd.edu)

**Elsner**, Prof. Dr. Norbert, Blumenbach-Institut für Zoologie und Anthropologie, Abt. Neurobiologie, Universität Göttingen, Berliner Straße 28, 37073, Göttingen, Tel.: +49 551 8209814, Email: [nelsner@gwdg.de](mailto:nelsner@gwdg.de)

**Endepols**, Dr. Heike, Multimodal Imaging, Max Planck Institute for Neurological Research, Gleueler Str. 50, 50931, Köln, Tel.: +49 221 4726227, Email: [heike.endepols@nf.mpg.de](mailto:heike.endepols@nf.mpg.de)

**Endres**, Dr. Thomas, Institute of Physiology, Otto-von-Guericke University, Leipziger Str. 44, 39120, Magdeburg, Tel.: +49 391 6713687, Email: [thomas.endres@med.ovgu.de](mailto:thomas.endres@med.ovgu.de)

**Endres**, Dr. Dominik M., Theoretical Sensomotrics, Cognitive Neurology, Hertie Institute for Clinical Brain Research and Center for Integrative Neuroscience, Frondsbergstr 23, 72070, Tübingen, Tel.: +49 163 8737892, Email: dominik.endres@klinikum.uni-tuebingen.de

**Engel**, Dr. Jutta, Medical Faculty, Dept. of Biophysics, Saarland University, Building 76, 66421, Homburg, Tel.: +49 6841 1626202, Email: jutta.engel@uks.eu

**Engel**, Prof. Dr. Andreas K., Institut für Neuro- und Pathophysiologie, Uniklinikum Hamburg-Eppendorf, Martinistr. 52, 20246, Hamburg, Tel.: +49 40 42803 6170, Email: ak.engel@uke.uni-hamburg.de

**Engelhorn**, Achim, BioFuture Research Group, Leibniz Institute for Neurobiology, Brennekestraße 6, 39118, Magdeburg, Tel.: +49 391 6263344, Email: achim.engelhorn@ifn-magdeburg.de

**Eppler**, Jochen Martin, Institute of Neuroscience and Medicine, Computational and Systems Neuroscience, Forschungszentrum Jülich GmbH, Leo-Brandt-Straße, 52428, Jülich, Tel.: +49 2461 611944, Email: j.eppler@fz-juelich.de

**Erdmann**, PhD Frank, Institut für Physiologie 1, Westfälische Wilhelms-Universität Münster, Robert-Koch-Str. 27a, 48149, Münster, Tel.: +49 251 8355583, Email: erdmannf@uni-muenster.de

**Erdmann**, PhD Jessika, Institut für Biologie-Neurobiologie, Freie Universität Berlin, Königin-Luise Straße 28/30, 14195, Berlin, Tel.: +49 30 83856282, Email: jerdmann@live.de

**Erisken**, Sinem Mujgan, Center for Integrative Neuroscience, University of Tübingen, Paul-Ehrlich Str 17, 72076, Tübingen, Tel.: +49 7071 2989165, Email: sinem.erisken@gmail.com

**Eschbach**, Claire, Lehrstuhl für Genetik, Universität Leipzig - Institut für Biologie, Talstr. 33, 04103, Leipzig, Tel.: +49 176 62510371, Email: claire.eschbach@stud-mail.uni-wuerzburg.de

**Esser**, Dr. Karl-Heinz, Institute of Zoology, University of Veterinary Medicine Hannover, Bünteweg 17, 30559, Hannover, Tel.: +49 511 9538420, Email: kalle.esser@tiho-hannover.de

**Estrada**, Dr. Veronica, Department of Neurology, University of Düsseldorf, Molecular Neurobiology Laboratory, Moorenstr. 5, 40225, Düsseldorf, Tel.: +49 211 8114437, Email: veronica.estrada@uni-duesseldorf.de

**Eysel**, Prof. Dr. Ulf, Prorektor für Forschung und Struktur, Ruhr-Universität Bochum, 44780, Bochum, Tel.: +49 2343227045, Email: eyssel@rub.de

## F

**Faghihi**, Faramarz, III. Physics - Computational Neuroscience, University of Göttingen, Friedrich-Hund Platz 1, 37077, Göttingen, Tel.: +49 551 10762, Email: faghihi@physik3.gwdg.de

**Faissner**, Prof. Dr. Andreas, Dept. Cell Morphology and Molecular Neurobiology, Ruhr-University, Building NDEF 05/594, Universitätsstr. 150, 44801, Bochum, Tel.: +49 234 3223851, Email: andreas.faissner@rub.de

**Falkner**, Susanne, Prof. Bonhoeffer, Max Planck Institut für Neurobiologie, Am Klopferspitz 18, 82152, Martinsried, Tel.: +49 89 85783683, Email: sfalkner@neuro.mpg.de

**Fallgatter**, Prof. Dr. Andreas J., Dept. of Psychiatry and Psychotherapy, University of Tübingen, Osianderstr. 24, 72076, Tübingen, Tel.: +49 7071 2982300, Email: Andreas.Fallgatter@med.uni-tuebingen.de

**Farca Luna**, Dr. Abud, Molecular Neurobiology of Behavior, Georg-August-Universität Göttingen, c/o ENI, Grisebachstr. 5, 37077, Göttingen, Tel.: +49 551 10722, Email: fabud@gwdg.de

**Fatouros**, M. Sc., Polychronis, Regulatory Networks, AG Schmidt, Albert Ludwig University of Freiburg, ZBSA, Habsburgerstr. 49, 79104, Freiburg, Tel.: +49 761 20397156, Email: pf41@biologie.uni-freiburg.de

**Faust**, Michael, Dept. II, Faculty of Biology, LMU München, Großhaderner Str 2, 82152, Martinsried, Tel.: +49 89 218074349, Email: michaelfaust@gmx.net



**Fazeli**, Sepideh, Cognitive Neuroscience Lab, German Primate Center (DPZ), Kellnerweg 4, 37077, Göttingen, Tel.: +49 551 3851354, Email: sfazeli@dpz.eu

**Feenders**, Dr. Gesa, Institute of Neuroscience, Newcastle University, Framlington Place, NE2 4HH, Newcastle, United Kingdom, Tel.: +44 191 2228843, Email: gesa.feenders@newcastle.ac.uk

**Feldmeyer**, Prof. Dr. Dirk, Department of Psychiatry and Psychotherapy, Function of Cortical Microcircuits Group, RWTH Aachen University and Research Centre Jülich, Pauwelstr. 30, 52074, Aachen, Tel.: +49 2461 615226, Email: dfeldmeyer@ukaachen.de

**Felmy**, Dr. Felix, Division of Neurobiology, Ludwig-Maximilians-Universität, Großhaderner Str. 2, 82152, München, Tel.: +49 89 218074316, Email: felmy@zi.biologie.uni-muenchen.de

**Felsenberg**, Johannes, Neurobiology, Freie Universität Berlin, Königin-Luise-Straße 28/30, 14195, Berlin, Tel.: +49 30 83856454, Email: johannesfelsenberg@gmx.de

**Fendt**, Markus, Neuroscience Research, Novartis Institutes for BioMedical Research, WSJ-386.3.28, 04056, Basel, Switzerland, Tel.: +41 61 3241042, Email: markus.fendt@novartis.com

**Ferger**, Roland, Department of Zoology and Animal Physiology, Institute for Biology II, RWTH Aachen University, Mies-van-der-Rohe-Straße 15, 52056, Aachen, Tel.: +49 179 9198753, Email: roland@bio2.rwth-aachen.de

**Fester**, Dr. Lars, Institute of Anatomy I: Cellular Neurobiology, University Medical Center Hamburg-Eppendorf, Martinistr. 52, 20246, Hamburg, Tel.: +49 40 741053577, Email: lfester@uke.uni-hamburg.de

**Feuerstein**, Dr. Delphine, Multimodal Imaging, MPI für neurologische Forschung, Gleueler Straße 50, 50931, Köln, Tel.: +49 221 4726253, Email: dfeuerstein@nf.mpg.de

**Fiala**, Dr. André, Molecular Neurobiology of Behavior, Georg-August-Universität Göttingen, c/o ENI, Grisebachstr. 5, 37077, Göttingen, Tel.: +49 551 393356, Email: afiala@gwdg.de

**Fillbrandt**, Antje, Auditory Learning and Speech, Leibniz-Institut für Neurobiologie, Brennekestr. 6, 39118, Magdeburg, Tel.: +49 391 6263344, Email: antje.fillbrandt@ifn-magdeburg.de

**Firzlaff**, Dr. Uwe, Lehrstuhl für Zoologie, TU München, Liesel-Beckmann-Str. 4, 85350, Freising, Tel.: +49 8161 712803, Email: uwe.firzlaff@wzw.tum.de

**Fisch**, Karin, Department Biologie II, Ludwig-Maximilians-Universität München, Großhaderner Str. 2, 82152, Martinsried, Tel.: +49 89 218074817, Email: fisch@bio.lmu.de

**Fischer**, Prof. Dr. Julia, Cognitive Ethology Lab, German Primate Center and University of Göttingen, Kellnerweg 4, 37077, Göttingen, Tel.: +49 551 3851375, Email: fischer@cog-ethol.de

**Fischer**, Johannes, AG Grünewald, Institut für Bienenkunde, Siesmayerstraße 70, 60323, Frankfurt/Main, Tel.: +49 6171 21278, Email: johfisch@stud.uni-frankfurt.de

**Fischer**, Sandra, Computational Vision and Neuroscience, Bernstein Center Tübingen, Speemannstr 41, 72076, Tübingen, Tel.: +49 7071 2973659, Email: sfischer@neuroschool.uni-tuebingen.de

**Fischer**, Dr. André, Laboratory for Aging and Cognitive Diseases, European Neuroscience Institute, Grisebach Str 5, 37077, Göttingen, Tel.: +49 551 3910378, Email: afische2@gwdg.de

**Fleischer**, Dr. Joerg, University of Hohenheim, Institute of Physiology, August-von-Hartmann-Straße 3, 70599, Stuttgart, Tel.: +49 711 45922270, Email: joergf@uni-hohenheim.de

**Flor**, Prof. Dr. Herta, Institut für Neuropsychologie und Klinische Psychologie, Universität Heidelberg, Zentralinstitut für Seelische Gesundheit, J 5, 68159, Mannheim, Tel.: 49 621 17036302, Email: Herta.Flor@zi-mannheim.de

**Florez Weidinger**, Juan Daniel, Nonlinear dynamics, Max Planck Institute for Dynamics and Selforganization, Bunsenstraße 10, 37073, Göttingen, Tel.: +49 551 3036700, Email: chepe@nld.ds.mpg.de

**Fluegge**, Daniela, Chemosensation, RWTH Aachen, Worringer Weg 1, 52074, Aachen, Tel.: +49 241 8020803, Email: D.Fluegge@sensorik.rwth-aachen.de



**Fluegge**, PhD Gabriele, Clinical Neurobiology, German Primate Center, Kellnerweg 4, 37077, Göttingen, Tel.: +49 551 3851133, Email: gfluegg@gwdg.de

**Ford**, Marc Christopher, Division of Neurobiology, Department Biology II, LMU München, Großhaderner Str. 2, 82152, Martinsried, Tel.: +49 89 218074354, Email: ford@bio.lmu.de

**Förster**, Dr. Eckart, Institute of Anatomy, University of Hamburg, Martinistr. 52, 20246, Hamburg, Tel.: +49 40 741053580, Email: efoerste@uke.uni-hamburg.de

**Frank**, Sergius, Tierphysiologie, Philipps-Universität Marburg, Karl-von-Frisch-Straße 8, 35043, Marburg, Tel.: +49 6421 2823405, Email: frankser@students.uni-marburg.de

**Franke**, Dr. Heike, Histology, Rudolf Boehm Institute of Pharmacology and Toxicology, University of Leipzig, Härtelstr. 16-18, 04107, Leipzig, Tel.: +49 341 9724602, Email: Heike.Franke@medizin.uni-leipzig.de

**Franken**, PhD Gilbert Werner Walter, Neurochemistry, IfN, Brenneckestr. 6, 39118, Magdeburg, Tel.: +49 391 5861438, Email: gilbert\_f@web.de

**Franzoni**, Eleonora, Centrum für Anatomie- Institute für Zell- und Neurobiologie, Charité - Universitätsmedizin Berlin, Phillipstraße 12, 10117, Berlin, Tel.: +49 30 450528124, Email: eleonora.franzoni@charite.de

**Frässle**, Stefan, Neurophysics, Philipps-University Marburg, Karl-von-Frisch-Str. 8a, 35032, Marburg, Tel.: +49 6421 2824176, Email: fraessle@students.uni-marburg.de

**Frech**, Dr. Moritz Johannes, Albrecht-Kossel-Institute for Neuroregeneration, University of Rostock, Gehlsheimerstr. 20, 18147, Rostock, Tel.: +49 381 4944886, Email: moritz.frech@uni-rostock.de

**Fredrich**, PhD Michaela, Department of Otorhinolaryngology, Neurobiological Research Laboratory, University of Freiburg, Kilianstr.5, 79106, Freiburg, Tel.: +49 761 2704265, Email: michaela.fredrich@uniklinik-freiburg.de

**Friauf**, Dr. Eckhard, Biology, Animal Physiology Group, POB 3049, 67653, Kaiserslautern, Tel.: +49 631 2052424, Email: eckhard.friauf@biologie.uni-kl.de

**Fricker**, Dr. Desdemona, Pitié-Salpêtrière hospital, CRICM, 105 Bd. de l'hôpital, 75013, Paris, France, Tel.: +33 1 40 778162, Email: desdemona.fricker@upmc.fr

**Friebe**, Dr. med. Katharina, Neurology, University Hospital Göttingen, Robert-Koch-Straße 40, 37075, Göttingen, Tel.: +49 178 1454165, Email: katharina.friebe@gmail.com

**Froriep**, Ulrich Paul, BCF Freiburg and IMTEK, University of Freiburg, Hansastr. 9a, 79104, Freiburg, Tel.: +49 761 2039574, Email: froriep@bcf.uni-freiburg.de

**Frotscher**, Prof. Dr. Michael, Institut für Anatomie und Zellbiologie, Albert-Ludwigs-Universität, Albertstr. 17, 79104, Freiburg, Tel.: +49 761 203 5056, Email: Michael.Frotscher@anat.uni-freiburg.de

**Fuchs**, Michaela, Department of Biology, Animal Physiology, University of Erlangen-Nürnberg, Staudtstr. 5, 91058, Erlangen, Tel.: +49 911 8528059, Email: mfuchs@biologie.uni-erlangen.de

**Fuchs**, Dr. Eberhard, Clinical Neurobiology, German Primate Center, Kellnerweg 4, 37077, Göttingen, Tel.: +49 551 3851130, Email: efuchs@gwdg.de

**Fuchs**, Jacqueline, Department of Neurobiology, Freie Universität Berlin, Königin-Luise-Str. 28-30, 14195, Berlin, Tel.: +49 30 83854298, Email: jacqueline-fuchs@gmx.de

**Funk**, Nico W., Animal Physiology, University of Kassel, FB 10 Mathematics and Natural Sciences, Heinrich-Plett-Str. 40, 34132, Kassel, Tel.: +49 3641 571414, Email: funk@uni-kassel.de

**Funke**, Dr. Frank, Neuro- und Sinnesphysiologie, DFG Research Center Molecular Physiology of the Brain (CMPB), Humboldtallee 23, 37073, Göttingen, Tel.: +49 551 3922933, Email: ffunke1@gwdg.de



**Funke**, Prof. Klaus, Neurophysiology, Ruhr-University Bochum, Universitätsstr. 150, 44780, Bochum, Tel.: +49 234 3223944, Email: funke@neurop.rub.de

**Furche**, Julia, Computational Neuroscience, University of Oldenburg, Groninger Straße 9, 26129, Oldenburg, Tel.: +49 441 4087905, Email: julia.furche@uni-oldenburg.de

**Fusca**, Debora, Zoology, AG Kloppenburg, University of Köln, Zülpicher Straße 47b, 50674, Köln, Tel.: +49 221 4702605, Email: debora.fusca@uni-koeln.de

## G

**Gaese**, Dr. Bernhard, Institut Cell Biology and Neuroscience, Goethe University Frankfurt, Siesmayerstr. 70A, 60323, Frankfurt/Main, Tel.: +49 69 79824742, Email: gaese@bio.uni-frankfurt.de

**Gail**, Dr. Alexander, Sensorimotor Group, German Primate Center, Kellnerweg 4, 37077, Göttingen, Tel.: +49 551 3851358, Email: agail@gwdg.de

**Galashan**, Fingal Orlando, Brain Research Institute, University of Bremen, Am Hochschulring 16a, 28359, Bremen, Tel.: +49 421 2189758, Email: galashan@brain.uni-bremen.de

**Gampe**, Kristine, Institute of Cell biology and Neuroscience, J.W.Goethe-University Frankfurt, Max-von-Laue-Str.9/N210, 60438, Frankfurt/Main, Tel.: +49 69 79829604, Email: k.gampe@bio.uni-frankfurt.de

**Gampe**, Christin, Institut für Allgemeine Zoologie und Tierphysiologie, Friedrich-Schiller-Universität, Erbertstraße 1, 07743, Jena, Tel.: +49 3641 949124, Email: chrgampe@gmx.de

**Garbers**, Christian, Department Biology II, Ludwig-Maximilians-Universität München, Großhaderner Straße 2, 82152, Martinsried, Tel.: +49 89 218074819, Email: garbers@biologie.uni-muenchen.de

**Garcia-Verdugo**, Rosa, Cellular and Systems Neurobiology, Max-Planck-Institute für Neurobiologie, Am Klopferspitz 18, 82152, Martinsried, Tel.: +49 89 85782665, Email: rosagverdugo@neuro.mpg.de

**Garea-Rodríguez**, PhD Enrique, Clinical Neurobiology Laboratory, German Primate Center, Kellnerweg 4, 37077, Göttingen, Tel.: +49 551 3851134, Email: egarea-rodriguez@cni-dpz.de

**Garratt**, Dr. Alistair Neil, Department of Neurosciences, Max-Delbrück-Center for Molecular Medicine, Robert-Rössle-Straße 10, 13125, Berlin, Tel.: +49 30 94063785, Email: agarratt@mdc-berlin.de

**Garthe**, Dr. Alexander, Zentrum für Regenerative Therapien Dresden, Regenerationsgenomik, Tatzberg 47-49, 01307, Dresden, Tel.: +49 351 46340165, Email: alexander.garthe@crt-dresden.de

**Garvert**, Mona, Visual Coding, Max-Planck-Institute of Neurobiology, Am Klopferspitz 18, 82152, Martinsried, Tel.: +49 176 81030244, Email: mona.garvert@gmx.de

**Gasis**, Marcia, Neurology / Mol. Neurobiol. Lab. University Hospital Düsseldorf, Moorenstr. 5, 40225, Düsseldorf, Tel.: +49 211 8118985, Email: gasis@uni-duesseldorf.de

**Gawalek**, Petra, Animal Physiology, University of Kassel, Heinrich-Plett-Str. 40, 34132, Kassel, Tel.: +49 561 8044727, Email: petra.bd@t-online.de

**Ge**, Dr. Di, Applied Mathematic Department, Glaizer Group, 32 rue Guy Moquet, 92240, Malakoff, France, Tel.: +33 1 77 700558, Email: ge.di@glaizer.com

**Gebhardt**, Dr. Christine, Institut of Neurophysiology, Universitätsmedizin Charité, Oudenarder Str. 16, 13347, Berlin, Tel.: +49 30 450528377, Email: christine.gebhardt@charite.de

**Gehring**, Katrin Barbara, Neurobiologie, Freie Universität Berlin, Koenigin-Luise-Straße 28/30, 14195, Berlin, Tel.: +49 30 83856454, Email: katrin.gehring@fu-berlin.de

**Gehring**, Jennifer, AG Langenhan, Physiologisches Institut Würzburg, Röntgenring 9, 97070, Würzburg, Tel.: +49 151 10744650, Email: jennifer\_gehring@gmx.de

**Geissler**, Dr. Diana Beatrix, Institute of Neurobiology, University of Ulm, Albert-Einstein-Allee 11, 89081, Ulm, Tel.: +49 731 5022639, Email: diana.geissler@uni-ulm.de

**Gerber**, Prof. Dr. Bertram, Institut für Biologie, Lehrstuhl für Genetik, Universität Leipzig, Talstrasse 33, 04103, Leipzig, Tel.: +49 151 55967505, Email: bertram.gerber@biozentrum.uni-wuerzburg.de

**Gerhard**, Felipe, Brain Mind Institute, Ecole Polytechnique Federale de Lausanne (EPFL), Station 15, 01015, Lausanne EPFL, Switzerland, Tel.: +41 21 6931896, Email: felipe.gerhard@epfl.ch

**Gerhard**, Dr. Holly E., NWG Bethge, MPI for Biological Cybernetics, Spemannstr 41, 72076, Tübingen, Tel.: +49 7071 6011788, Email: holly.gerhard@tuebingen.mpg.de

**Gerstmann**, PhD Katrin, Allgemeine Zoologie und Tierphysiologie, Friedrich-Schiller-Universität Jena, Erbertstraße 1, 07743, Jena, Tel.: +49 3641 949116, Email: b4geka@uni-jena.de

**Gertz**, Simone, Neuroethology/Sensory Ecology, Institute of Zoology, Endenicher Allee 11-13, 53115, Bonn, Tel.: +49 228 732498, Email: sgerzt@uni-bonn.de

**Geurten**, Bart R.H., Neurobiology, Bielefeld University, Postbox 10 01 31, 33501, Bielefeld, Tel.: +49 176 24530287, Email: bart.geurten@uni-bielefeld.de

**Giese**, Dr. Martin A., Section Computational Sensomotrics, Dept. Cognitive Neurology, Hertie Institute for Clinical Brain Research and Center for Integrative Neuroscience, Frondsbergstraße 23, 72070, Tübingen, Tel.: +49 7071 2989137, Email: martin.giese@uni-tuebingen.de

**Gießl**, Dr. Andreas, Department Biology/Division of Animal Physiology, University of Erlangen-Nürnberg, Staudtstr. 5, 91058, Erlangen, Tel.: +49 9131 8528055, Email: agiessl@biologie.uni-erlangen.de

**Girasole**, Allison, Institute of Zoology, AG Kloppenburg, University of Köln, Zulpicher Str. 47b, 50674, Köln, Tel.: +49 15 783717041, Email: ally.girasole@gmail.com

**Gisselmann**, Dr. Günter, Lehrstuhl für Zellphysiologie, Ruhr-Universität Bochum, Universitätsstr. 150, 44780, Bochum, Tel.: +49 234 3224106, Email: guenter.gisselmann@rub.de

**Glass**, Rainer, Cellular Neuroscience, Max-Delbrück-Center, Robert Rössle Str. 10, 13125, Berlin, Tel.: +49 30 94063260, Email: rainer.glass@mdc-berlin.de

**Gliem**, Sebastian, Neurophysiology and Cellular Biophysics, Institute of Physiology, Humboldtallee 23, 37073, Göttingen, Tel.: +49 551 3912203, Email: sgliem@gwdg.de

**Glowina**, Michaela, Institute of Neurobiology, University Ulm, Albert-Einstein-Allee 11, 89069, Ulm, Tel.: +49 731 5022632, Email: michaela.glowina@uni-ulm.de

**Goebbels**, Katrin, Institute of Biology II, RWTH Aachen University, Lukasstr. 1, 52074, Aachen, Tel.: +49 241 8020841, Email: goebbels@bio2.rwth-aachen.de

**Godlewska**, Elzbieta, Emmy Noether Research Group of Computational Biology, Department of Animal Physiology, University of Köln, Zulpicher Str. 47b, 50674, Köln, Tel.: +49 221 4703132, Email: e.godlewska@gmx.de

**Goetze**, Bianka, Bernstein Focus for Neurotechnology (BFNT) and School of Biology, Georg-August-Universität Göttingen, Berliner Str. 28, 37073, Göttingen, Tel.: +49 3641 949133, Email: Bianka.Goetze@biologie.uni-goettingen.de

**Gohl**, Dr. Thomas, Mikroskopie, Olympus Deutschland, Wettertalstr. 44, 71254, Ditzingen, Tel.: +49 7165 1706379, Email: t.gohl@gmx.net

**Goekce**, Onur, Department of Cellular and Systems Neurobiology, Max Planck Institute for Neurobiology, Am Klopferspitz 18, 82152, Martinsried, Tel.: +49 89 85782551, Email: gokce@neuro.mpg.de

**Goldammer**, Jens, Animal Physiology, Biocenter Köln, Zulpicher Str. 47b, 50674, Köln, Tel.: +49 221 4703133, Email: goldammj@uni-koeln.de

**Goldmann**, Tobias, Cell & Matrix Biology, AG Wolfrum, JoGu-Mainz, Institute of Zoology, Müllerweg 6, 55099, Mainz, Tel.: +49 6131 3920131, Email: goldma@uni-mainz.de



**Goldschmidt**, Dr. med. Jürgen, Auditory Learning and Speech, Leibniz-Institute for Neurobiology, Brennekestr. 6, 39118, Magdeburg, Tel.: +49 391 6263348, Email: goldschm@ifn-magdeburg.de

**Gollisch**, Prof. Dr. Tim, Sensory Processing in the Retina, University Medical Center Göttingen, Waldweg 33, 37073, Göttingen, Tel.: +49 551 3913542, Email: tim.gollisch@med.uni-goettingen.de

**Gonçalves**, M. Sc. Susana Alexandra, Cell and Molecular Neuroscience Unit, Instituto de Medicina Molecular, Avenida Professor Egas Moniz, 1649-028, Lisboa, Portugal, Tel.: +351 21 799496, Email: sabgoncalves@gmail.com

**Gonzalez Llinares**, M. Sc. Bernat, Cellular physiopathology of synapse, Université Victor Segalen Bordeaux 2, 236 Rue Judaïque, 33000, Bordeaux, France, Tel.: +331 6 03595054, Email: bernat.gonzalez@gmail.com

**Goodson**, Prof./PhD James L., Department of Biology, Indiana University, 1001 East Third St., 47405, Bloomington, IN, USA, Tel.: +1 812 8562391, Email: jlgoodso@indiana.edu

**Gorin**, Monika, Chemosensorik, RWTH Aachen, Institut für Biologie II, Worringer Weg 1, 52074, Aachen, Tel.: +49 177 4661246, Email: m.gorin@sensorik.rwth-aachen.de

**Goerlich**, Andreas, Neurobiology/Neurophysiology Group, TU Kaiserslautern, Erwin-Schrödinger-Straße, 67633, Kaiserslautern, Tel.: +49 631 2052501, Email: goerlich@physik.uni-kl.de

**Gorny**, Xenia, Behavioural Neurology, Leibniz Institute for Neurobiology, Brennekestr. 6, 39118, Magdeburg, Tel.: +49 391 6263623, Email: xenia.gorny@ifn-magdeburg.de

**Goertzen**, Dr. Angelika, Neurologie, St. Josef-Hospital, Mülheimer Str. 83, 46045, Oberhausen, Tel.: +49 208 8371, Email: a.goertzen@kk-ob.de

**Goethe**, Roman, Justus-Liebig-Universität Gießen, Biotechnology Center, Leihgesterner Weg 217, 35392, Gießen, Tel.: +49 641 9916514, Email: RomanGoethe@gmx.de

**Gottmann**, Kurt, Institute of Neuro- and Sensory Physiology, University Düsseldorf, Universitätsstr. 1 Gebäude 22.03, 40225, Düsseldorf, Tel.: +49 211 8115716, Email: kurt.gottmann@uni-duesseldorf.de

**Gottschalk**, Prof. Dr. Alexander, Biochemistry, Chemistry and Pharmacy, Frankfurt Institute for Biochemistry, Biocenter, Goethe-Universität Frankfurt, Max-von-Laue-Straße 9 and 15, 60438, Frankfurt/Main, Tel.: +49 69 79829261, Email: a.gottschalk@em.uni-frankfurt.de

**Goudriaan**, Prof. Dr. Michiel, Neurologie Biochemie, St. Mathematisch Instituut ter bevordering van de Geneeskunst, Achterom 53, 2611 PM, Delft, Netherlands, Tel.: +31 15 2135284, Email: michiel.goudriaan@telfort.nl

**Goulet**, Dr. Julie, Neuroinformatics, Donders Institute for Brain, Cognition and Behaviour, Heyendaalseweg 135, 6525 AJ, Nijmegen, Netherlands, Tel.: +31 24 3652633, Email: j.goulet@science.ru.nl

**Govindaraja**, Nambirajan n, European Neuroscience Institute Göttingen, Laboratory for Aging and Cognitive Diseases, Grisebachstr. 5, 37077, Göttingen, Tel.: +49 551 399834, Email: n.govindarajan@eni-g.de

**Grabowska**, Martyna, Emmy Noether Research Group of Computational Biology, Department of Animal Physi, University of Köln, Zülpicher Str. 47b, 50674, Köln, Tel.: +49 221 4703132, Email: tino@neurobiologie.de

**Gras**, Dr. Heribert, Neurobiology, Zoological Institute, University of Göttingen, Berliner Str. 28, 37073, Göttingen, Tel.: +49 551 395404, Email: hgras@gwdg.de

**Grau**, Tanja Michaela, Ophthalmic Research, Centre for Integrative Neuroscience, Röntgenweg 11, 72076, Tübingen, Tel.: +49 7071 2987619, Email: tanja.grau@med.uni-tuebingen.de

**Gravel**, Katharina, Neurobiologie, Freie Universität Berlin, Königin-Luise-Straße 28/30, 14195, Berlin, Tel.: +49 30 28047881, Email: mkgravel@zedat.fu-berlin.de

**Greb**, Helena, Neurobiology, University Oldenburg, Postfach 2503, 26111, Oldenburg, Tel.: +49 441 7893202, Email: lena-greb@gmx.de

**Greenlee**, Prof. Dr. Mark W. Psychology/Neuroscience, University Regensburg, Universitätsstraße 31, 93053, Regensburg, Tel.: +49 941 9433281, Email: mark.greenlee@psychologie.uni-regensburg.de

**Greifzu**, Franziska, Institut für Allgemeine Zoologie und Tierphysiologie, Friedrich-Schiller-Universität Jena, Erbertstr. 1, 07743, Jena, Tel.: +49 3641 949133, Email: Franziska.Greifzu@uni-jena.de

**Grendel**, M. Sc. Jasper, Experimental Neuropediatrics (ENP), Zentrum für Molekulare Neurobiologie Hamburg, Falkenried 94, 20251, Hamburg, Tel.: +49 7410 56651, Email: jasper.grendel@zmnh.uni-hamburg.de

**Grewe**, Dr. Jan, Department Biologie II, Ludwig-Maximilians-Universität München, Großhadener Straße 2, 82152, Martinsried, Tel.: +49 89 218074806, Email: grewe@bio.lmu.de

**Griemsmann**, Stephanie, Institut für zelluläre Neurowissenschaften, Rheinische Friedrich-Wilhelms-Universität Bonn, Sigmund-Freud-Str. 25, 53105, Bonn, Tel.: +49 228 2871 1821, Email: Stephanie.Griemsmann@ukb.uni-bonn.de

**Griesemer**, Dr. Desiree, Animal Physiology Group, University of Kaiserslautern, Erwin-Schrödinger-Str., Building 13, 67663, Kaiserslautern, Tel.: +49 631 2052493, Email: d.griesemer@biologie.uni-kl.de

**Groh**, Dr. Claudia, Department of Behavioral Physiology and Sociobiology, University of Würzburg, Am Hubland, 97074, Würzburg, Tel.: +49 931 3189266, Email: claudia.groh@biozentrum.uni-Würzburg.de

**Groh**, Katrin C., Evolutionary Neuroethology, Max Planck Institute of Chemical Ecology, Hans-Knöll-Straße 8, 07745, Jena, Tel.: +49 3641 571460, Email: kgroh@ice.mpg.de

**Grohmann**, Marcus, University of Leipzig, Rudolf Boehm Institute of Pharmacology and Toxicology, Härtelstraße 16-18, 04107, Leipzig, Tel.: +49 341 9724610, Email: markus.grohmann@medizin.uni-leipzig.de

**Grosse-Wilde**, Dr. Ewald, Evolutionary Neuroethology, Max-Planck-Institute for Chemical Ecology, Hans-Knöll-Str. 8, 07745, Jena, Tel.: +49 3641 571408, Email: grosse-wilde@ice.mpg.de

**Grothe**, M. Sc. Iris, Bernstein Group for Computational Neuroscience, University of Bremen, Hochschulring 16a, 28359, Bremen, Tel.: +49 421 2189481, Email: grothe@brain.uni-bremen.de

**Gruhn**, Dr. Matthias, Abt. Tierphysiologie, Biozentrum, Universität zu Köln, Zülpicher Str. 47b, 50674, Köln, Tel.: +49 221 4703103, Email: mgruhn@uni-koeln.de

**Grünwald**, Prof. Dr. Bernd, Institut für Bienenkunde, Goethe-Universität Frankfurt/Main, Siesmayerstr. 70, 60323, Frankfurt/Main, Tel.: +49 6171 21278, Email: b.gruenewald@bio.uni-frankfurt.de

**Grünwald**, Benedikt, Department of Neurology, Uniklinikum Würzburg, Josef-Schneider-Straße 11, 97080, Würzburg, Tel.: +49 931 20123548, Email: Gruenewa\_B1@klinik.uni-Würzburg.de

**Gruss**, Dr. Michael, Institute of Biology, Otto von Guericke University Magdeburg, Leipziger Straße 44, 39120, Magdeburg, Tel.: +49 391 6755008, Email: michael.gruss@ovgu.de

**Grychtolik**, Alexander, Bereich Neurowissenschaften, Gemeinnützige Hertie-Stiftung, Grüneburgweg 105, 60323, Frankfurt/Main, Tel.: +49 69 660756156, Email: GrychtolikAF@ghst.de

**Grzeschik**, Ramona, Department of Ophthalmology, Visual Processing Laboratory, University of Magdeburg, Leipziger Straße 44, 39120, Magdeburg, Tel.: +49 391 6721723, Email: ramona.grzeschik@med.ovgu.de

**Gu**, PhD Yuqiao, UMR 1272, PISC, INRA, Route de Saint-Cyr, 78026, Versailles, France, Tel.: +331 1 30833735, Email: Yuqiao.Gu@versailles.inra.fr

**Guerrieri**, Dr. Fernando J., Abteilung evolutionäre Neurobiologie, Max-Planck-Institut für chemische Ökologie, Hans-Knöll-Straße 8, 07745, Jena, Tel.: +49 3641 571413, Email: fguerrieri@ice.mpg.de

**Gundelfinger**, Prof. Dr. Eckart D., Neurochemistry and Molecular Biology, Leibniz Institute for Neurobiology, Brenneckestraße 6, 39118, Magdeburg, Tel.: +49 391 6263228, Email: gundelfi@ifn-magdeburg.de

**Gunderson**, PhD Paul Kevin, Department of Biology, University of Leicester, University Road, LE1 7RH, Leicester, United Kingdom, Tel.: +44 7939 531113, Email: pkg5@le.ac.uk

**Gundlfinger**, Dr. Anja, Department of Neurophysiology, Brain Research Institute, University of Zürich, Winterthurerstraße 190, 08057, Zürich, Switzerland, Tel.: +41 44 6353307, Email: gundlfinger@hifo.uzh.ch



**Günter**, Dr. Robert Heinz, Institut für Neurowissenschaften Medizin (INM-2) - Funktion neuronaler Schaltkre, Forschungszentrum Jülich, Leo-Brandt-Straße, 52425, Jülich, Tel.: +49 221 611821, Email: r.guenter@fz-juelich.de

**Guschlbauer**, Dr. Christoph, Tierphysiologie, Biowissenschaftliches Zentrum, Zoologisches Institut, Zülpicher Str. 47b, 50674, Köln, Tel.: +49 221 4708069, Email: c.guschlbauer@uni-koeln.de

**Gustav**, Dr. David, Neurobiology, University of Konstanz, Universitätsstr. 10, 78464, Konstanz, Tel.: +49 7531 885066, Email: david.gustav@uni-konstanz.de

**Gutch**, Harold, Department of Nonlinear Dynamics, Max Planck Institute for Dynamics and Self-Organization, Bunsenstr. 10, 37073, Göttingen, Tel.: +49 551 5176549, Email: harold.gutch@ds.mpg.de

## H

**Haack**, Jessica, Neurology, University Göttingen, Gøblerstraße 1b, 37073, Göttingen, Tel.: +49 179 6826668, Email: jessehaack@hotmail.com

**Haag**, Dr. Juergen, Dept. Systems and Computational Neurobiology, Max-Planck-Institute for Neurobiology, Am Klopferspitz 18, 82152, Martinsried, Tel.: +49 89 85783254, Email: haag@neuro.mpg.de

**Haag**, Dr. Natja, Institute for Biochemistry I, Friedrich-Schiller University Jena, Nonnenplan 2, 07743, Jena, Tel.: +49 3641 938637, Email: natja.haag@mti.uni-jena.de

**Haas**, Prof. Dr. Carola, Experimental Epilepsy Research, University of Freiburg, Breisacher Str. 64, 79106, Freiburg, Tel.: +49 761 2705295, Email: carola.haas@uniklinik-freiburg.de

**Haas**, PhD Stefan Jean-Pierre, Institute of Anatomy, Medical Faculty/University of Rostock, Gertrudenstraße 9, 18057, Rostock, Tel.: +49 381 4948439, Email: stefan.haas@uni-rostock.de

**Haberl**, Matthias, U862, INSERM, 146, Rue Léo-Saignat, 33000, Bordeaux, France, Tel.: +33 6 87230407, Email: matthias.haberl@inserm.fr

**Hadar**, Ravit, Institute of Biology – Neurobiology, Free University of Berlin, Freie Universität Berlin, Königin-Luise-Str. 28-30, 14195, Berlin, Tel.: +49 30 83856597, Email: ravithadar@hotmail.com

**Haenicke**, Joachim, AG Neuroinformatik, FU Berlin, Königin-Luise-Str. 1-3, 14195, Berlin, Tel.: +49 030 83857291, Email: joachim.haenicke@fu-berlin.de

**Haenold**, PhD Ronny, Immunology, Leibniz-Institute for Age Research - Fritz-Lipmann-Institute (FLI), Beutenbergstr. 11, 07745, Jena, Tel.: +49 3641 656022, Email: rhaenold@fli-leibniz.de

**Hagena**, PhD Hardy, Department of Neurophysiology, Ruhr-University Bochum, Medical Faculty, Universitätsstr.150, 44780, Bochum, Tel.: +49 163 3652867, Email: hardy.hagena@rub.de

**Hager**, Torben, Behavioral Neuroscience Group, VU University Amsterdam, De Boelelaan 1085, 1081 HV, Amsterdam, Netherlands, Tel.: +31 20 5987089, Email: torben.hager@cncr.vu.nl

**Haid**, Désirée, Institute of Physiology 230a, University of Hohenheim, August-von-Hartmann Straße 3, 70599, Stuttgart, Tel.: +49 711 45922267, Email: desi.haid@gmx.de

**Hajieva**, PhD Parvana, Institute for Pathobiochemistry, Medical Center of the Johannes Gutenberg University, Duesbergweg 6, 55099, Mainz, Tel.: +49 6131 3924552, Email: hajieva@uni-mainz.de

**Hallermann**, Dr. Stefan Jens, Carl-Ludwig Institut für Physiologie, Universität Leipzig, Liebigstr. 27, 04103, Leipzig, Tel.: +49 341 9715526, Email: hallermann@medizin.uni-leipzig.de

**Hamm**, PhD Alfons O., Dept. of Psychology, University of Greifswald, Franz-Mehring-Str. 47, 17487, Greifswald, Tel.: +49 3834 863715, Email: hamm@uni-greifswald.de

**Hammerschmidt**, Dr. Kurt, Cognitive Ethology Lab, German Primate Center, Kellnerweg 4, 37077, Göttingen, Tel.: +49 551 3851283, Email: hammerschmidt@cog-ethol.de

- Han**, Lei, Department of Physiology, Third Military Medical University, No.30 of Gao Tan Yan Zheng Jie Street, 400038, Chongqing, China, Tel.: +86 23 1322403626, Email: hanleimm@126.com
- Hanganu-Opatz**, Prof. Dr. Ileana Livia, Dev. Neurophysiology, Center for Molecular Neurobiology, UKE, Falkenried 94, 20251, Hamburg, Tel.: +49 40 741058966, Email: hangop@zmnh.uni-hamburg.de
- Hanisch**, Prof. Dr. Uwe-Karsten, Institute of Neuropathology, University of Goettingen, Robert-Koch-Straße 40, 37075, Göttingen, Tel.: +49 551 396520, Email: ukhanisch@med.uni-goettingen.de
- Hanske**, Julian, Departement of Neuroanatomy and Molecular Brain Research, Institute of Anatomy, Universitätsstr. 150, 44780, Bochum, Tel.: +49 176 32369726, Email: j.hanske@gmx.de
- Hanuschkin**, Alexander, Albert Ludwig University of Freiburg, Bernstein Center Freiburg, Hansastr 9A, 79104, Freiburg, Tel.: +49 761 2049555, Email: hanuschkin@bccn.uni-freiburg.de
- Happel**, Max, Auditory Learning and Speech, Leibniz Institute for Neurobiology, Brenneckestr. 6, 39118, Magdeburg, Tel.: +49 391 6263322, Email: mhappel@ifn-magdeburg.de
- Haq**, Wadood, Division of Experimental Ophthalmology; Electrophysiology, Institute for Ophthalmic Research, University of Tübingen; Centre for Integrativ, Röntgenweg 11, 72076, Tübingen, Tel.: +49 7071 2980741, Email: wadood.haq@email.de
- Hardiess**, Dr. Gregor, Cognitive Neuroscience, University of Tübingen, Auf der Morgenstelle 28, 72074, Tübingen, Tel.: +49 7071 2974605, Email: gregor.hardiess@uni-tuebingen.de
- Harl**, Barbara, Department Cell Biology, University of Salzburg, Hellbrunner Straße 34, 05020, Salzburg, Austria, Tel.: +43 662 80445695, Email: barbara.harl@sbg.ac.at
- Harms**, Kerstin, Neurogenetics Group, University of Oldenburg, Carl-von-Ossietzky-Str. 9-11, 26129, Oldenburg, Tel.: +49 441 7983299, Email: kerstin.harms@mail.uni-oldenburg.de
- Harrach**, M. Sc. Denise, Institute for Anatomy and Cell Biology, University of Heidelberg, Im Neuenheimer Feld 307, 69120, Heidelberg, Tel.: +49 6221 548659, Email: Denise.Harrach@rub.de
- Härtig**, Prof. Dr. Wolfgang, Pathophysiology of Neuroglia, University of Leipzig, Paul Flechsig Institute for Brain Research, Jahnallee 59, 04109, Leipzig, Tel.: +49 341 9725772, Email: hartig@medizin.uni-leipzig.de
- Hartmann**, Michael, Bio Imaging Zentrum, Ludwig-Maximilians-Universität München (LMU), Großhadrenerstr 2-4, 82152, Martinsried, Tel.: +49 89 218074190, Email: hartmann@biz.uni-muenchen.de
- Hartmann**, Dr. Jana, Institut für Neurowissenschaften, TU München, Biedersteiner Str. 29, 80802, München, Tel.: +49 89 41403362, Email: jana.hartmann@lrz.tum.de
- Hartmann**, Nicole, AG Langenhan, Physiologisches Institut Würzburg, Röntgenring 9, 97070, Würzburg, Tel.: +49 172 3754056, Email: nicole.hartmann@uni-wuerzburg.de
- Hartung**, PhD Henrike, Pharmacology, University of Oxford, Mansfield Road, OX1 3QT, Oxford, United Kingdom, Tel.: +44 1865 271642, Email: henrike.hartung@pharm.ox.ac.uk
- Hartwig**, Silvia, AG Hovemann, Ruhr-Universität Bochum, Universitätsstr. 150, 44780, Bochum, Tel.: +49 234 3226246, Email: silvia.aust@rub.de
- Harz**, Dr. Hartmann, Bio Imaging Zentrum (BIZ), Ludwig-Maximilians-Universität München (LMU), Großhaderner Str. 2-4, 82152, Martinsried, Tel.: +49 89 218074191, Email: harz@biz.uni-muenchen.de
- Harzsch**, Prof. Dr. Steffen, Cytology and Evolutionary Biology, University of Greifswald, Zoological Institute and Museum, Soldmannstraße 23, 17498, Greifswald, Tel.: +49 3834 864124, Email: steffen.harzsch@uni-greifswald.de
- Hashemolhosseini**, Prof. Said, Institut für Biochemie, Universität Erlangen-Nürnberg, Fahrstraße 17, 91054, Erlangen, Tel.: +49 9131 8524634, Email: sh@biochem.uni-erlangen.de
- Hass**, Joachim, AG Computational Neuroscience, Central Institute of Mental Health, J5, 68159, Mannheim, Tel.: +49 621 17032364, Email: joachim.hass@zi-mannheim.de



**Hassanzadeh**, PhD Gholamreza, Anatomy, Tehran University of Medical Sciences, Poorsina, 1417613151, Tehran, Iran, Tel.: +98 21 88966385, Email: hassanzadeh@tums.ac.ir

**Hassenklover**, Dr. Thomas, Dep. of Neurophysiology and Cellular Biophysics, University of Göttingen, Humboldtallee 23, 37073, Göttingen, Tel.: +49 551 3912203, Email: thassen@gwdg.de

**Hatt**, Prof. Dr. Hanns, Lehrstuhl für Zellphysiologie, Ruhr-Universität Bochum, Universitätsstraße 150, Gebäude ND4, 44780, Bochum, Tel.: 0234 - 32 - 24586, Email: Hanns.Hatt@ruhr-uni-bochum.de

**Hauber**, Dr. Wolfgang, Biologisches Institut, Abteilung Tierphysiologie, Biologisches Institut, Pfaffenwaldring 57, 70569, Stuttgart, Tel.: +49 711 68565003, Email: Hauber@bio.uni-stuttgart.de

**Hauser**, PhD Frank, Biology, University Copenhagen, Universitetsparken 15, 02100, Copenhagen, Denmark, Tel.: +45 353 21206, Email: fhauser@bio.ku.dk

**Häuser**, Svenja, AGENS, Medical Faculty Mannheim, Theodor-Kutzer-Ufer 1-3, 68163, Mannheim, Tel.: +49 621 3833772, Email: svenjahaeuser@gmx.de

**Häusler**, Darius, Institut für Neuropathologie, Universitätsmedizin der Georg-August-Universität Göttingen, Robert-Koch-Straße 40, 37075, Göttingen, Tel.: +49 551 398468, Email: darius.haeusler@med.uni-goettingen.de

**Häussler**, Dr. Ute, Experimental Epilepsy Research, University of Freiburg, Breisacher Straße 64, 79106, Freiburg, Tel.: +49 761 2705297, Email: ute.haeussler@uniklinik-freiburg.de

**Havemann-Reinecke**, Prof. Dr. Ursula, Dept of Psychiatry and Psychotherapy, University of Göttingen, von Sieboldstr.5, 37075, Göttingen, Tel.: +49 551 396610, Email: u.havemann-reinecke@med.uni-goettingen.de

**Haverkamp**, Dr. Silke, Neuroanatomy, Max-Planck-Institut for Brain Research, Deutschordenstr. 46, 60528, Frankfurt/Main, Tel.: +49 69 96769236, Email: silke.haverkamp@brain.mpg.de

**Hawlitschka**, Alexander, Institute of Anatomy, University of Rostock, Gertrudenstraße 9, 18055, Rostock, Tel.: +49 381 8439, Email: alexander.hawlitschka@uni-rostock.de

**Hedrich**, Dr. Ulrike Barbara Stefa, Depts. of Neurology and Epileptology, Hertie-Institute for Clinical Brain Research, Otfried-Müller-Str. 27, 72076, Tübingen, Tel.: +49 7071 2981921, Email: ulrike.hedrich@uni-tuebingen.de

**Hedwig**, Dr. Berthold, Zoology, University of Cambridge, Downing Street, CB2 3EJ, Cambridge, United Kingdom, Tel.: +44 1223 336603, Email: bh202@cam.ac.uk

**Heine**, Dr. Claudia, Rudolf Boehm Institute of Pharmacology and Toxicology, University of Leipzig, Translational Centre for Regenerative Medicine - Leipzig, Härtelstraße 16-18, 04109, Leipzig, Tel.: +49 341 9724627, Email: heinec@medizin.uni-leipzig.de

**Heinemann**, Dr. Uta, Universitätsklinik Göttingen, Robert-Koch-Str. 40, 37075, Göttingen, Tel.: 0551/39-0, Email: uta.heinemann@med.uni-goettingen.de

**Heinen**, PhD André, Department of Neurology, Heinrich Heine University, Moorenstr. 5, 40225, Düsseldorf, Tel.: +49 211 8118980, Email: andre-heinen@uni-duesseldorf.de

**Helduser**, M. Sc. Sascha, Institut für kognitive Neurowissenschaften, AE Biopsychologie, Ruhr Universität Bochum, Universitätsstr. 150, 44801, Bochum, Tel.: +49 234 3226845, Email: Sascha.Helduser@rub.de

**Helias**, Dr. Moritz, Computational Neurophysics, RIKEN Brain Science Institute, 2-1 Hirosawa, 351-0198, Wako-shi, Japan, Tel.: +81 48 4679644, Email: helias@brain.riken.jp

**Hellekes**, Katja, Animal Physiology, Biocenter Koeln, Zülpicher Straße 47 b, 50674, Köln, Tel.: +49 221 4703133, Email: katjahellekes@gmx.de

**Hellrung**, Anke, Experimental Neurology, Ulm University, Helmholtzstr. 8/1, 89081, Ulm, Tel.: +49 731 50063117, Email: anke.hellrung@googlemail.com

**Hellwig**, Anna, Behavioral Physiology and Sociobiology, University of Würzburg, Am Hubland, 97074, Würzburg, Tel.: +49 931 3183306, Email: annahellwig@gmx.net



**Helmchen**, Dr. Fritjof, Dept. of Neurophysiology, Brain Research Institute, Winterthurerstrasse 190, 08057, Zurich, Switzerland, Tel.: +41 44 6353340, Email: helmchen@hifo.uzh.ch

**Henneberger**, Dr. Christian, Department of Clinical and Experimental Epilepsy, University College London, Queen Square House, Queen Square, WC1N 3BG, London, United Kingdom, Tel.: +44 7783021543, Email: c.henneberger@ion.ucl.ac.uk

**Hennig**, Prof. Dr. R. Matthias, Verhaltensphysiologie, Biologie, Humboldt-Universität zu Berlin, Invalidenstr. 43, 10115, Berlin, Tel.: +49 30 20938775, Email: matthias.hennig@biologie.hu-berlin.de

**Hennig**, Stefanie, Hochschule und Neurowissenschaften, Gemeinnützige Hertie-Stiftung, Grüneburgweg 105, 60323, Frankfurt/Main, Tel.: +49 69 660756149, Email: hennigs@ghst.de

**Henning**, Anna, Evolutionary Neuroethology, Max Planck Institute for Chemical Ecology, Hans-Knöll-Str. 8, 07745, Jena, Tel.: +49 3641 571459, Email: ahenning@ice.mpg.de

**Henninger**, Joerg, Neurobiologie, Department Biologie II, Ludwig-Maximilians-Universität München, Großhaderner Straße 2, 82512, München, Tel.: +49 89 218074807, Email: henninger@bio.lmu.de

**Henrich-Noack**, Dr. Petra, Institute of Medical Psychology, Otto-von-Guericke University, Leipziger Str. 44, 39120, Magdeburg, Tel.: +49 391 6721806, Email: petra.henrich-noack@med.ovgu.de

**Henschke**, Julia, Dept. Auditory Learning and Speech, Leibniz Institut for Neurobiology, Brenneckestraße 6, 39118, Magdeburg, Tel.: +49 391 6263348, Email: julia.henschke@ifn-magdeburg.de

**Hentschke**, Dr. Harald, Sektion Experimentelle Anaesthesiologie, Universitätsklinik für Anästhesiologie und Intensivmedizin Tübingen, Schaffhausenstr. 113, 72072, Tuebingen, Tel.: +49 7071 7936217, Email: harald.hentschke@uni-Tuebingen.de

**Herbik**, Anne, Department of Ophthalmology, Visual Processing Laboratory, Universität Magdeburg, Leipziger Straße 44, 39120, Magdeburg, Tel.: +49 391 6721722, Email: anne.herbik@med.ovgu.de

**Hermann**, Sebastian, Fak V; Neurobiology, University Oldenburg, Carl-von-Ossietzky-Straße, 26129, Oldenburg, Tel.: +49 441 7983202, Email: sebastianj.hermann@gmx.de

**Hermann**, David, Pharmacology, Abbott GmbH & Co KG, Knollstr, 67061, Ludwigshafen, Tel.: +49 621 5892494, Email: david.hermann@abbott.com

**Hernandez Gonzalez**, Dr. Victor Hugo, InnerEarLab, Department of Otolaryngology, University of Göttingen, Robert-Kochstr. 40, 37075, Göttingen, Tel.: +49 551 22837, Email: vherman@gwdg.de

**Herpertz**, Prof. Dr. Sabine C., Department of Psychiatry, University Hospital, Voss Str. 4, 69115, Heidelberg, Tel.: +49 6221 562751, Email: sabine.herpertz@uni-heidelberg.de

**Herrera-Molina**, PhD Rodrigo, Neurochemistry & Molecular Biology, Leibniz Institute for Neurobiology, Brenneckestraße 6, 39118, Magdeburg, Tel.: +49 391 6263228, Email: rherrera@med.uchile.cl

**Herrling**, Regina, Dept. of Neurobiology, Universität Oldenburg, Carl-von-Ossietzky-Str. 9-11, 26129, Oldenburg, Tel.: +49 441 7983882, Email: regina.herrling@uni-oldenburg.de

**Hertel**, Dr. Moritz, Behavioural Neurobiology, MPI Seewiesen, Eberhard Gwinner Str/Pforte, 82319, Seewiesen, Tel.: +49 8157 932266, Email: hertel@orn.mpg.de

**Herwerth**, Marina, Molecular Neurobiology, Max Planck Institute for Medical Research, Jahnstraße 29, 69120, Heidelberg, Tel.: +49 6221 486117, Email: Marina.Herwerth@mpimf-heidelberg.mpg.de

**Herz**, Prof. Dr. Andreas VM, Department Biologie II, Ludwig-Maximilians-Universität München, Großhaderner Straße 2, 82152, Martinsried, Tel.: +49 89 218074801, Email: herz@bio.lmu.de

**Hess**, Simon, Biocenter Koeln, University of Köln, Zülpicher Straße 47b, 50674, Köln, Tel.: +49 221 4705207, Email: simon.hess@uni-koeln.de

**Hess**, Dr. Andreas, Pharmacological Imaging and Image Analysis, Institute for Pharmacology, Fahrstraße 17, 91054, Erlangen, Tel.: +49 9131 8522003, Email: andreas.hess@pharmakologie.uni-erlangen.de



**Heß**, Dr. Martin, AG Prof. Haszprunar, BioZentrum LMU München, Großhaderner Straße 2-4, 82152, Martinsried, Tel.: +49 89 218074130, Email: hess@bio.lmu.de

**Heuer**, Dr. Carsten M, Tierphysiologie, Philipps-Universität Marburg, Karl-von-Frisch-Str. 8, 35032, Marburg, Tel.: +49 6421 2825956, Email: heuer@staff.uni-marburg.de

**Heumann**, Prof. Dr. Rolf, Biochemie II, Ruhr-Universität Bochum, Universitätsstr. 150, 44801, Bochum, Tel.: +49 0234 3224230, Email: rolf.heumann@rub.de

**Heusler**, PhD Jan, Integrative Sensory Physiology, Animal Physiology, Wartweg 95, 35390, Gießen, Tel.: +49 641 9935271, Email: Jan.Heusler@bio.uni-giessen.de

**Heyd**, Julia, Institute of Biochemistry and Biology, Unit of Zoology, University of Potsdam, Karl-Liebknecht-Str. 24-25, 14476, Potsdam, Tel.: +49 331 9775752, Email: jheyd@uni-potsdam.de

**Hildebrandt**, Dr. Herbert, Cellular Chemistry (OE 4330), Hannover Medical School, Carl-Neuberg-Str. 1, 30625, Hannover, Tel.: +49 511 5329808, Email: hildebrandt.herbert@mh-hannover.de

**Hilgen**, Gerrit, Neurobiology, University of Oldenburg, Carl-von-Ossietzky-Straße 9-11, 26129, Oldenburg, Tel.: +49 441 7983202, Email: gerrit.hilgen@uni-oldenburg.de

**Hilger**, Maximilian Frank, Neurophysics, Philipps-University Marburg, Karl-von-Frisch-Str. 8a, 35032, Marburg, Tel.: +49 6421 2824176, Email: hilger@students.uni-marburg.de

**Hillmann**, Antje, Department of Molecular Psychiatry, University of Göttingen, Von-Siebold-Str. 5, 37075, Göttingen, Tel.: +49 551 396934, Email: antje.hillmann@med.uni-goettingen.de

**Hinchliffe**, David, Zentrale Biotechnische Betriebseinheit, Justus-Liebig Universität, Leihgesterner Weg 217, 35392, Gießen, Tel.: +49 641 9916507, Email: david.hinchliffe@zbb.uni-giessen.de

**Hinrichs**, Wilko, Neurogenetic, MPI of experimental medicine, Hermann-Rein-Str. 3, 37075, Göttingen, Tel.: +49 551 3899776, Email: hinrichs@em.mpg.de

**Hipp**, Dr. Joerg F. Department of Neurophysiology and Pathophysiology, University Medical Centre Hamburg-Eppendorf, Martinistr. 52, 20246, Hamburg, Tel.: +49 40 741057644, Email: j.hipp@uke.uni-hamburg.de

**Hippe**, Sven, Department of Molecular Neurobiochemistry, Ruhr-University Bochum, Universitätsstraße 150, 44780, Bochum, Tel.: +49 234 3222067, Email: svenhippe@arcor.de

**Hirnet**, Dr. Daniela, Abteilung für Tierphysiologie, Universität Hamburg, Martin-Luther-King Platz 3, 20146, Hamburg, Tel.: +49 40 428383872, Email: daniela.hirnet@uni-hamburg.de

**Hirtz**, Jan, Animal Physiology Group, Department of Biology, University of Kaiserslautern, Erwin Schrödinger-Straße 13, 67663, Kaiserslautern, Tel.: +49 631 2052501, Email: jan.hirtz@biologie.uni-kl.de

**Hoeche**, Nicole, Neurochemistry, Leibniz Institut für Neurobiologie Magdeburg, Brenneckestraße 6, 39118, Magdeburg, Tel.: +49 391 6263217, Email: Nicole.Hoeche@ifn-magdeburg.de

**Hoefener**, Elena, Multimodal Imaging Group, Max-Planck-Institut für Neurologische Forschung, Gleulerstraße 50, 50931, Köln, Tel.: +49 221 16849626, Email: Elena.Hoefener@gmx.de

**Hofer**, Dr. Sabine, Biomedizinische NMR Forschungs GmbH, Max-Planck-Institut für biophysikalische Chemie, Am Fassberg 11, 37070, Göttingen, Tel.: +49 551 2011735, Email: shofer1@gwdg.de

**Hoffmann**, Dr. Susanne, Department Biologie II, Ludwig-Maximilians Universität München, Großhaderner Str. 2, 82152, Martinsried, Tel.: +49 89 218074308, Email: hoffmann@bio.lmu.de

**Hoffmann**, PhD Michael B., Ophthalmology, Visual Processing Lab, Magdeburg University, Leipziger Str. 44, 39120, Magdeburg, Tel.: +49 391 6713585, Email: michael.hoffmann@med.ovgu.de

**Hofmann**, Dr. Michael, Institut of Zoology, University of Bonn, Poppelsdorfer Schloss, 53115, Bonn, Tel.: +49 228 733807, Email: mhofmann@uni-bonn.de

**Hofmann**, David, Department for Nonlinear Dynamics, Max Planck Institute f. Dynamics and Self-Organization, Bunsenstr. 10, 37073, Göttingen, Tel.: +49 551 5167529, Email: david@nld.ds.mpg.de

**Hoefl**, Simon Peter, Institut für zelluläre Neurowissenschaften, Rheinische Friedrich-Wilhelms-Universität Bonn, Sigmund Freud Straße 25, 53105, Bonn, Tel.: +49 228 2871 1821, Email: shoefl@uni-bonn.de

**Hollatz**, Dominik, Department of Cellphysiology, Ruhr-University Bochum, Universitätsstr. 150, 44801, Bochum, Tel.: +49 234 3226756, Email: dominik.hollatz@rub.de

**Holsboer**, PhD Florian, Max-Planck-Institute of Psychiatry, Max-Planck-Institute of Psychiatry, Kraepelinstr. 10, 80804, München, Tel.: +49 89 30622220, Email: holsboer@mpipsykl.mpg.de

**Holthoff**, Prof. Dr. Knut, Hans-Berger Klinik für Neurologie, Friedrich-Schiller-Universität, Erlanger Allee 101, 07747, Jena, Tel.: +49 3641 9323418, Email: knut.holthoff@med.uni-jena.de

**Homberg**, Dr. Uwe, Departement of Biology, University of Marburg, Karl-von-Frisch-Str. 8, 35032, Marburg, Tel.: +49 6421 2823402, Email: homberg@staff.uni-marburg.de

**Hopp**, Elisabeth Angela, Systems and Computational Neurobiology, Max Planck Institute for Neurobiology, Am Klopferspitz 18, 82152, Martinsried, Tel.: +49 89 85783286, Email: hopp@neuro.mpg.de

**Horváth**, Dr. Edina, Department of Public Health, University of Szeged, Dóm tér 10., 06720, Szeged, Hungary, Tel.: +36 62 545119, Email: horvath@puhe.szote.u-szeged.hu

**Hovemann**, Dr. Bernhard, Fakultät für Chemie und Biochemie, Ruhr-Universität Bochum, Universitätsstr. 150, 44780, Bochum, Tel.: +49 234 3224235, Email: bernhard.hovemann@rub.de

**Hovhannisyán**, Dr. Anahit, Retinal Circuits and Optogenetics & Neuron Glia Interactions, Centre for Integrative Neuroscience(CIN), Paul-Ehrlich-Str. 15, 72076, Tübingen, Tel.: +49 151 10970421, Email: apatjan@yahoo.com

**Hu**, Wen, Clinical Neurobiology Laboratory, Germany Primate Center, Kellnerweg 4, 37077, Göttingen, Tel.: +49 551 3851134, Email: huwen.h@gmail.com

**Huang**, Xiaojie, Molecular Neurobiology, European Neuroscience Institute Göttingen, Grisebachstr. 5, 37077, Göttingen, Tel.: +49 551 393487, Email: xiaojiehuang86@gmail.com

**Huber**, Prof. Dr. Armin, Department of Biosensorics, University of Hohenheim, Garbenstr. 30, 70599, Stuttgart, Tel.: +49 711 45923611, Email: armin.huber@uni-hohenheim.de

**Huber**, Leslie, RG Developmental Neurobiology, Max-Planck-Institute for Brain Research, Deutschordenstr. 46, 60528, Frankfurt /Main, Tel.: +49 69 96769458, Email: leslie.huber@brain.mpg.de

**Hubka**, PhD Peter, Laboratory of Auditory Neuroscience, Medical University Hanover, Feodor-Lynen-Str. 35, 30625, Hannover, Tel.: +49 511 5327251, Email: hubka.peter@mh-hannover.de

**Hübner**, Cora, JRG Learning and Memory, Hertie Institute and Centre for Integrative Neuroscience, Paul-Ehrlich-Str. 15-17, 72076, Tübingen, Tel.: +49 7071 2989197, Email: cora.huebner@cin.uni-tuebingen.de

**Hübner**, Neele, Department of Radiology - Medical Physics, University Medical Center Freiburg, Breisacher Straße 60a, 79106, Freiburg, Tel.: +49 761 2709380, Email: neele.huebner@uniklinik-freiburg.de

**Huebner**, Sandra, Molecular Genetics, German Institute of Human Nutrition (Dife) Potsdam, Arthur-Scheunert-Allee 114-116, 14558, Nuthetal, Tel.: +49 33200 88375, Email: sandra.huebner@dife.de

**Huggenberger**, Stefan, Biozentrum, Universität zu Köln, Zulpicher Str. 47b, 50674, Köln, Tel.: +49 221 4703101, Email: st.huggenberger@uni-koeln.de

**Hummel**, Dr. Thomas, Institut für Neurobiologie, Westfälische Wilhelms-Universität, Badestr. 9, 48149, Münster, Tel.: +49 251 8323891, Email: hummel@uni-muenster.de

**Hummel**, Jennifer, Institut für Zellbiologie und Neurowissenschaft, Goethe Universität Frankfurt, Siesmayerstr. 70A, 60323, Frankfurt/Main, Tel.: +49 160 95948579, Email: jenniferhummel1@gmx.de



**Hüasers**, Jan, Neurophysics Departement (AG Bremmer), Philipps-University Marburg, Karl-von-Frisch-Straße 8a, 35043, Marburg / Lahnberge, Tel.: +49 6421 2824115, Email: Jan.Huesers@physik.uni-marburg.de

**Hustert**, Dr. Reinhold, JFB-Institut f. Zoologie u. Anthropologie, Neurobiologie, Georg-August-Universität Göttingen, Berliner Str. 28, 37073, Göttingen, Tel.: +49 551 395436, Email: rhuster@gwdg.de

## I

**Ignatious Raja**, PhD Jennifer S., Neurobiology, University of Konstanz, Universitatstraße, 78467, Konstanz, Tel.: +49 176 64847400, Email: jennifer.ignatious-raja@uni-konstanz.de

**Ihrke**, Matthias, Nonlinear Dynamics, Max-Planck-Institute for Dynamics and Self-Organization, Bunsenstr. 10, 37073, Göttingen, Tel.: +49 551 5176441, Email: ihrke@nld.ds.mpg.de

**Imbrosci**, Barbara, Medicine, Physiology & Pathophysiology, Duesbergweg 6, 55128, Mainz, Tel.: +49 6131 3925715, Email: barbara.imbrosci@googlemail.com

**Ito**, Dr. Junji, Laboratory for Statistical Neuroscience, RIKEN Brain Science Institute, 2-1 Hirosawa, 351-0198, Wako, Japan, Tel.: +81 48 4679644, Email: j-ito@brain.riken.jp

## J

**Jacob**, Dr. Wright, Molecular Neurobiochemistry, Ruhr University Bochum, University Street 150, 44801, Bochum, Tel.: +49 234 3224230, Email: towjm39@gmail.com

**Jaepel**, Juliane, Institut für klinische Neurobiologie, Universität Würzburg, Versbacher Str. 5, 97078, Würzburg, Tel.: +49 172 3903210, Email: j.jaepel@gmx.de

**Jäger**, Katharina, Institut für Zellbiologie und Neurowissenschaften, Goethe-Universität, Siesmayerstraße 70A, 60323, Frankfurt/Main, Tel.: +49 178 7120898, Email: katha\_ja@web.de

**Jähde**, Philipp, Zelluläre Neurobiologie, Georg-August-Universität Göttingen, Rosmarinweg 38, 37081, Göttingen, Tel.: +49 551 3828940, Email: philipp.jaehde@gmail.com

**Jahnke**, Sven, Network Dynamics Group, Max Planck Institute for Dynamics and Self-Organization, Bunsenstr. 10, 37073, Göttingen, Tel.: +49 551 5176433, Email: sjahnke@nld.ds.mpg.de

**Jakoby**, Patrick, General Zoology, TU Kaiserslautern, Postfach 3049, 67653, Kaiserslautern, Tel.: +49 631 2053518, Email: p.jakoby@biologie.uni-kl.de

**Janova**, Hana, Neuropathologie, Universitätsmedizin Göttingen, Robert-Koch-Str. 40, 37075, Göttingen, Tel.: +49 551 398468, Email: hana.janova@med.uni-goettingen.de

**Janssen-Bienhold**, Prof. Dr. Ulrike, Neurobiology, University of Oldenburg, P.O. Box 2503, 26111, Oldenburg, Tel.: +49 441 7983419, Email: ulrike.janssen.bienhold@uni-oldenburg.de

**Jaramillo**, M. Sc. Jorge Hernan, Theoretical Neuroscience, Humboldt Universität zu Berlin/Bernstein Center for Computational Neuroscience, Invalidenstr. 43, 10115, Berlin, Tel.: +49 30 1522702705, Email: jaramillo.jorge@biologie.hu-berlin.de

**Jarowyj**, Joel, Neuroanatomie, Institut für Anatomie und Zellbiologie, Albertstraße, 17, 79104, Freiburg, Tel.: +49 761 2035058, Email: joel.jarowyj@anat.uni-freiburg.de

**Jarvis**, Sarah, Bernstein Center Freiburg, University of Freiburg, Hansastr. 9A, 79104, Freiburg, Tel.: +49 761 2039324, Email: jarvis@bcf.uni-freiburg.de

**Jawhar**, Sadim, Molecular Psychiatry Department, Georg-August-Universität Göttingen, Von-Siebold-Str. 5, 37075, Göttingen, Tel.: +49 551 396934, Email: sadim.jawhar@med.uni-goettingen.de

**Jedynak**, PhD Paulina, Molecular Neurobiology, Nencki Institute of Experimental Biology, Pasteura 3, 02-093, Warszawa, Poland, Tel.: +48 22 5892356, Email: p.jedynak@nencki.gov.pl

**Jeschke**, Marcus, ALS, Leibniz Institut for Neurobiology, Brenneckestr. 6, 39118, Magdeburg, Tel.: +49 391 6263322, Email: mjeschke@ifn-magdeburg.de

**Jgamadze**, M. Sc. Dennis, Pautot AG, Center for Regenerative Therapies Dresden, Tatzberg 47/49, 01307, Dresden, Tel.: +49 174 3150412, Email: dennis.jgamadze@crt-dresden.de

**Joger**, PhD Hannah Marie, Zoology III Neurobiology, Johannes Gutenberg University, Colonel-Kleinmann-Weg 2, 55099, Mainz, Tel.: +49 6131 3922197, Email: Joger@uni-mainz.de

**John**, Nora, Neurochemistry & Molecular Biology, Leibniz Institute for Neurobiology, Brenneckestraße 6, 39118, Magdeburg, Tel.: +49 391 6263217, Email: nora.john@ifn-magdeburg.de

**Johnson**, Dr. Stuart L., Biomedical Science, University of Sheffield, Western Bank, S10 2TN, Sheffield, United Kingdom, Tel.: +44 114 2221098, Email: s.johnson@sheffield.ac.uk

**Joo**, Seol-hee, Department of Cellular Neurobiology, Georg-August-University of Göttingen, Hermann-Rein-Straße 3, 37075, Göttingen, Tel.: +49 176 35733939, Email: grencias@gmail.com

**Jouhanneau**, PhD Jean-Sébastien, AG Poulet, MDC-Neurocure Berlin, Chariteplatz 1, 10117, Berlin, Tel.: +49 30 450639767, Email: jean-sebastien.jouhanneau@mdc-berlin.de

**Juarez Paz**, M. Sc. Leon Mauricio, Computational Neuroscience, Carl-von-Ossietzky-Universität Oldenburg, Carl-von-Ossietzky Str. 9-11, 26111, Oldenburg, Tel.: +49 441 7983608, Email: l.m.juarez.paz@uni-oldenburg.de

**Jung**, Sarah Nicola, Systems and Computational Neurobiology, MPI of Neurobiology, Am Klopferspitz 18, 82152, Martinsried, Tel.: +49 89 32868578, Email: snjung@neuro.mpg.de

**Jung**, Fabienne, Kortikale Netzwerke, Max Planck Institut für neurologische Forschung, Gleueler Straße 50, 50931, Köln, Tel.: +49 221 4726218, Email: fabienne.jung@nf.mpg.de

**Jüngling**, Dr. Kay, Westfälische Wilhelms-Universität, Institute for Physiology I, Robert-Koch Str. 27a, 48149, Münster, Tel.: +49 251 8355553, Email: kay.juengling@gmx.de

**Jürgens**, Rebecca, Cognitive Ethology Lab, German Primate Center, Kellnerweg 4, 37077, Göttingen, Tel.: +49 551 3851480, Email: rjuergens@dpz.eu

## K

**Kaczmarczyk**, M. Sc. Lech, Institute of Cellular Neurosciences, University of Bonn, Sigmund-Freud-Str. 25, 53105, Bonn, Tel.: +49 228 28714570, Email: lech.kaczmarczyk@ukb.uni-bonn.de

**Kahms**, Dr. Martin, Institute for Medical Physics and Biophysics, University Münster, Robert-Koch-Str. 31, 48149, Münster, Tel.: +49 251 8363827, Email: kahms@uni-Münster.de

**Kaila**, Dr. Kai Kaila, Department of Biosciences, University of Helsinki, POB 65, 00014, Helsinki, Finland, Tel.: +358 40 7256759, Email: kai.kaila@helsinki.fi

**Kaiser**, M. Sc. Maja, AG Pautot, Center for Regenerative Therapies Dresden, Tatzberg 47/49, 01307, Dresden, Tel.: +49 163 7349322, Email: maja.kaiser@crt-dresden.de

**Kalisch**, Dr. Raffael, Institute for Systems Neuroscience, University Medical Center Hamburg-Eppendorf (UKE), Martinistr. 52, 20246, Hamburg, Tel.: +49 040 741058599, Email: rkalisch@uke.de

**Kaltenbach**, Stefan, Physiologie Fg. Biosensorik (230c), Universität Hohenheim, Garbenstr. 30, 70599, Stuttgart, Tel.: +49 711 45923063, Email: stefan.kaltenbach@uni-hohenheim.de

**Kalve**, Ieva, Institute of Neuroanatomy, Hannover Medical School, Carl-Neuberg-Str. 1, 30625, Hannover, Tel.: +49 511 5322895, Email: ieva.kalve@gmail.com

**Kamikouchi**, PhD Azusa, School of Life Sciences, Tokyo University of Pharmacy and Life Sciences, 1432-1, Horinouchi, Hachioji, 192-0392, Tokyo, Japan, Tel.: +81 42 6768963, Email: akamikou@ls.toyaku.ac.jp



**Kandler**, PhD Karl, Otolaryngology, University of Pittsburgh, 3501 Fifth Avenue, Rm 10016, PA 15261, Pittsburgh, USA, Tel.: +1 412 6248398, Email: kkarl@pitt.edu

**Kanold**, PhD Patrick O, Dept. of Biology, Institute for Systems Research, University of Maryland, 1205 Biosciences Bldg, 20742, MD, College Park, USA, Tel.: +1 301 4055741, Email: pkanold@umd.edu

**Karak**, Somdatta, Abteilung Cellular Neurobiology, AG Goepfert, Georg-August-Universität, Johann-Friedrich-Institut für Anthropologie und Zoologie, Hermann-Rein Str.3, 37075, Göttingen, Tel.: +49 551 3899410, Email: somdattak@gmail.com

**Karus**, Michael, Cellmorphology and Molecular Neurobiology, Ruhr-University Bochum, Universitätsstraße 150, 44780, Bochum, Tel.: +49 234 3224312, Email: michael.karus@rub.de

**Kaslin**, PhD Jan, Department of genetics, Biotechnology center/Center for Regenerative Therapies Dresden, Tatzberg 47, 01307, Dresden, Tel.: +49 351 40105, Email: jan.kaslin@biotec.tu-dresden.de

**Kassing**, Vanessa, Vergleichende Neuroanatomie, Zoology, Poppelsdorfer Schloss, 53115, Bonn, Tel.: +49 228 7360202, Email: vanessa.kassing@googlemail.com

**Katsoulidou**, Vicky, Physiology, Leinders-Zufall Group, University of Saarland, Kirrbergerstr., Building 58, 66421, Homburg, Tel.: +49 6841 1626579, Email: vicky.katsoulidou@uniklinikum-saarland.de

**Katzner**, Dr. Steffen, Centre for Integrative Neuroscience, University of Tübingen, Paul-Ehrlich-Str.17, 72076, Tübingen, Tel.: +49 7071 2989161, Email: steffen.katzner@uni-tuebingen.de

**Kauer**, Isabella, systems and computational neurobiology, MPI of Neurobiology, Am Klopferspitz 18, 82152, Martinsried, Tel.: +49 89 85783289, Email: kauer@neuro.mpg.de

**Kaule**, Falko, Visual Processing Laboratory, Department of Ophthalmology, Otto-von-Guericke-University Magdeburg, Leipziger Str. 44, 39120, Magdeburg, Tel.: +49 391 6721722, Email: falko.kaule@med.ovgu.de

**Kaupp**, Prof. Dr. U. Benjamin, Molecular Sensory Systems, Stiftung caesar, Ludwig-Erhard-Allee 2, 53175, Bonn, Tel.: +49 228 9656100, Email: u.b.kaupp@caesar.de

**Kaur**, Jasvir, Experimental Ophthalmology, Institute for Ophthalmic Research, Röntgenweg -11, 72076, Tübingen, Tel.: +49 7071 2980741, Email: jasvir.kaur@klinikum.uni-tuebingen.de

**Kayser**, Dr. Christoph, Physiology of Cognitive Processes, Max Planck Institute for Biological Cybernetics, Spemannstraße 38, 72076, Tübingen, Tel.: +49 7071 601659, Email: christoph.kayser@tuebingen.mpg.de

**Keary**, Nina, Verhaltensforschung, Universität Bielefeld, Postfach 100131, 33501, Bielefeld, Tel.: +49 521 1062840, Email: nina.keary@uni-bielefeld.de

**Kelber**, Dr. Christina, Biozentrum, Zoologie II, University of Würzburg, Am Hubland, 97074, Würzburg, Tel.: +49 931 3184336, Email: christina.kelber@biozentrum.uni-wuerzburg.de

**Kellner**, M. Sc. Yves, Div. Cellular Neurobiology, Zoological Institute, Spielmannstr. 7, 38106, Braunschweig, Tel.: +49 531 3913185, Email: y.kellner@tu-bs.de

**Kempter**, Richard, Theoretical Biology, HU Berlin, Invalidenstr. 43, 10115, Berlin, Tel.: +49 30 20939825, Email: r.kempter@biologie.hu-berlin.de

**Kenning**, Matthes, Cytologie und Evolutionsbiologie, Ernst-Moritz-Arndt Universität, Zoologisches Institut und Museum, Johann-Sebastian-Bach Straße 11/12, 17487, Greifswald, Tel.: +49 3834 864109, Email: matthes.kenning@stud.uni-greifswald.de

**Kermer**, Prof. Dr. med. Pawel, Neurology, Universitätsmedizin Göttingen, Robert-Koch-Str. 40, 37075, Göttingen, Tel.: +49 551 396603, Email: pkermer@gwdg.de

**Kerschbaum**, Prof. Dr. Hubert Hannes, Department Cell Biology, University of Salzburg, Hellbrunnerstraße 34, 05020, Salzburg, Austria, Tel.: +43 662 80445667, Email: Hubert.Kerschbaum@sbg.ac.at

**Kettenmann**, Prof. Dr. Helmut, Cellular Neurosciences, Max Delbrück Center for Molecular Medicine (MDC), Robert-Roessle-Str. 10, 13125, Berlin, Tel.: +49 30 94063325, Email: kettenmann@mdc-berlin.de

**Kettler**, Lutz, Department of Zoology and Animal Physiology, RWTH Aachen Institute for Biology II, Mies-van-der-Rohe-Straße 15, 52056, Aachen, Tel.: +49 241 8020836, Email: kettler@bio2.rwth-aachen.de

**Kilb**, Dr. Werner, Institute of Physiology and Pathophysiology, Universitätsmedizin Mainz, Duesbergweg 6, 55128, Mainz, Tel.: +49 6131 3926101, Email: wkilb@uni-mainz.de

**Kindler**, Dr. Stefan, Institute for Human Genetics, University Medical Center Hamburg-Eppendorf, Martinistr. 52, 20146, Hamburg, Tel.: +49 40 741059119, Email: kindler@uke.de

**Kingsbury**, Dr. Marcy Anne, Biology, Indiana University Bloomington, 1001 E. Third St., 47405, Bloomington, USA, Tel.: +1 812 8562391, Email: mk24@indiana.edu

**Kinoshita**, Dr. Michiyo, Laboratory of Neuroethology, Sokendai (The Graduate University for Advanced Studies), Shonan village, Hayama, 240-0193, Kanagawa, Japan, Tel.: +81 46 8581589, Email: kinoshita\_michiyo@soken.ac.jp

**Kirbach**, Andreas, Department of Neurobiology, Freie Universität Berlin, Königin-Luise-Str. 28-30, 14195, Berlin, Tel.: +49 30 83854298, Email: andreasKirbach@gmx.de

**Kirmse**, Dr. Knut, Experimentelle Neurologie, Hans-Berger-Klinik für Neurologie, Universitätsklinikum Jena, Erlanger Allee 101, 07747, Jena, Tel.: +49 3641 9325998, Email: knut.kirmse@med.uni-jena.de

**Kirsch**, Dr. Janina, Teaching & Training Coordinator, Bernstein Center Freiburg, Hansastr. 9a, 79104, Freiburg, Tel.: +49 761 2039575, Email: kirsch@bcf.uni-freiburg.de

**Klaes**, Christian, Sensorimotor Group, German Primate Center, Kellnerweg 4, 37077, Göttingen, Tel.: +49 551 3851360, Email: cklaes@gwdg.de

**Klaft**, Zin-Juan, Institute for Neurophysiology, Charité Universitätsmedizin Berlin, Oudenarder Str. 16, 13347, Berlin, Tel.: +49 30 450528112, Email: zin-juan.klaft@charite.de

**Klapper**, Simon, Heinrich-Heine-Universität Düsseldorf, Institut für Sinnes- und Neurophysiologie, Weierstraße 185, 46149, Oberhausen, Tel.: +49 1520 6451266, Email: Simon.Klapper@uni-duesseldorf.de

**Kleber**, Joerg, Lehrstuhl für Genetik und Neurobiologie, Universität Würzburg, Am Hubland-Biozentrum, 97074, Würzburg, Tel.: +49 931 3189180, Email: JKleber@gmx.net

**Kleene**, Dr. Ralf, Zentrum für Molekulare Neurobiologie Hamburg (ZMNH), Universitätsklinikum Hamburg-Eppendorf, Martinistraße 52, 20246, Hamburg, Tel.: +49 40 741056292, Email: ralf.kleene@zmnh.uni-hamburg.de

**Klein**, Carsten, Cell Biology and Neuroscience, Goethe University, Siesmayerstr. 70, 60323, Frankfurt/Main, Tel.: +49 69 79824735, Email: K\_S\_T\_N@gmx.net

**Klein**, Barbara, Department of Cell Biology, University of Salzburg, Hellbrunnerstraße 34, 05020, Salzburg, Austria, Tel.: +43 662 80445592, Email: barbara.klein@sbg.ac.at

**Klein**, Jan-Christopher, Biotechnology, University of Applied Sciences Kaiserslautern, Amerikastraße 1, 66482, Zweibrücken, Tel.: +49 6332 914426, Email: jan-ch.klein@gmx.de

**Kletke**, Olaf, Cellphysiology, Ruhr University Bochum, Universitätsstraße 150, 44801, Bochum, Tel.: +49 234 3223529, Email: Olaf.Kletke@rub.de

**Klinge**, Astrid, Animal physiology and behaviour group, IBU, Carl von Ossietzky University Oldenburg, Carl-von-Ossietzky Str. 9-11, 26129, Oldenburg, Tel.: +49 441 7983405, Email: astrid.klinge@uni-oldenburg.de

**Klingenhoefer**, Steffen, Neurophysics, Philipps-University Marburg, Karl-von-Frisch-Straße 8a, 35043, Marburg, Tel.: +49 6421 2824115, Email: steffen.klingenhoefer@physik.uni-marburg.de

**Klinke**, Ina, Institute for Neurobiology, Freie Universität Berlin, Königin-Luise Str. 28-30, 14195, Berlin, Tel.: +49 30 83859902, Email: Ina.Klinke@gmx.de



**Klohs**, Jan, Institut f. Biomedizinische Technik, Universität Zürich und ETH, Wolfgang-Pauli-Str. 10, 08093, Zürich, Switzerland, Tel.: +41 44 633 76 27, Email: klohs@biomed.ee.ethz.ch

**Kloppenburger**, Peter, Institute for Zoology, University of Köln, Kältn Biocenter, Zülpicher Str. 47b, 50674, Köln, Tel.: +49 221 4705950, Email: peter.kloppenburger@uni-koeln.de

**Klucken**, Jochen, Division of Molecular Neurology, University Hospital Erlangen, Schwabachanlage 6, 91054, Erlangen, Tel.: +49 9131 8539324, Email: jochen.klucken@uk-erlangen.de

**Klug**, Dr. Rebecca, Abteilung Morphologie und Systematik, Johann-Friedrich-Blumenbach-Institut für Zoologie und Anthropologie, Berliner Straße 28, 37073, Göttingen, Tel.: +49 551 395517, Email: rklug@gwdg.de

**Klump**, Georg M., Animal Physiology & Behaviour, Oldenburg University, Carl-von-Ossietzky Str. 9-11, 26129, Oldenburg, Tel.: +49 441 7983400, Email: georg.klump@uni-oldenburg.de

**Klyuch**, Dr. Boris, School of Life Science, University of Warwick, Gibbet Hill Campus, CV4 7AL, Coventry, United Kingdom, Tel.: +44 2476 522559, Email: B.Klyuch@warwick.ac.uk

**Knipp**, Dr. Sabine, Cell Biology, University of Veterinary Medicine Hannover, Bischofsholer Damm 15/102, 30173, Hannover, Tel.: +49 511 8567768, Email: sabine.knipp@tiho-hannover.de

**Knippenberg**, Sarah, Department of Neurology, Medical School Hannover, Carl-Neuberg-Str. 1, 30615, Hannover, Tel.: +49 511 5323737, Email: Knippenberg.Sarah@mh-hannover.de

**Knipper**, Prof. Dr. Marlies, HNO-Klinik, Molekulare Hoerphysiologie, Universität Tübingen, Elfriede-Aulhorn-Straße 5, 72076, Tübingen, Tel.: +49 7071 2988244, Email: marlies.knipper@uni-tuebingen.de

**Knopp**, Marcus, Dept Bonhöffer, Max-Planck-Institute of Neurobiology, Am Klopferspitz 18, 82152, Martinsried, Tel.: +49 89 85783642, Email: mknopp@neuro.mpg.de

**Knoth**, Christiane, Department of Psychiatry and Psychotherapy, University Medical Center Mainz, Untere Zahlbacher Str. 8, 55131, Mainz, Tel.: +49 6131 177010, Email: knoth\_c@psychiatrie.klinik.uni-mainz.de

**Kobbenbring**, Simon, Molecular Neurobiology of Behavior, University of Göttingen, Grisebachstraße 5, 37077, Göttingen, Tel.: +49 551 3919722, Email: simon.kobbenbring@stud.uni-goettingen.de

**Kobe**, Dr. Fritz, CMPB / Neuro- and Sensory Physiology, University of Göttingen, Humboldtallee 23, 37073, Göttingen, Tel.: +49 551 3912198, Email: fkobe@gwdg.de

**Koch**, Prof. Michael, Neuropharmacology, Brain Research Institute, POB 330440, 28334, Bremen, Tel.: +49 421 21862970, Email: michael.koch@uni-bremen.de

**Koch**, Dr. Jan Christoph, Neurology, University Medicine Göttingen, Robert-Koch-Str.40, 37075, Göttingen, Tel.: +49 551 394749, Email: jkoch@med.uni-goettingen.de

**Koch**, Sarah, Neurobiology, University of Konstanz, Universitätsstr. 10, 78456, Konstanz, Tel.: +49 7531 883205, Email: sarah.koch@uni-konstanz.de

**Kochlamazashvili**, Dr. Gaga, Neuroscience and Brain Technologies, Fondazione Istituto Italiano di Tecnologia, Via Morego 30, 16163, Genova, Italy, Tel.: +39 10 71781750, Email: gaga.kochlamazashvili@iit.it

**Kochubey**, PhD Olexiy, Laboratory of Synaptic Mechanisms, Brain Mind Institute, École Polytechnique Fédérale de Lausanne (EPFL), Station 19, 01015, Lausanne, Switzerland, Tel.: +41 21 6931608, Email: olexiy.kochubey@epfl.ch

**Kohl**, Tobias, Department of Neurobiology, University of Bonn, Poppelsdorfer Schloss, 53115, Bonn, Tel.: +49 228 735476, Email: kohl@uni-bonn.de

**Koehr**, Dr. Georg, Molecular Neurobiology, Max Planck Institute for Medical Research, Jahnstraße 29, 69120, Heidelberg, Tel.: +49 6221 486102, Email: Koehr@mpimf-heidelberg.mpg.de



**Kolbaev**, Dr. Sergej, Institut für Physiologie und Pathophysiologie, Universitätsmedizin der Johannes-Gutenberg-Universität, Duesbergweg 6, 55128, Mainz, Tel.: +49 6131 3926101, Email: kvvt\_2000@yahoo.com

**Kollmann**, PhD Martin, Tierphysiologie, Philipps-Universität Marburg, Karl-von-Frisch-Straße 8, 35043, Marburg, Tel.: +49 6421 2823475, Email: Kollmann@students.uni-marburg.de

**Kolodziej**, Dr. Angela, Biofuture Research Group, Leibniz-Institut für Neurobiologie, Brenneckestraße 6, 39118, Magdeburg, Tel.: +49 391 6263323, Email: angela.kolodziej@ifn-magdeburg.de

**Komuniecki**, Prof. Richard Walter, Biological Sciences, University of Toledo, 2801 West Bancroft St., 43606-3390, Toledo, Ohio, USA, Tel.: +1 419 5301545, Email: rkomuni@utnet.utoledo.edu

**Koenig**, Brigitte, Department of Neurology, University of Düsseldorf, Molecular Neurobiology Laboratory, Moorenstr.5, 40225, Düsseldorf, Tel.: +49 211 8114436, Email: Brigitte.Koenig@uni-duesseldorf.de

**Koenecke**, Birte, Department of Neurology, Georg-August-University Göttingen, Robert-Koch-Str 40, 37075, Göttingen, Tel.: +49 551 399506, Email: bkoenne@gwdg.de

**Kononenko**, PhD Natalia L., Institute of Chemistry and Biochemistry, FU Berlin/Charite University Medicine Berlin, Takustr. 6, 14195, Berlin, Tel.: +49 838 56915, Email: kononata@chemie.fu-berlin.de

**Koepcke**, Lena Sophie, Computational Neuroscience, University of Oldenburg, Carl-von-Ossietzky-Str. 9-11, 26111, Oldenburg, Tel.: +49 441 7983608, Email: lena.s.koepcke@uni-oldenburg.de

**Koeppl**, Prof. Christine, Institut für Biologie und Umweltwissenschaften, Fak. V, Carl-von-Ossietzky Universität, Carl-von-Ossietzky Straße, 26111, Oldenburg, Tel.: +49 441 7983563, Email: christine.koeppl@uni-oldenburg.de

**Koerber**, Christoph, Institute for Anatomy and Cell Biology, University of Heidelberg, Im Neuenheimer Feld 307, 69120, Heidelberg, Tel.: +49 6221 548601, Email: koerber@ana.uni-heidelberg.de

**Korsching**, Prof. Dr. Sigrun I., Biocenter, Institut für Genetik, Zülpicher Str. 47a, 50674, Koeln, Tel.: +49 221 4704843, Email: sigrun.korsching@uni-koeln.de

**Korz**, Dr. Volker, Institute of Biology, Otto von Guericke University, Leipziger Str. 44, Bldg. 91, 39120, Magdeburg, Tel.: +49 391 6755007, Email: volker.korz@ovgu.de

**Kostarakos**, Dr. Kostas, Department of Zoology, University of Cambridge, Downing street, CB2 3EJ, Cambridge, United Kingdom, Tel.: +44 1223 769013, Email: kk437@cam.ac.uk

**Kovalchuk**, Dr. Yury, Institute of Physiology II, University Tübingen, Keplerstr 15, 72074, Tübingen, Tel.: +49 7071 2973646, Email: y.kovalchuk@medizin.uni-Tuebingen.de

**Kozmik**, PhD Zbynek, Transcriptional Regulation, Institute of Molecular Genetics, Videnska 1083, 14220, Praha 4, Czech Republic, Tel.: +42 02 41062146, Email: kozmik@img.cas.cz

**Kozyrev**, Dr. Vladislav, Cognitive Neuroscience Laboratory, German Primate Center, Kellnerweg 4, 37077, Göttingen, Tel.: +49 551 3851355, Email: vkozyrev@dpz.gwdg.de

**Krahe**, Dr. Rüdiger, Department of Biology, McGill University, 1205 Ave. Docteur Penfield, H3A1B1, Montreal, Canada, Tel.: +1 514 3988065, Email: rudiger.krahe@mcgill.ca

**Kramer**, Florian, Animal Physiology Group, University of Kaiserslautern, Erwin-Schrödinger-Str.13, 67663, Kaiserslautern, Tel.: +49 631 2053257, Email: F.kramer@biologie.uni-kl.de

**Krämer**, Stefanie, Department of Biology, Behavioural Physiology Group, Humboldt Universität zu Berlin, Invalidenstraße 43, 10115, Berlin, Tel.: +49 30 20938729, Email: stefanie.kraemer@biologie.hu-berlin.de

**Krause**, PhD Tammo, Zoology III Neurobiology, Johannes Gutenberg University, Colonel-Kleinmann-Weg 2, 55099, Mainz, Tel.: +49 6131 3922197, Email: krauset@uni-mainz.de

**Krauß**, Annemarie, Department of Congenital Heart Diseases, Deutschers Herzzentrum Berlin, Augustenburger Platz 1, 13353, Berlin, Tel.: +49 30 45932806, Email: annemarie.krauss@charite.de



**Kreile**, M. Sc. Anne Kristina, Department of Cellular and Systems Neurobiology, Max Planck Institute of Neurobiology, Am Klopferspitz 18, 82152, Martinsried, Tel.: +49 89 85783671, Email: anne.kreile@neuro.mpg.de

**Kreiter**, Prof. Andreas, Center for Cognitive Science, University of Bremen, P.O. Box 33 04 40, 28334, Bremen, Tel.: +49 421 2189093, Email: kreiter@brain.uni-bremen.de

**Krempler**, Katja, Institut für Allgemeine Zoologie und Tierphysiologie, Friedrich-Schiller-Universität Jena, Erbertstraße 1, 07743, Jena, Tel.: +49 3641 949133, Email: katja.krempler@uni-jena.de

**Kress**, Sigrid, Department Biology II, Ludwig-Maximilians-University München Division of Neurobiology, Großhaderner Straße 2, 82152, Martinsried, Tel.: +49 89 218074315, Email: kress@bio.lmu.de

**Kretschmer**, Viola, Neurobiologie, Universität Oldenburg, Carl-von-Ossietzky-Str. 9-11, 26129, Oldenburg, Tel.: +49 441 7983316, Email: viola@kretschmer.it

**Kretschmer**, Friedrich, Computational Neuroscience, Universität Oldenburg, Carl-von-Ossietzky-Straße 9-11, 26129, Oldenburg, Tel.: +49 441 7983316, Email: friedrich.kretschmer@uni-oldenburg.de

**Kretz**, Dr. med. Oliver, Center for Neurosciences, University Freiburg, Albertstr. 23, 79104, Freiburg, Tel.: +49 761 2038424, Email: oliver.kretz@anat.uni-freiburg.de

**Kretz**, Dr. Alexandra, Department of Neurology, University of Jena Medical School, Erlanger Allee 101, 07747, Jena, Tel.: +49 3641 936739, Email: alexandra.kretz@med.uni-jena.de

**Kretzberg**, Dr. Jutta, Computational Neuroscience, University of Oldenburg, Carl-von-Ossietzky-Str. 9-11, 26129, Oldenburg, Tel.: +49 441 7983314, Email: jutta.kretzberg@uni-oldenburg.de

**Krieger**, Dr. Jürgen, Institute of Physiology, University of Hohenheim, Garbenstr.30, 70599, Stuttgart, Tel.: +49 711 45922265, Email: Juergen.Krieger@uni-hohenheim.de

**Krieger**, Jakob, Cytologie und Evolutionsbiologie, Ernst-Moritz-Arndt Universität Greifswald, Johann-Sebastian-Bach-Straße 11/12, 17487, Greifswald, Tel.: +49 3834 864276, Email: jakob.krieger@uni-greifswald.de

**Kriener**, Dr. Birgit, Institute of Mathematical Sciences and Technology, Norwegian University of Life Sciences, Ås, Norway, PO Box 5003, 01432 Ås, Norway, Tel.: +47 6496 5425, Email: kriener@nld.ds.mpg.de

**Krishna**, Dr. B. Suresh, Cognitive Neuroscience Laboratory, Bernstein Center for Computational Neuroscience and German Primate Center, 4 Kellnerweg, 37077, Göttingen, Tel.: +49 551 385131, Email: skrishna@dpz.eu

**Krishnamoorthy**, Vidhyasankar, Visual Coding Group, Max Planck Institute of Neurobiology, Am Klopferspitz 18, 82152, Martinsried, Tel.: +49 89 85783469, Email: vidhya@neuro.mpg.de

**Kroecher**, Tim, Institute of Cellular Chemistry, Hannover Medical School, Carl-Neuberg-Str. 1, 30625, Hannover, Tel.: +49 511 5323367, Email: kroecher.tim@mh-hannover.de

**Kroeger**, Prof. Dr. Stephan, Physiologische Genomik, Ludwig-Maximilians Universität, Schillerstraße 46, 80336, München, Tel.: +49 89 218075526, Email: skroeger@lmu.de

**Kromer**, Thomas, Münsterklinik Zwiefalten, ZfP Südwürttemberg, Hauptstraße 9, 88529, Zwiefalten, Tel.: +49 731 4013211, Email: thomas.kromer@t-online.de

**Kropf**, Jan, Biozentrum Zoology II, University of Würzburg, Am Hubland, 97074, Würzburg, Tel.: +49 931 3186977, Email: jan.kropf@biozentrum.uni-wuerzburg.de

**Krügel**, Dr. Ute, Institute of Pharmacology and Toxicology, University of Leipzig, Haertelstraße 16-18, 04107, Leipzig, Tel.: +49 341 9713007, Email: ute.kruegel@medizin.uni-leipzig.de

**Krupp**, Dr. Alexander J., Synaptic Receptor Trafficking, Max-Planck-Institut für Neurobiologie, Am Klopferspitz 18, 82152, Martinsried, Tel.: +49 89 85783690, Email: krupp@neuro.mpg.de

**Kruska**, Nicol, Institut für Neurobiochemie, Otto-von-Guericke-Universität Magdeburg, Leipziger Str. 44, 39120, Magdeburg, Tel.: +49 391 6713892, Email: nicol.kruska@med.ovgu.de

**Ku**, Min-Chi, cellular Neuroscience, Max-Delbrück-Centrum für Molekulare Medizin (MDC), Robert-Rössle-Str. 10, 13125, Berlin, Tel.: +49 30 94063723, Email: min-chi.ku@mdc-berlin.de

**Kuang**, Shenbing, Sensorimotor Group, German Primate Center, Kellnerweg 4, 37077, Göttingen, Tel.: +49 551 3851360, Email: skuang@gwdg.de

**Kubista**, Dr. Helmut, Institute of Pharmacology, Medical University of Vienna, Center of Physiology and Pharmacology, Währingerstraße 13a, 01090, Vienna, Austria, Tel.: +43 1 427764107, Email: helmut.kubista@meduniwien.ac.at

**Kudryavitskaya**, Elena, Functional Neuroanatomy, Institute of Anatomy and Cell Biology, University of Heidelberg, Im Neuenheimer Feld, 69120, Heidelberg, Tel.: +49 6221 548678, Email: kudryavitskaya@ana.uni-heidelberg.de

**Kuebler**, Linda S., Evolutionary Neuroethology, Max-Planck-Institut für Chemical Ecology, Hans-Knöll-Straße 8, 07745, Jena, Tel.: +49 3641 571444, Email: lkuebler@ice.mpg.de

**Kuenzel**, Dr. Thomas, Dept. of Neuroscience, Erasmus MC, P.O. box 2040, 3000 CA, Rotterdam, Netherlands, Tel.: +31 10 7043558, Email: t.kunzel@erasmusmc.nl

**Küffner**, PhD Mercedes, Institut für Neuroanatomie und Zellbiologie, Universität Freiburg, Albertstr. 17, 79104, Freiburg, Tel.: +49 761 2039526, Email: mercedes.kueffner@zfn.uni-freiburg.de

**Kugler**, PhD Eva, department of human biology, TU München, Liesel-Beckmann-Straße 4, 85350, Freising, Tel.: +49 8161 715488, Email: eva.kugler@mytum.de

**Kugler**, Günter, Institute of Clinical Neurosciences, Ludwig-Maximilians-University, Marchioninistr. 23, 81377, München, Tel.: +49 89 70954817, Email: guenter.kugler@lrz.uni-muenchen.de

**Kuklan**, Jonas, Lehrstuhl für Zellphysiologie, Ruhr-Universität Bochum, Universitätsstr. 150, Gebäude ND4/133, 44780, Bochum, Tel.: +49 234 3228841, Email: jonas.kuklan@rub.de

**Kullmann**, Jan, Neurobiology/Neurophysiology Group, TU Kaiserslautern, Erwin-Schrödinger-Str.13, 67653, Kaiserslautern, Tel.: +49 631 2055004, Email: jankullm@rhrk.uni-kl.de

**Kummer**, Michael, Universitätsklinikum Jena, Experimentelle Neurologie, Erlanger Allee 101, 07747, Jena, Tel.: +49 3641 9325999, Email: Michael.Kummer1@med.uni-jena.de

**Kunkel**, Susanne, Functional Neural Circuits Group, Bernstein Center Freiburg, Hansastr. 9a, 79104, Freiburg i. Br., Tel.: +49 761 2039319, Email: kunkel@bcf.uni-freiburg.de

**Kuntz**, Sara, Dept. of Zoology III - Neurobiology, Johannes Gutenberg-University Mainz, Colonel-Kleinmann-Weg 2, 55099, Mainz, Tel.: +49 6131 392726, Email: sakuntz@students.uni-mainz.de

**Kunz**, Dr. Lars, Neurobiology, LMU München, Großhaderner Str. 2, 82152, Martinsried, Tel.: +49 89 218074299, Email: Lars.Kunz@bio.lmu.de

**Kunze**, Dr. Jan, DFG, Programmdirektor Gruppe Lebenswissenschaften, Kennedyallee 40, 43175, Bonn, Tel.: +49 228 885-2297, Email: Jan.Kunze@dfg.de

**Kunzler**, Jan, Institut für Biologie, Otto-von-Guericke Universität, Magdeburg, Leipziger Straße 44 /Haus 91, 39120, Magdeburg, Tel.: +49 172 6837071, Email: j.kunzler@gmx.de

**Kuokkanen**, Paula Tuulia, Institute for Theoretical Biology, Humboldt-Universität zu Berlin, Invalidenstr. 43, 13357, Berlin, Tel.: +49 30 20938633, Email: p.kuokkanen@biologie.hu-berlin.de

**Kurt**, Dr. Simone, Institute of Neurobiology, University Ulm, Albert-Einstein-Allee 11, 89069, Ulm, Tel.: +49 731 5022648, Email: simone.kurt@uni-ulm.de

**Kurtenbach**, M. Sc. Stefan, Cellphysiology, Ruhr University Bochum, Eschenstr. 5, 44225, Dortmund, Tel.: +49 177 8634051, Email: Stefan.Kurtenbach@rub.de



**Kurtz**, Dr. Rafael, Neurobiology, Bielefeld University, Post Box 100131, 33501, Bielefeld, Tel.: +49 521 1065577, Email: rafael.kurtz@uni-bielefeld.de

**Kuscha**, Veronika, Centre for Neuroregeneration, University of Edinburgh, Little France Crescent, EH16 4SB, Edinburgh, United Kingdom, Tel.: +44 131 2459495, Email: v.kuscha@sms.ed.ac.uk

**Kuschka**, Jagoda, Department of Veterinary Medicine, Freie Universität Berlin, Institute of Pharmacology and Toxicology, Koserstraße 20, 14195, Berlin, Tel.: +49 30 83853215, Email: kuschka.jagoda@vetmed.fu-berlin.de

**Kutzki**, Olaf, Behavioral Physiology, Humboldt Universität zu Berlin, Invalidenstr. 42, 10115, Berlin, Tel.: +49 30 20938799, Email: Olaf.kutzki@web.de

## L

**Ladenbauer**, Josef, Neural Information Processing Group, Technische Universität Berlin, Franklinstr. 28/29, 10587, Berlin, Tel.: +49 30 31428915, Email: jl@cs.tu-berlin.de

**Lahvis**, PhD Gareth Paul, Department of Behavioral Neuroscience, L-470, Oregon Health and Science University, 3181 SW Sam Jackson Park Road, 97239, Portland, OR, USA, Tel.: +1 503 3460820, Email: lahvisg@ohsu.edu

**Lakes-Harlan**, Prof. Reinhard, Integrative Sensory Physiology, Institut für Tierphysiologie, Wartweg 95, 35392, Gießen, Tel.: +49 641 9935270, Email: Reinhard.Lakes-Harlan@uni-giessen.de

**Lam**, Judith, NWG Bethge, Bernstein Center Tübingen, Spemannstr. 41, 72076, Tübingen, Tel.: +49 7071 6011766, Email: jlam@bccn-Tuebingen.de

**Land**, Rüdiger, Institut für Audioneurotechnologie (VIANNA), Medizinische Hochschule Hannover, Feodor-Lynen-Straße 35, 30625, Hannover, Tel.: +49 511 7256, Email: land.ruediger@mh-hannover.de

**Landmann**, Julia, Allgemeine Zoologie und Tierphysiologie, Friedrich-Schiller-Universität Jena, Erbertstraße 1, 07743, Jena, Tel.: +49 3641 949124, Email: julia.landmann@uni-jena.de

**Lang**, Julian, Institut für Zellbiologie und Neurowissenschaften, Goethe-Universität Frankfurt, Siesmayerstr. 70A, 60323, Frankfurt/Main, Tel.: +49 172 8730630, Email: julilang@stud.uni-frankfurt.de

**Lange**, Maren Denise, Institut für Physiologie I, Westfälische Wilhelms-Universität, Robert-Koch-Str.27a, 48149, Münster, Tel.: +49 251 8355553, Email: m.lange@uni-Münster.de

**Lange**, Elena, Institute of Microanatomy and Neurobiology, University Medical Center, Mainz, Langenbeckstr.1, 55131, Mainz, Tel.: +49 6131 178086, Email: elena.lange@unimedizin-mainz.de

**Lange-Malecki**, Dr. Bettina, Cognitive Neuroscience Laboratory, German Primate Centre, Göttingen, Kellnerweg 4, 37077, Göttingen, Tel.: +49 551 3851344, Email: blange1@gwdg.de

**Lanshakov**, Dmitriy, Cortical development group, MPI Exp. Medicine, Institute of Cell Biology and Neurobiology, Charite, Hermann-Rein-Str.3, 37075, Göttingen, Tel.: +49 173 8335970, Email: lanshakov@em.mpg.de

**Lau**, Dr. Thorsten, Central Institute of Mental Health, Biochemical Laboratory, J5, 68159, Mannheim, Tel.: +49 621 17032906, Email: thorsten.lau@zi-mannheim.de

**Laudes**, Thomas, Institut für Physiologie, Otto-von-Guericke-Universität Magdeburg, Leipziger Str. 44, 39120, Magdeburg, Tel.: +49 391 6717979, Email: thomas.laudes@med.ovgu.de

**Lavista-Llanos**, Dr. Sofia, Evolutionary Neuroethology, Max Planck of Chemical Ecology, Hans-Knöll-Straße 8, 07745, Jena, Tel.: +49 3645 571465, Email: slavista-llanos@ice.mpg.de

**Lebenheim**, Lydia, Institut für Integrative Neuroanatomie, Charité, Philippstraße 12, 10115, Berlin, Tel.: +49 30 450536004, Email: lydia.lebenheim@charite.de

**Lebhardt**, Fleur, Biologie / Verhaltensphysiologie, HU Berlin, Invalidenstr. 43, 10115, Berlin, Tel.: +49 30 2093430487, Email: fleurlebhardt@gmx.de

**Lebouille**, PhD Gerard, Neurobiologie, Freie Universität Berlin, Königin-Luise-Str. 28/30, 14195, Berlin, Tel.: +49 30 83852058, Email: gerleb@zedat.fu-berlin.de

**Lee**, Margherita Maria, Molecular and Clinical Psychobiology, Clinic and Polyclinic for Psychiatry, Psych, University of Würzburg, Fuchsleinstr. 15, 97080, Würzburg, Tel.: +49 931 20177380, Email: maggielee@me.com

**Lefevre**, Catherine, Institute for Animal Physiology, Integrative Sensory Biology, University Gießen, Wartweg 95, 35392, Gießen, Tel.: +49 641 9935270, Email: Catherine.Lefevre@bio.uni-giessen.de

**Legler**, Christof, Biozentrum Institut für Tierphysiologie, AG Walkowiak, Universität zu Köln, Zülpicherstr. 47b, 50674, Köln, Tel.: +49 221 4703101, Email: leglerc@smail.uni-koeln.de

**Lehmann**, Konstantin, Institut für Biologie - Neurobiologie, Freie Universität Berlin, Königin-Luise-Str. 28/30, 14195, Berlin, Tel.: +49 30 83856880, Email: kle@zedat.fu-berlin.de

**Lehmann**, Sebastian J., Neurobiology, DPZ Göttingen, Kellnerweg 4, 37077, Göttingen, Tel.: +49 551 3851484, Email: slehmann@dpz.eu

**Lehmann**, Dr. Konrad, Institut für Allgemeine Zoologie und Tierphysiologie, Friedrich Schiller-Universität Jena, Erbertstr. 1, 07743, Jena, Tel.: +49 3641 949133, Email: Konrad.Lehmann@uni-jena.de

**Lehmann**, Jessica Anita-Frida, Lehrstuhl A für Mathematik RWTH Aachen, RWTH Aachen, Templergraben 55, 52056, Aachen, Tel.: +49 241 8090628, Email: jessica.lehmann@matha.rwth-aachen.de

**Lehmann**, Alexander, Molecular Neurogenetics, Max-Planck-Institut für Biophysik, Max-von-Laue-Straße 3, 60438, Frankfurt/Main, Tel.: +49 69 63034012, Email: Alexander.Lehmann@biophys.mpg.de

**Leibig**, Christian, Neurochip, Natural and Medical Science Institute at the University of Tuebingen, Markwiesenstraße 55, 72770, Reutlingen, Tel.: +49 7121 515300, Email: christian-leibig@web.de

**Leibinger**, Marco, Experimental Neurology, University of Ulm, Albert-Einstein-Allee 11, 89081, Ulm, Tel.: +49 731 50063075, Email: marco.leibinger@uni-ulm.de

**Leichsenring**, Dr. Anna, Rudolf-Boehm-Institute of Pharmacology and Toxicology, Universität Leipzig, Härtelstraße 16 - 18, 04107, Leipzig, Tel.: +49 341 9724627, Email: anna.leichsenring@medizin.uni-leipzig.de

**Leinders-Zufall**, Prof. Dr. Trese, Physiology, University of Saarland, Gebäude 58, 66421, Homburg, Tel.: +49 6841 1626590, Email: trese.leinders@uks.eu

**Leinweber**, Marcus, Department of Cellular and Systems Neurobiology, Max Planck Institute of Neurobiology, Am Klopferspitz 18, 82152, Martinsried, Tel.: +49 89 85783670, Email: leinweber@neuro.mpg.de

**Leipold**, Dr. Enrico, Department of Biophysics, Center of Molecular Biomedicine, Friedrich Schiller University of Jena, Hans-Knöll-St. 2, 07745, Jena, Tel.: +49 3641 9395654, Email: enrico.leipold@uni-jena.de

**Lendvai**, Dr. David, Department of Anatomy, Histology and Embryology, Semmelweis University - Budapest, Budapest, IX. Tuzolto u. 58., 01450, Budapest, Hungary, Tel.: +36 1 45915005363, Email: david.lendvai@gmail.com

**Lerner-Natoli**, PhD Mireille, Neurobiology, Institute of Functional Genomics, 141 rue de la Cardonille, 34094, Montpellier, France, Tel.: +33 434359220, Email: mireille.lerner-natoli@igf.cnrs.fr

**Leske**, Dr. Oliver, Biochemistry I Molecular Neurobiochemistry, Ruhr University Bochum, Faculty for Chemistry and Biochemistry, Universitätsstr. 150, 44780, Bochum, Tel.: +49 234 3226758, Email: oliver.leske@rub.de

**Lesting**, Dr. Joerg, Institute of Physiology 1, Westfälische Wilhelms-Universität Münster, Robert-Koch-Str. 27a, 48149, Münster, Tel.: +49 251 8355561, Email: lesting@uni-Münster.de

**Li**, Qin, Cellular Neurobiology, TU Braunschweig, Spielmannstraße 7, 38106, Braunschweig, Tel.: +49 531 3913228, Email: liqin8592@yahoo.com

**Lichtenecker**, Petra, Institute of Physiology, Otto-von-Guericke University, Leipziger Str. 44, 39120, Magdeburg, Tel.: +49 391 6715811, Email: petra.lichtenecker@med.ovgu.de

**Lie**, Dr. med. Dieter Chichung, Institute of Developmental Genetics, Helmholtz Zentrum München, Ingolstädter Landstraße 1, 85764, München, Tel.: +49 89 31872927, Email: chichung.lie@helmholtz-muenchen.de



**Liebau**, Arne, Auditory Neuroethology and Neurobiology, Institute of Zoology, University of Veterinary Medicine Hannover, Bünteweg 17, 30559, Hannover, Tel.: +49 511 9538427, Email: arne.liebau@tiho-hannover.de

**Liebig**, Luise, Section of Experimental Anaesthesiology, University of Tübingen, Schaffhausenstr. 113, 72072, Tübingen, Tel.: +49 7071 7936218, Email: luise.liebig@uni-tuebingen.de

**Liebl**, Martina, University Medical Center, Johannes Gutenberg University Mainz, Institute for Pathobiochemistry, Duesbergweg 6, 55128, Mainz, Tel.: +49 6131 3926805, Email: liebl@uni-mainz.de

**Liebscher**, Sabine, Department of Cellular and Systems Neurobiology, Max Planck Institute of Neurobiology, Am Klopferspitz 18, 82152, Martinsried, Tel.: +49 89 85783693, Email: Liebscher@neuro.mpg.de

**Liedmann**, Andrea, Albrecht-Kossel-Institute for Neuroregeneration (AKos), University of Rostock, Gehlsheimer Straße 20, 18147, Rostock, Tel.: +49 381 4949771, Email: andrea.liedmann@med.uni-rostock.de

**Linden**, Henrik Anders, Mathematical Sciences and Technology, Norwegian University of Life Sciences, P.O.Box 5003, 01432, Ås, Norway, Tel.: +47 96 691836, Email: henrik.linden@umb.no

**Lingor**, Dr. Paul, Department of Neurology, University Medicine Göttingen, R.-Koch-Str. 40, 37075, Göttingen, Tel.: +49 551 396951, Email: plingor@gwdg.de

**Linsmayer**, Denise, Institute of Microanatomy and Neurobiology, University Medical Center, Johannes Gutenberg-University Mainz, Langenbeckstraße 1, 55131, Mainz, Tel.: +49 6131 178086, Email: denise.linsmayer@unimedizin-mainz.de

**Linzenbold**, Walter, Section Neuropsychology, Hertie Institute for Clinical Brain Research, Hoppe-Seyler-Str. 3, 72076, Tübingen, Tel.: +49 7071 84820, Email: walter.linzenbold@klinikum.uni-tuebingen.de

**Lipke**, Elisabeth, Unit for Developmental Biology and Morphology of Animals, RWTH Aachen University, Institute for Biology II, Mies-van-der-Rohe-Straße 15, 52056, Aachen, Tel.: +49 241 8024863, Email: lipke@bio2.rwth-aachen.de

**Lippert**, Michael T., Akustik Lernen Sprache, Leibniz-Institute for Neurobiology, Brennekestr. 6, 39118, Magdeburg, Tel.: +49 391 6263347, Email: mlippert@ifn-magdeburg.de

**Liu**, Dr. Yu, Developmental Neurobiology AG Boyan, Biozentrum LMU, Großhaderner Str. 2, 82152, Martinsried, Tel.: +49 89 218074313, Email: yu.liu@bio.lmu.de

**Liu**, PhD Hai-Kun, Helmholtz Professorship Molecular Biology of the Cell I, German Cancer Research Center (DKFZ), Im Neuenheimer Feld 581, 69120, Heidelberg, Tel.: +49 6221 423420, Email: l.haikun@dkfz.de

**Lochte**, Anja, cognitive neuroscience laboratory, DPZ, Kellnerweg 4, 37077, Göttingen, Tel.: +49 551 3851354, Email: alochte@gwdg.de

**Loebel**, PhD Alex, Neurobiology, LMU, Großhaderner Str. 2-4, 82152, München, Tel.: +49 89 218074820, Email: alex.loebel@gmail.com

**Lohr**, Dr. Christian, Abteilung für Tierphysiologie, Universität Hamburg, Martin-Luther-King Platz 3, 20146, Hamburg, Tel.: +49 40 428385924, Email: christian.lohr@uni-hamburg.de

**Lopes da Fonseca**, Tomás Ribeiro da Sil, Cell and Molecular Neuroscience Unit, Instituto de Medicina Molecular, Avenida Professor Egas Moniz, 1649-028, Lisboa, Portugal, Tel.: +351 91 6291206, Email: tlopesdafonseca@gmail.com

**Lorbeer**, Christina, Cell Biology, University of veterinary medicine, Bischofsholer Damm 15, 30173, Hannover, Tel.: +49 511 8567766, Email: Christina.Lorbeer@TiHo-Hannover.de

**Loreth**, Desiree, Center for Neurosciences, University Freiburg, Albertstr. 23, 79104, Freiburg, Tel.: +49 761 2038424, Email: desiree.loreth@zfn.uni-freiburg.de

**Loser**, PhD Michael Hans, Developmental Neurobiology AG Boyan, Biozentrum LMU, Großhaderner Str. 2, 82152, Martinsried, Tel.: +49 89 218074354, Email: michaelloser@gmx.de

**Lüdke**, Dr. Alja, Neurobiology AG Galizia, Universität Konstanz, Fach M 624, 78457, Konstanz, Tel.: +49 7531 882115, Email: alja.luedke@uni-konstanz.de

**Ludolph**, Prof. Dr. Albert Christian, Neurologie, Universitätsklinik Ulm, Oberer Eselsberg 45, 89081, Ulm, Tel.: +49 731 1771200, Email: Albert.Ludolph@rku.de

**Lüdtke**, Wibke Michaela, Institut of Zoology, University of Bonn, Poppelsdorfer Schloss, 53115, Bonn, Tel.: +49 228 733807, Email: herself@wibke-luedtke.de

**Ludwig**, PhD Mike, Centre for Integrative Physiology, University of Edinburgh, George Square, EH89XD, Edinburgh, United Kingdom, Tel.: +44 131 6503275, Email: mike.ludwig@ed.ac.uk

**Luebbert**, Matthias, Department of Cell Physiology, Ruhr University Bochum, Universitätsstr. 150, 44780, Bochum, Tel.: +49 234 3226718, Email: matthias.luebbert@rub.de

**Luhmann**, Dr. Heiko J., Medical Center University of Mainz, Institute of Physiology and Pathophysiology, Duesbergweg 6, 55128, Mainz, Tel.: +49 6131 3926070, Email: luhmann@uni-mainz.de

**Luksch**, Dr. Harald, Lehrstuhl für Zoologie, Technische Universität München, Liesel Beckmann-Straße 4, 85354, Freising, Tel.: +49 8161 712800, Email: harald.luksch@wzw.tum.de

**Lüthy**, Kevin Alan, Neurogenetik, Universität Freiburg, Schänzlestr. 1, 79104, Freiburg, Tel.: +49 761 2032759, Email: kevin.luethy@biologie.uni-freiburg.de

**Lyzwa**, Dominika, Nonlinear Dynamics, MPI Dynamics and Self-Organization, Bunsenstrasse 10, 37073, Göttingen, Tel.: +49 551 5176478, Email: dominika@nld.ds.mpg.de

## M

**Maas**, Almuth, Department Zoology/Developmental Neurobiology, Otto von Guericke University, Institute of Biology, Leipziger Str. 44, 39120, Magdeburg, Tel.: +49 391 6755015, Email: almuth.maas@ovgu.de

**Maass**, Sandra, Institute of Physiology, Otto-von-Guericke University, Leipziger Straße 44, 39112, Magdeburg, Tel.: +49 391 6717979, Email: sandra.maass@st.ovgu.de

**MacIver**, PhD Malcolm A., Mechanical Engineering, Neurobiology and Physiology, Northwestern University, 2145 Sheridan Rd, Tech B224, 60208, Evanston, USA, Tel.: +1 773 7938523, Email: maciver@northwestern.edu

**Madai**, Vince Istvan, Department of Neuroanatomy and Center for Stroke Research Berlin, Charité Universitätsmedizin Berlin, Chariteplatz 1, 10117, Berlin, Tel.: +49 30 450560650, Email: vince\_istvan.madai@charite.de

**Maggio**, Dr. Nicola, Neurobiology, The Weizmann Institute of Science, Herzl St., 76100, Rehovot, Israel, Tel.: +972 8 9342557, Email: nicmaggio@gmail.com

**Magin**, Sandra, Physiologisches Institut, Universität des Saarlandes, Gebäude 59, 66421, Homburg, Tel.: +49 6841 1626032, Email: sandra-magin@web.de

**Mai**, Bettina, Biologisches Institut, Abteilung Tierphysiologie, Universität Stuttgart, Pfaffenwaldring 57, 70569, Stuttgart, Tel.: +49 711 68565005, Email: bettina.mai@gmx.net

**Mai**, Oliver, Institute for Neural Signal Transduction, ZMNH, Falkenried 94, 20251, Hamburg, Tel.: +49 40 741055068, Email: oliver.mai@zmnh.uni-hamburg.de

**Maia Chagas**, M. Sc. Andre, Cognitive Neurology, Hertie-Institute for Clinical Brain Research, Eberhard Karls University, Hoppe-Seyler-Straße 3, 72076, Tuebingen, Tel.: +49 7071 2987643, Email: andre.chagas@klinikum.uni-tuebingen.de



**Maier**, Silke, Zoologisches Institut, AG Walkowiak, Universität zu Köln, Zülpicher Str. 47b, 50674, Köln, Tel.: +49 221 4703101, Email: smaier2@uni-koeln.de

**Maier**, Florian Christoph, Laboratory for Preclinical Imaging and Imaging Technology of the Werner Siemens-University of Tübingen, Röntgenweg 13, 72076, Tübingen, Tel.: +49 7071 2982975, Email: florian.maier@med.uni-tuebingen.de

**Maimari**, M. Sc. Ioulia, Cognitive Neuroscience Laboratory, German Primate Center (DPZ), Kellnerweg 4, 37077, Göttingen, Tel.: +49 551 3851344, Email: imaimari@dpz.eu

**Maimon**, PhD Gaby, Laboratory of Integrative Brain Function, The Rockefeller University, 1230 York Ave / Mailbox 294, 10065, New York, USA, Tel.: +1 617 5496028, Email: maimon@rockefeller.edu

**Malik**, Katharina, Universitätsklinikum Düsseldorf, AG Mol. Neurobiologie, Neurologische Uniklinik, Moorenstraße 5, 40225, Düsseldorf, Tel.: +49 211 8118985, Email: Katharina.Malik@uni-duesseldorf.de

**Malkemper**, Pascal, Department of Animal Physiology, Ruhr-University Bochum, Universitätsstr. 150, 44780, Bochum, Tel.: +49 234 3224483, Email: pascal.malkemper@rub.de

**Mamasuew**, Katharina, Institute of Physiology, University of Hohenheim, August-von-Hartmannstraße 3, 70599, Stuttgart, Tel.: +49 711 45922270, Email: katharina.mamasuew@gmx.de

**Mandon**, Dr. Sunita, Institut für Hirnforschung, Universität Bremen, FB 2, Hochschulring 16 a, 28359, Bremen, Tel.: +49 421 2189517, Email: mandon@brain.uni-bremen.de

**Mannewitz**, Anja, Zoology/Developmental Neurobiology, Otto von Guericke University, Institute of Biology, Leipziger Str. 44, Bldg. 91, 39120, Magdeburg, Tel.: +49 391 6755015, Email: anja.mannewitz@st.ovgu.de

**Manoli**, Martha, Biology 1, University of Freiburg, Hauptstraße 1, 79104, Freiburg, Tel.: +49 761 2032581, Email: martha.manoli@biologie.uni-freiburg.de

**Manzke**, Dr. Dr. Till, Neuro- and Sensory Physiology, Medical University of Göttingen, Humboldtallee 23, 37073, Göttingen, Tel.: +49 551 394961, Email: tmanzke@gwdg.de

**Marcotti**, Dr. Walter, Biomedical Science, University of Sheffield, Western Bank, S10 2TN, Sheffield, United Kingdom, Tel.: +44 114 2221098, Email: w.marcotti@sheffield.ac.uk

**Marinc**, PhD Christiane, Institut für Integrative Neuroanatomie, Charité, Centrum 2, Philippstraße 15, 10115, Berlin, Tel.: +49 30 450528414, Email: christiane.marinc@charite.de

**Markram**, Prof. Henry, SV-BMI-LNMC, Ecole Polytechnique Fédérale de Lausanne, Station 15, 01015, Lausanne, Switzerland, Tel.: +41 21 6939569, Email: henry.markram@epfl.ch

**Marshall**, Prof. Dr. Lisa, Institut für Neuroendokrinologie, Universität zu Lübeck, Ratzeburger Allee 160, 23538, Lübeck, Tel.: +49 451 3644, Email: marshall@kfg.uni-luebeck.de

**Marter**, Kathrin, Neurobiologie, Freie Universität Berlin, Königin-Luise-Str. 28/30, 14195, Berlin, Tel.: +49 30 83856454, Email: k.marter@fu-berlin.de

**Martineau**, Dr. Magalie, Zellbiophysik, Institut für Medizinische Physik und Biophysik, Robert-Koch-Straße 31, 48149, Münster, Tel.: +49 251 8363826, Email: magmart@uni-muenster.de

**Martin-Villalba**, PD Dr. Ana, Molecular Neurobiology (G381), German Cancer Research Center, Im Neuenheimer Feld 581, 69120, Heidelberg, Tel.: +49 6221 423766, Email: a.martin-villalba@dkfz.de

**Marx**, PhD Christine, MMI, Max-Planck-Institute for Neurological Research, Gleueler Straße 50, 50931, Köln, Tel.: +49 221 4726614, Email: Christine.Marx@nf.mpg.de

**Mashaly**, Dr. Ashraf Mohamed Ali, Department of Zoology, College of Science, King Saud University, 2455, 11451, Riyadh, Saudi Arabia, Tel.: +966 1 4673465, Email: mashaly00@yahoo.com

**Máté**, Zsuzsanna, Department of Public Health, University of Szeged, Dóm tér 10, 06720, Szeged, Hungary, Tel.: +36 62 545119, Email: matezs@puhe.szote.u-szeged.hu



**Mathis**, Alexander, Herz, BCCN, Grosshaderner Str. 2, 82152, Martinsried, Tel.: +49 176 24033175, Email: mathis@bio.lmu.de

**Maunsell**, PhD John HR, Department of Neurobiology, Harvard Medical School, 220 Longwood Avenue, 02115, Boston, USA, Tel.: +1 617 4326779, Email: maunsell@hms.harvard.edu

**Mayer**, Christian, Institute for Neural Signal Transduction, Center for Molecular Neurobiology (ZMNH), Falkenried 94, 20251, Hamburg, Tel.: +49 40 741055068, Email: christian.mayer@zmnh.uni-hamburg.de

**Mayer**, M. Sc. Uwe, Neuroethology Group, University of Bielefeld, Postfach 100131, 33501, Bielefeld, Tel.: +49 521 1062707, Email: uwe.mayer@uni-bielefeld.de

**Mazurova**, Prof. Yvona, Dept. of Histology and Embryology, Fac. of Medicine in Hradec Kralove, Charles Univ. in Prague, Simkova 870, P.O. Box 38, 500 38, Hradec Kralove, Czech Republic, Tel.: +42 495 5816440, Email: mazurova@lfhk.cuni.cz

**Mazuoli**, Dr. Gemma, Human Biology, Technische Universität München, Liesel-Beckmann-Straße, 85354, Freising, Tel.: +49 8161 715488, Email: gemma.mazuoli@wzw.tum.de

**McAfoose**, Jordan, Division of Psychiatry Research, University of Zürich, August-Forel-Straße 1, 08008, Zürich, Switzerland, Tel.: +41 044 6348864, Email: jordan.mcafoose@bli.uzh.ch

**Meckenhäuser**, Gundula, Theoretical Neuroscience & Neuroinformatics, FU Berlin, Kaiserin-Augusta-Allee 44, 10589, Berlin, Tel.: +49 030 83857292, Email: gundula.meckenhäuser@fu-berlin.de

**Mecklenburg**, Nora, Experimental Neurobiology, Institute of Neuroscience, Alicante, Campus de San Juan, 03550, San Juan de Alicante, Spain, Tel.: +349 627 032499, Email: nmecklenburg@umh.es

**Medini**, PhD Paolo, Neuroscience and Brain Technologies, Fondazione Istituto Italiano di Tecnologia, Via Morego 30, 16163, Genova, Italy, Tel.: +39 10 71781518, Email: paolo.medini@iit.it

**Mehlhorn**, Dr. Julia, C.&O. Vogt Institute of Brain Research, University of Düsseldorf, Universitätsstraße 1, 40225, Düsseldorf, Tel.: +49 211 2393118, Email: julia.mehlhorn@uni-duesseldorf.de

**Mehrpour**, M. Sc. Vahid, Cognitive Neuroscience Laboratory (CNL), German Primate Center (DPZ), Kellnerweg 4, 37077, Göttingen, Tel.: +49 551 3851345, Email: vmehrpour@dpz.eu

**Meigen**, Dr. Thomas, Elektrophysiologisches Labor, Univ.-Augenklinik Würzburg, Josef-Schneider-Str. 11, 97080, Würzburg, Tel.: +49 931 20120437, Email: t.meigen@augenklinik.uni-wuerzburg.de

**Meis**, Dr. Susanne, Institute of Physiology, Otto-von-Guericke University, Leipzigerstr. 44, 39120, Magdeburg, Tel.: +49 391 6713676, Email: susanne.meis@med.ovgu.de

**Meisenberg**, Annika Christina, Institute of Structural Biology and Biophysics, Forschungszentrum Jülich GmbH, Wilhelm-Johnen-Straße, 52425, Jülich, Tel.: +49 2461 613255, Email: ameisenb@smail.uni-koeln.de

**Meka**, PhD V. V. Durga Praveen, Development and maintenance of the nervous system, Centre for Molecular Neurobiology Hamburg (ZMNH), Falkenried 94, 20251, Hamburg, Tel.: +49 40 741055394, Email: praveen.meka@zmnh.uni-hamburg.de

**Memmesheimer**, Dr. Raoul-Martin, Dept. for Neuroinformatics, Radboud University Nijmegen, Heyendaalseweg 135, 6525 AJ, Nijmegen, Netherlands, Tel.: +31 24 3652166, Email: r.memmesheimer@science.ru.nl

**Mencl**, Stine, Cell death mechanisms, University of Tübingen, Institute for Ophthalmic Research, Röntgenweg 11, 72076, Tübingen, Tel.: +49 7071 2984781, Email: stine.mencl@klinikum.uni-tuebingen.de

**Mendl**, Christian Bernhard, Junior Research Group Visual Coding, MPI Neurobiology, München, Am Klopferspitz 18, 82152, Martinsried, Tel.: +49 89 85783468, Email: mendl@neuro.mpg.de

**Mendritzki**, Sonja, Department of Animal Physiology, Ruhr-University Bochum, Universitätsstr. 150, 44780, Bochum, Tel.: +49 234 3224483, Email: sonjamendritzki@aol.com

**Merschbächer**, PhD Katja, Dept. 8.3 Bioscience - Zoology and Physiology, Saarland University, Post Office Box 151150, 66041, Saarbrücken, Tel.: +49 681 30258136, Email: k.merschbaecher@mx.uni-saarland.de



**Merten**, M. Sc. Katharina, Animal Physiology, Institute of Neurobiology, University of Tübingen, Auf der Morgenstelle 28, 72076, Tübingen, Tel.: +49 174 7417624, Email: katharina.merten@medizin.uni-tuebingen.de

**Mertes**, Marcel, Department of Neurobiology, Bielefeld University, Center of Excellence 'Cognitive Interaction Technology', Postfach 100131, 33501, Bielefeld, Tel.: +49 521 5732, Email: Marcel.Mertes@uni-bielefeld.de

**Meseke**, Dr. Maurice, Institute of Anatomy I, University of Hamburg, Martinistr. 52, 20246, Hamburg, Tel.: +49 40 741053578, Email: m.meseke@uke.uni-hamburg.de

**Messemer**, Nanette, Rudolf-Boehm-Institut für Pharmakologie und Toxikologie, Universität Leipzig, Härtelstraße 16-18, 04107, Leipzig, Tel.: +49 341 9724698, Email: Nanette.Messemer@medizin.uni-leipzig.de

**Metzger**, Jennifer, Molecular Neurobiology, Natural and Medical Institute at the University of Tübingen, Markwiesenstr.55, 72770, Reutlingen, Tel.: +49 7121 51530867, Email: jennifer.metzger@nmi.de

**Meyer**, Katrin, Neuronale und Verhaltensplastizität, Leibniz Institut for Neurobiology, Brenneckestraße 6, 39120, Magdeburg, Tel.: +49 175 8578580, Email: katrin.meyer@ovgu.de

**Meyer**, Daniel, Cellular and Systems Neurobiology, Max Planck Institute of Neurobiology, Am Klopferspitz 18, 82152, München, Tel.: +49 89 85783685, Email: dmeyer@neuro.mpg.de

**Meyer**, M. Sc. Arndt, Neurobiology, University of Oldenburg, Carl-von-Ossietzky-Straße 9-11, 26111, Oldenburg, Tel.: +49 441 7983202, Email: arndt.meyer@uni-oldenburg.de

**Meyer**, M. Sc. Hanno Gerd, Department of Neurobiology, Bielefeld University, P.O. Box 10 01 31, 33501, Bielefeld, Tel.: +49 521 1065733, Email: hanno.meyer@uni-bielefeld.de

**Meyer**, M. Sc. Arne-Freerk, Medical Physics Section, Carl von Ossietzky University Oldenburg, Carl-von-Ossietzky-Str. 9-11, 26111, Oldenburg, Tel.: +49 441 7983249, Email: arne.f.meyer@uni-oldenburg.de

**Meyer-Lindenberg**, Prof. Andreas, Psychiatry and Psychotherapy, Central Institute of Mental Health, J 5, 68159, Mannheim, Tel.: +49 621 17032001, Email: a.meyer-lindenberg@zi-mannheim.de

**Michaelson**, PhD Kristin, Cellular Neurobiology, TU Braunschweig, Spielmannstr. 7, 38106, Braunschweig, Tel.: +49 176 22880626, Email: k.michaelson@tu-bs.de

**Micheal**, Dr. Anton Ilango, Bio future Group-Neuroprostheses, Leibniz Institute for Neurobiology 6, Brenneckestraße, 39118, Magdeburg, Tel.: +49 391 6263344, Email: milango@ifn-magdeburg.de

**Michels**, Dr. Birgit, Institut für Biologie, Lehrstuhl für Genetik, Universität Leipzig, Talstraße 33, 04103, Leipzig, Tel.: +49 160 90281407, Email: birgit.michels@biozentrum.uni-wuerzburg.de

**Milkereit**, Daniel, Experimental Neuropediatrics, Center for Molecular Neurobiology Hamburg (ZMNH), Falkenried 94, 20251, Hamburg, Tel.: +49 40 741056651, Email: daniel.milkereit@zmnh.uni-hamburg.de

**Minoli**, Dr. Sebastian Antonio, Unite Mixte de Recherches en Physiologie d'Insectes-Signalisation et communication, INRA, Centre de Recherches de Versailles-Route de Saint-Cyr, 78026, Versailles cedex, France, Tel.: +331 30 833163, Email: minoli@bg.fcen.uba.ar

**Mishra**, Dushyant, Lehrstuhl für Genetik, Institut für Biologie, Universität Leipzig, Universität Würzburg, Department of Neurobiol, 97074, Würzburg, Tel.: +49 176 37618450, Email: dushyant.mishra@biozentrum.uni-wuerzburg.de

**Mißbach**, Christine, Evolutionary Neuroethology, Max Planck Institute for Chemical Ecology, Hans-Knöll-Straße 8, 07745, Jena, Tel.: +49 3641 571412, Email: cmissbach@ice.mpg.de

**Mittmann**, Prof. Dr. Thomas, Inst. Physiology & Pathophysiology, Medical Center of the Johannes-Gutenberg-University Mainz, Duesbergweg 6, 55128, Mainz, Tel.: +49 6131 3927261, Email: mittmann@uni-mainz.de

**Mix**, Annika, Neurophysiology, Ruhr University Bochum, Universitätsstr. 150, 44801, Bochum, Tel.: +49 234 3226828, Email: annika@neurop.rub.de

**Mlyniec**, M. Sc. Katarzyna, Department of Pharmacobiology, Jagiellonian University Collegium Medicum, ul. Medyczna 9, 30-688, Krakow, Poland, Tel.: +48 505 547244, Email: kmlyn@wp.pl

**Möck**, Dr. Martin, Zentrum Anatomie, Abteilung Neuroanatomie, Universität Göttingen, Kreuzbergring 36, 37075, Göttingen, Tel.: +49 551 397068, Email: martin.moeck@med.uni-goettingen.de

**Mogdans**, Dr. Joachim, Institut für Zoologie, Universität Bonn, Poppelsorfer Schloss, 53115, Bonn, Tel.: +49 228 733806, Email: mogdans@uni-bonn.de

**Mohrmann**, Dr. Ralf, Abt. Physiology, Universität des Saarlandes, Geb. 59, 2. OG, 66421, Homburg, Tel.: +49 6841 1626470, Email: Ralf.Mohrmann@uks.eu

**Mombaerts**, Prof. Dr. Dr. Peter, Department of Molecular Neurogenetics, Max Planck Institute of Biophysics, Max-von-Laue-Str. 3, 60438, Frankfurt/Main, Tel.: +49 69 63034000, Email: peter.mombaerts@biophys.mpg.de

**Montalbano**, Alberto, Department of Life Sciences, University of Trieste, Via A. Fleming 22, 34127, Trieste, Italy, Tel.: +39 349 5562809, Email: alberto.montalbano@gmail.com

**Morawski**, Dr. Markus, Department of Molecular and Cellular Mechanisms of Neurodegeneration, Paul Flechsig Institute for Brain Research, Jahnallee 59, 04109, Leipzig, Tel.: +49 341 9725757, Email: morm@medizin.uni-leipzig.de

**Morgan**, Peter, Albrecht-Kossel-Institute for Neuroregeneration, University of Rostock, Gehlsheimer Straße 20, 18147, Rostock, Tel.: +49 381 4949771, Email: peter.morgan@med.uni-rostock.de

**Moritz**, Christian, Animal physiology group, Department of Biology, University of Kaiserslautern, Erwin-Schrödinger-Str. 13, 67663, Kaiserslautern, Tel.: +49 631 2055004, Email: christian.moritz@biologie.uni-kl.de

**Morland**, PhD Antony, Department of Psychology, University of York, Heslington, YO10 5AX, York, United Kingdom, Tel.: +44 1904 432680, Email: arm501@york.ac.uk

**Morrison**, Dr. Abigail, Functional Neural Circuits Group, Bernstein Center Freiburg, Hansastr. 9A, 79104, Freiburg, Tel.: +49 761 2039530, Email: morrison@bcf.uni-freiburg.de

**Mortensen**, Lena Sünke, Molecular Biology of Neuronal Signals, Max Planck Institute of Experimental Medicine, Hermann-Rein-Str. 3, 37075, Göttingen, Tel.: +49 551 3899654, Email: mortensen@em.mpg.de

**Moser**, Prof. Dr. Tobias, Otolaryngology and Center for Molecular Physiology, Universitätsmedizin Göttingen-HNO-Klinik, Hahneborn 6, 37079, Göttingen, Tel.: +49 551 398968, Email: tmoser@gwdg.de

**Mosienko**, Valentina, Molecular Biology of Peptide Hormones, Max-Delbrueck Center for Molecular Medicine, Robert-Rössle Str 10, 13125, Berlin, Tel.: +49 30 94062518, Email: valentina.mosienko@mdc-berlin.de

**Mrachacz-Kersting**, PhD Natalie, Center for Sensory-Motor Interaction, Aalborg University, Fredrik Bajers Vej 7D3, 09220, Aalborg, Denmark, Tel.: +45 9940 7575, Email: nm@hst.aau.dk

**Muceli**, M. Sc. Silvia, Department of Health Science and Technology, Center for Sensory-Motor Interaction, Fredrik Bajers Vej 7, 09220, Aalborg, Denmark, Tel.: +45 9940 8775, Email: smuceli@hst.aau.dk

**Muckli**, PhD Lars, Centre for Cognitive Neuroimaging (CCNi), Institute of Neuroscience and Psychology, University of Glasgow, 58 Hillhead Street, G12 8QB, Glasgow, United Kingdom, Tel.: +44 141 3306237, Email: Lars.Muckli@glasgow.ac.uk

**Mueller**, Christina, Department of Epileptology, University of Bonn Medical Center, Sigmund-Freud-Straße 25, 53127, Bonn, Tel.: +49 288 6885280, Email: cmueller@uni-bonn.de

**Mueller**, Ralf, Department of Psychiatry and Psychotherapy, University of Köln, Kerpener Straße 62, 50924, Köln, Tel.: +49 221 47887150, Email: ralf.mueller@uk-koeln.de

**Muenz**, Thomas S., Behavioral Physiology and Sociobiology, University of Würzburg, Biozentrum, Am Hubland, 97074, Würzburg, Tel.: +49 931 3184314, Email: thomas.muenz@biozentrum.uni-wuerzburg.de



**Mühlberger**, Prof. Dr. Andreas, Department of Psychology, University of Würzburg, Marcusstr. 9-11, 97070, Würzburg, Tel.: +49 931 3182068, Email: muehlberger@psychologie.uni-wuerzburg.de

**Mühlhans**, Johanna, Department Biology/Division of Animal Physiology, University of Erlangen-Nürnberg, Staudtstr. 5, 91058, Erlangen, Tel.: +49 9131 8528059, Email: jmuehlha@biologie.uni-erlangen.de

**Müller**, Prof. Hans Werner, Neurology, University of Düsseldorf, Moorenstr 5, 40225, Düsseldorf, Tel.: +49 211 8118410, Email: hanswerner.mueller@uni-duesseldorf.de

**Müller**, Dr. Thomas, Medical Genetics, MDC, Robert-Rössle-Str. 10, 13125, Berlin, Tel.: +49 30 94062842, Email: thomu@mdc-berlin.de

**Müller**, PhD Jochen, Experimental Neurology, Charité University Medicine Berlin, Charitéplatz 1, 10117, Berlin, Tel.: +49 30 450560329, Email: jochen.mueller@charite.de

**Müller**, Dr. Uli, FR 8.3, Zoologie / Physiologie, Saarland University, Postfach 151150, 66041, Saarbrücken, Tel.: +49 681 3022412, Email: uli.mueller@mx.uni-saarland.de

**Müller**, Dr. Brigitte, Neuroanatomy, Max Planck Institute for Brain Research, Deutschordenstraße 46, 60528, Frankfurt/Main, Tel.: +49 69 96769236, Email: bmueller@mpih-frankfurt.mpg.de

**Münch**, Daniel, Department of Biology - Neurobiology, University of Konstanz, Fach M 624, 78457, Konstanz, Tel.: +49 7531 883205, Email: daniel.muench@uni-konstanz.de

**Münch**, Dr. Thomas Alexander, Center for Integrative Neuroscience (CIN), University Tübingen, Paul-Ehrlich-Str. 15, 72076, Tübingen, Tel.: +49 7071 289182, Email: thomas.muench@cin.uni-tuebingen.de

**Münkner**, Dr. Stefan, FR 2.5 Biophysik, Saarland University, Campus Homburg, Geb. 76, 66424, Homburg, Tel.: +49 6841 1626222, Email: stefan.muenkner@uks.eu

**Munsch**, Dr. Thomas, Institute of Physiology, Otto-von-Guericke University, Leipzigerstr. 44, 39120, Magdeburg, Tel.: +49 391 6713676, Email: thomas.munsch@med.ovgu.de

**Münzner**, Gert, Allg. Neurochirurgie/Exp. Epilepsie Forschung, Uniklinik Freiburg, Breisacher Str. 64, 79106, Freiburg, Tel.: +49 761 2705358, Email: gert.muenzner@uniklinik-freiburg.de

**Mylius**, M. Sc. Judith, Special Lab of Primate Neurobiology, Leibniz Institute for Neurobiology, Brennecke Strasse 6, 39118, Magdeburg, Tel.: +49 391 6263326, Email: Judith.Mylius@ifn-magdeburg.de

## N

**Naber**, Marnix, Neurophysics, Philipps-University Marburg, Karl-von-Frisch-Str. 8a, 35032, Marburg, Tel.: +49 6421 2824176, Email: marnixnaber@gmail.com

**Nagel**, Manuel, Department of Biology, University of Konstanz, Universitätsstraße 10, 78464, Konstanz, Tel.: +49 7531 885065, Email: manuel.nagel@email.de

**Naito**, Aki, Neural Information Processing Group, Institut für Softwaretechnik und Theoretische Informatik, Franklinstr. 28/29, 10587, Berlin, Tel.: +49 30 31428915, Email: anaito@cs.tu-berlin.de

**Nanguneri**, PhD Siddharth Ramamoorth, Anatomy and Cell Biology II, University of Heidelberg, Im Neuenheimer Feld 307, 69120, Heidelberg, Tel.: +49 6221 8601, Email: nanguneri@ana.uni-heidelberg.de

**Narayanan**, Venu, Institute for Physiology I, Westfälische Wilhelms-University Münster, Robert Koch Str. 27a, 48149, Münster, Tel.: +49 251 55561, Email: vinsaru@gmail.com

**Natusch**, Claudia, Department of Psychology, Philipps-University of Marburg, Gutenbergstr. 18, 35032, Marburg, Tel.: +49 6421 2823694, Email: natusch@staff.uni-marburg.de

**Naumann, Nicole**, Institute for Biology, University of Leipzig, Talstr. 33, 04103, Leipzig, Tel.: +49 341 9736895, Email: nicole.naumann@uni-leipzig.de

**Nauroth, Stephan Georg Volker**, Department of Psychiatry, Psychosomatics and Psychotherapy, Clinic for Psychiatry and Psychotherapy, University of Würzburg, Fuchsleinstr. 15, 97080, Würzburg, Tel.: +49 931 2969506, Email: S.Nauroth@gmx.net

**Navakkode, Dr. Sheeja**, Cellular Neurobiology, TU, Braunschweig, Spielmannstraße 7, 38106, Braunschweig, Tel.: +49 531 3913228, Email: s.navakkode@tu-bs.de

**Nave, PhD Klaus-Armin**, Department of Neurogenetics, Max Planck Institute of Experimental Medicine, Hermann-Rein-Str. 3, 37075, Göttingen, Tel.: +49 551 3899760, Email: nave@em.mpg.de

**Nawrot, Prof. Dr. Martin Paul**, Neuroinformatics and Theoretical Neuroscience, Freie Universität Berlin, Königin Luise Straße 1-3, 14195, Berlin, Tel.: +49 30 83856692, Email: martin.nawrot@fu-berlin.de

**Neef, Dr. Andreas**, Nonlinear Dynamics, MPI Dynamics and Self-Organization, Bunsenstr. 10, 37073, Göttingen, Tel.: +49 551 5176550, Email: aneef@gwdg.de

**Neef, Nicole E.**, Clinical Neurophysiology, Georg-August-University, Robert-Koch-Str. 40, 37075, Göttingen, Tel.: +49 551 398457, Email: nspindl@gwdg.de

**Negro, Dr. Francesco**, Aalborg University, Department of Health Science and Technology, Fredrik Bajers Vej 7D-3, 09200, Aalborg, Denmark, Tel.: +45 99 408820, Email: fblack@hst.aau.dk

**Neher, Prof. Dr. Erwin**, MPI für Biophysikalische Chemie, Am Fassberg, 37077, Göttingen, Tel.: 0551 201 1630, Email: eneher@gwdg.de

**Neitz, M. Sc. Angela**, Institute of Physiology and Pathophysiology, Johannes Gutenberg University, Duesbergweg 6, 55128, Mainz, Tel.: +49 6131 3925715, Email: neitz@uni.mainz.de

**Neitzert, Kim**, Institute of Molecular Psychiatry, University of Bonn, Sigmund-Freud-Str. 25, 53127, Bonn, Tel.: +49 228 6885314, Email: s6kineit@uni-bonn.de

**Nematian, Ehsan**, Biophysics, University of Jena, Hans-Knöll-Str. 2, 07745, Jena, Tel.: +49 3641 9395657, Email: Ehsan.nematian@uni-jena.de

**Neubauer, Heinrich**, ALS, Leibniz Institute for Neurobiology, Brenneckestr. 6, 39118, Magdeburg, Tel.: +49 174 9188868, Email: heinrich.neubauer@ifn-magdeburg.de

**Neubert, Jenni**, Auditory Learning and Speech, Leibniz Institute for Neurobiology, Brenneckestr. 6, 39118, Magdeburg, Tel.: +49 391 6263348, Email: jenni.neubert@ifn-magdeburg.de

**Neufeld, Janina**, Klinik for Psychiatry, Social Psychiatry and Psychotherapy, Hannover Medical School, Brentanostraße 15, 30625, Hannover, Tel.: +49 511 5326658, Email: neufeld.janina@mh-hannover.de

**Neuhaus, Prof. Eva M.**, Molekulare und zelluläre Neurobiologie, Charité, Hufelandweg 14, 10117, Berlin, Tel.: +49 30 450539761, Email: eva.neuhaus@charite.de

**Neumann, Sebastian**, Molecular Neurobiochemistry, Ruhr-University of Bochum, Universitätsstraße 150, 44780, Bochum, Tel.: +49 234 3225774, Email: sebastian.neumann@ruhr-uni-bochum.de

**Neumann, Prof. Inga D**, Neurobiology, University Regensburg, Univstr, 93053, Regensburg, Tel.: +49 941 9433053, Email: inga.neumann@biologie.uni-regensburg.de

**Neumann, Sonja**, Neuroanatomie, Max-Planck-Institut für Hirnforschung, Deutschordenstraße 46, 60528, Frankfurt/Main, Tel.: +49 69 96769286, Email: Sonja.Neumann@brain.mpg.de

**Neumann, Prof. Dr. Manuela**, Neuropathology, University of Zürich, Schmelzbergstr. 12, 08091, Zürich, Switzerland, Tel.: +41 44 2552849, Email: manuela.neumann@usz.ch

**Neumeyer, Alexander**, General Zoology, TU Kaiserslautern, P.O.Box 3049, 67653, Kaiserslautern, Tel.: +49 631 205242, Email: a.neumeyer@biologie.uni-kl.de



**Neupert**, Stefanie, Department of Biology, University of Konstanz, Universitätsstraße 10, 78464, Konstanz, Tel.: +49 7531 8139808, Email: stefanie.neupert@gmx.de

**Nevia**, Dr. Thomas, Department of Physiology, University of Berne, Bülhplatz 5, 03012, Bern, Switzerland, Tel.: +41 31 6318704, Email: nevia@pyl.unibe.ch

**Niederleitner**, Bertram, Zoologie, AG Luksch, Technische Universität München, Liesel-Beckmann-Straße 4, 84354, Freising, Tel.: +49 8161 712802, Email: bertram.niederleitner@wzw.tum.de

**Niekisch**, Hartmut, Allgemeine Zoologie, Institut für Biochemie und Biologie der Universität Potsdam, Karl-Liebknecht-Straße 24-25 Haus 26, 14476, Potsdam, Tel.: +49 331 9775568, Email: hartmutniekisch@aol.com

**Niewalda**, Thomas, Institut für Biologie, Lehrstuhl für Genetik, Universität Leipzig, Talstraße 33, 04103, Leipzig, Tel.: +49 931 8884483, Email: thomas.niewalda@biozentrum.uni-wuerzburg.de

**Nieweg**, Dr. Katja, Institut für Neurophysiologie, Universität Düsseldorf, Universitätsstr. 1, 40225, Düsseldorf, Tel.: +49 211 8112616, Email: knieweg@gmx.de

**Nikiforuk**, PhD Agnieszka, Department of Behavioral Neuroscience and Drug Development, Institute of Pharmacology, Polish Academy of Sciences, Smetna 12, 31-343, Kraków, Poland, Tel.: +48 12 6623374, Email: nikifor@ifpan.krakow.pl

**Nissen**, Wiebke, Department of Pharmacology, University of Oxford, Mansfield Rd, OX1 3QT, Oxford, United Kingdom, Tel.: +44 1865 271639, Email: Wiebke.Nissen@pharm.ox.ac.uk

**Noell**, Dr. Susan, Dept. of Neurosurgery, University of Tübingen, Hoppe-Seyler Straße 3, 72076, Tübingen, Tel.: +49 7071 2983401, Email: susan.noell@gmx.net

**Noll-Hussong**, Dr. Michael, Klinik und Poliklinik für Psychosomatische Medizin und Psychotherapie, Klinikum rechts der Isar der Technischen Universität München, Langerstr. 3, 81675, München, Tel.: +49 89 41404319, Email: minohu@gmx.net

**Nolte**, Andreas, Animal Physiology, University of Kassel, Heinrich-Plett-Straße 44, 34132, Kassel, Tel.: +49 561 8044727, Email: andreasnolte@uni-kassel.de

**Nordmann**, Caroline, Institut für Neurobiochemie, Otto-von-Guericke-Universität Magdeburg, Leipzigerstraße 44, 39120, Magdeburg, Tel.: +49 391 6715893, Email: caroline.nordmann@med.ovgu.de

**Nothwang**, PhD Hans Gerd, Neurogenetik, Carl-von-Ossietzky-Universität Oldenburg, Carl von Ossietzky Str. 9-11, 26129, Oldenburg, Tel.: +49 441 7983932, Email: hans.g.nothwang@uni-oldenburg.de

**Novak**, Ben, Department of Animal Physiology, Ruhr-University, Universitätsstraße 150, 44780, Bochum, Tel.: +49 234 3224331, Email: ben.novak@rub.de

**Nowotny**, Dr. Manuela, Institut for Cell Biology and Neuroscience, Goethe-Universität Frankfurt, Siesmayer Str. 70a, 60323, Frankfurt/Main, Tel.: +49 69 79824744, Email: nowotny@bio.uni-frankfurt.de

**Nowotny**, Dr. Thomas, Informatics, University of Sussex, Falmer, BN1 9QJ, Brighton, United Kingdom, Tel.: +44 1273 678593, Email: t.nowotny@sussex.ac.uk

**Nunes**, Daniel, Thomas Kuner Lab, Institute for Anatomy and Medicine Cell Biology, INF 307, 69120, Heidelberg, Tel.: +49 6221 548645, Email: nunes@ana.uni-heidelberg.de

## O

**Oberacker**, Tina, Fachgebiet Biosensorik, Universität Hohenheim, Garbenstr. 30, 70599, Stuttgart, Tel.: +49 711 45923014, Email: toberacker@web.de

**Oberegelsbacher**, Claudia, Biosensorics, University, Garbenstraße 30, 70599, Stuttgart, Tel.: +49 459 23063, Email: claus@uni-hohenheim.de

**Oberland**, Sonja, AG Neuhaus – Neuro Cure, Charité Universitätsmedizin Berlin, Charitéplatz 1, 10117, Berlin, Tel.: +49 30 450539769, Email: sonja.oberland@charite.de

**Oehlke**, Dr. med. Oliver, Institut für Anatomie und Zellbiologie II, Albert-Ludwigs-Universität Freiburg, Albertstr. 17, 79104, Freiburg, Tel.: +49 761 2035374, Email: oliver.oehlke@anat.uni-freiburg.de

**Oertner**, Dr. Thomas G., Neuroscience, Friedrich Miescher Institute, Maulbeerstr. 66, 04058, Basel, Switzerland, Tel.: +41 61 6978273, Email: thomas.oertner@fmi.ch

**Oland**, PhD Lynne Ann, Department of Neuroscience, University of Arizona, PO Box 210077, 85721-0077, Tucson, USA, Tel.: +1 520 6217215, Email: lao@neurobio.arizona.edu

**Orlandi**, Javier G., Departament d'Estructura i Constituents de la Materia, Universitat de Barcelona, Av. Diagonal 647, 08028, Barcelona, Spain, Tel.: +349 3 4037062, Email: javiergorlandi@gmail.com

**Osterloh**, Markus, Department of Cell Physiology, Ruhr-University Bochum, Universitätsstr. 150, 44801, Bochum, Tel.: +49 234 3228504, Email: markus.osterloh-2@rub.de

**Oszlán**, Dr. Gábor, Department of Public Health, University of Szeged, Dóm tér 10, 06720, Szeged, Hungary, Tel.: +36 30 9138432, Email: octbintw@freemail.hu

**Ott**, Dr. Swidbert Roger, Department of Zoology, University of Cambridge, Downing Street, CB2 3EJ, Cambridge, United Kingdom, Tel.: +44 1223 769014, Email: sro21@cam.ac.uk

**Oudega**, PhD Martin, Departments of Physical Medicine and Rehabilitation, Neurobiology, and Biomedica, University of Pittsburgh, Medical School, 200 Lothrop Street, PA 15213-2536, Pittsburgh, USA, Tel.: +49 211 8114436, Email: Barbara.Grimpe@med.uni-duesseldorf.de

**Outeiro**, PhD Tiago Fleming, Department of Neurodegeneration and Neurorestoration, University of Göttingen, CMPB, Waldweg 33, 37073, Göttingen, Tel.: +49 551 3914475, Email: touteiro@gmail.com

**Overlack**, Nora-Lena, AG Wolfrum, Johannes-Gutenberg-Universität Mainz, Müller-Weg 6, 55099, Mainz, Tel.: +49 6131 3924484, Email: Overlack@uni-mainz.de

**Öz**, Pinar, Theoretical Neurophysics, MPI for Dynamics and Self-Organization, Bunsenstr. 10, Haus 2 Raum 02205, 37073, Göttingen, Tel.: +49 176 63122954, Email: pinaoz@gmail.com

## P

**Pahlisch**, Franziska, Psychiatry, Central Institute of Mental Health, J 5, 68159, Mannheim, Tel.: +49 221 47886716, Email: pahlisch@ecnp.net

**Palazova**, Marina, Biological Psychology, Department of Psychology, Humboldt-Universität zu Berlin, Rudower Chaussee, 12489, Berlin, Tel.: +49 30 20939365, Email: palazova@staff.hu-berlin.de

**Palghat Udayashankar**, Arun, Institute for Cell and Neurobiology, Goethe University, Siesmayerstr. 70A, 60311, Frankfurt/Main, Tel.: +49 69 79824735, Email: arun@bio.uni-frankfurt.de

**Pamir**, Evren, Neuroinformatics & Theoretical Neuroscience, Institute of Biology, Freie Universität Berlin, Königin-Luise-Str. 1-3, 14195, Berlin, Tel.: +49 30 83857292, Email: evren.pa@gmail.com

**Papageorgiou**, Dr. Ismini, SFB-TR3/D12 group for Microglia and ROS role in epilepsy, Institute for Neurophysiology, Charité University for Medicine, Osram-Höfe, Oudenarderstraße 16-20, Haus 10, 13347, Berlin, Tel.: +49 30 450528280, Email: ismini.papageorgiou@charite.de

**Pape**, Hans-Christian, Institut für Physiologie I, Westfälische Wilhelms-Universität Münster, Robert-Koch-Str. 27A, 48149, Münster, Tel.: +49 251 8355532, Email: papechris@ukmuenster.de

**Paquet**, Dr. Dominik, München, Deutsches Zentrum für Neurodegenerative Erkrankungen, Schillerstr. 44, 80336, München, Tel.: +49 89 218075490, Email: dpaquet@med.lmu.de

**Paquet-Durand**, PhD François, Institute for Ophthalmic Research, Cell Death Mechanisms Group, University of Tübingen, Röntgenweg 11, 72076, Tübingen, Tel.: +49 7071 2987430, Email: francois.paquet-durand@klinikum.uni-tuebingen.de



**Parlato**, PhD Rosanna, Molecular Biology of the Cell I, German Cancer Research Center, In Neuenheimer Feld 581, 69121, Heidelberg, Tel.: +49 6221 423437, Email: r.parlato@dkfz.de

**Parthasarathy**, Srinivas, Cortical Development, Max Planck Institute for Experimental Medicine, Hermann-Rein-Straße 3, 37075, Göttingen, Tel.: +49 551 3899372, Email: srinivas.parthasarathy@gmail.com

**Passlick**, Stefan, Institute of Cellular Neurosciences, University of Bonn, Sigmund-Freud-Str. 25, 53105, Bonn, Tel.: +49 228 28711820, Email: stefan.passlick@ukb.uni-bonn.de

**Patimiche**, Dinu-Mihai, BCCN München, GSN-LMU, Großhaderner Str. 2, 82152, Martinsried, Tel.: +49 89 218074815, Email: dinu.patimiche@gmail.com

**Pauli**, Prof. Dr. Paul, Department of Psychologie I, University of Würzburg, Marcusstr. 9-11, 97070, Würzburg, Tel.: +49 931 3182842, Email: pauli@psychologie.uni-wuerzburg.de

**Pauls**, Dr. Dennis, Department of Biology, Neurobiology/Ethology, Philipps-University Marburg, Karl-von-Frisch-Str. 8, 35032, Marburg, Tel.: +49 6421 2823416, Email: dennis.pauls@staff.uni-marburg.de

**Pautot**, PhD Sophie, CRT-Dresden, TUD, Tatzberg 47-49, 01307, Dresden, Tel.: +49 361 46340315, Email: sophie.pautot@crt-dresden.de

**Pavlakis**, Dr. Evangelos, Molecular Developmental Neurobiology, Max Planck Institute for Biophysical Chemistry, Am Fassberg 11, 37077, Göttingen, Tel.: +49 551 2011188, Email: epavlak@gwdg.de

**Pavlakis**, Dr. Evangelos, Molecular Developmental Neurobiology, Max Planck Institute for Biophysical Chemistry, Am Fassberg 11, 37077, Göttingen, Tel.: +49 551 2011188, Email: epavlak@gwdg.de

**Pech**, Ulrike, Department of Molecular Neurobiology of Behavior, Georg-August-University of Göttingen, ENI Grisebachstr. 5, 37077, Göttingen, Tel.: +49 551 3910722, Email: u\_akte@hotmail.com

**Peichl**, Prof. Dr. Leo, Comparative Retinal Anatomy, Max Planck Institute for Brain Research, Deutschordenstr. 46, 60528, Frankfurt/Main, Tel.: +49 69 96769348, Email: Leo.Peichl@brain.mpg.de

**Peleg**, Dr. Shahaf, AG Fischer, ENI, Grisebachstraße 5, 37077, Göttingen, Tel.: +49 176 63036213, Email: speleg@gwdg.de

**Pelz**, Thomas, NeuroCure, AG Neuhaus, Charité - Universitätsmedizin Berlin, Charitéplatz 1, 10117, Berlin, Tel.: +49 30 450539769, Email: thomas.pelz@charite.de

**Penninella**, PhD Donato, Justus-Liebig-University Gießen, Biotechnology Centre, Leihgesterner Weg 217, 35392, Gießen, Tel.: +49 641 9916514, Email: donnarulz@gmx.de

**Pennuto**, PhD Maria, Neuroscience and Brain Technologies, Fondazione Istituto Italiano di Tecnologia, via Morego 30, 16163, Genova, Italy, Tel.: +39 10 71781793, Email: maria.pennuto@iit.it

**Perrodin**, M. Sc. Catherine, Physiology of Cognitive Processes, Max Planck Institute for Biological Cybernetics, Spemannstraße 38, 72076, Tübingen, Tel.: +49 7071 6011701, Email: catherine.perrodin@tuebingen.mpg.de

**Pessoa**, PhD Luiz, Department of Psychological and Brain Sciences, Indiana University, 1101 E10th Street, 47405, Bloomington, IN, USA, Tel.: +1 812 8556952, Email: lpessoa@indiana.edu

**Peters**, Daniela, Institut für Integrative Neuroanatomie, Charité - Universitätsmedizin Berlin, Philippstr. 12, 10115, Berlin, Tel.: +49 30 450528408, Email: daniela.peters@charite.de

**Petersen**, Dr. Carl, Laboratory of Sensory Processing, Ecole Polytechnique Federale de Lausanne (EPFL), SV-BMI-LENS, Station 19, 01015, Lausanne, Switzerland, Tel.: +41 21 6931721, Email: carl.petersen@epfl.ch

**Peterson**, Christopher David, Bioengineering, Imperial College London, South Kensington Campus, Bessemer Building, SW7 2AZ, London, United Kingdom, Tel.: +44 7730 586712, Email: k.peterson06@imperial.ac.uk

**Pfeiffer**, Dr. Keram, Department of Physiology and Biophysics, Dalhousie University, 5850 College St, B3H1X5, Halifax, Canada, Tel.: +1 902 4739364, Email: Keram.Pfeiffer@dal.ca



**Pfeiffer**, Natascha, AG Psychiatrische Tiermodelle, Zentralinstitut für seelische Gesundheit, J5, 68159, Mannheim, Tel.: +49 621 17032932, Email: [natascha.pfeiffer@zi-mannheim.de](mailto:natascha.pfeiffer@zi-mannheim.de)

**Pfister**, Christina, Neurochirurgie AG Roser, Universitätsklinikum Tübingen, Offried-Müller-Straße 27, 72076, Tübingen, Tel.: +49 7071 2981987, Email: [christina.pfister@med.uni-tuebingen.de](mailto:christina.pfister@med.uni-tuebingen.de)

**Pflüger**, Prof. Dr. Hans-Joachim, Institut für Biologie, Neurobiologie, Freie Universität Berlin, Königin-Luise-Straße 28-30, 14195, Berlin, Tel.: +49 30 83854676, Email: [pflueger@neurobiologie.fu-berlin.de](mailto:pflueger@neurobiologie.fu-berlin.de)

**Pförtner**, PhD Ramona, Neuropathology, University Medical Center, Robert-Koch-Str. 40, 37081, Göttingen, Tel.: +49 551 8467, Email: [rp7@gmx.net](mailto:rp7@gmx.net)

**Philipp**, PhD Roland, Department for Biology and Biotechnology, Ruhr-University Bochum, Universitätsstr. 150, 44780, Bochum, Tel.: +49 234 3228365, Email: [Roland.Philipp@rub.de](mailto:Roland.Philipp@rub.de)

**Pielock**, Steffi Mareen, Abteilung Tierphysiologie, Universität Stuttgart, Biologisches Institut, Pfaffenwaldring 57, 70550, Stuttgart, Tel.: +49 711 68565022, Email: [steffi.pielock@bio.uni-stuttgart.de](mailto:steffi.pielock@bio.uni-stuttgart.de)

**Piepenbrock**, David, Department for Cellular Neurobiology, Johann-Friedrich-Blumenbach-Institut für Zoologie und Anthropologie Georg-August, Herman-Rein-Straße 3, 37075, Göttingen, Tel.: +49 551 3899409, Email: [david.piepenbrock@biologie.uni-goettingen.de](mailto:david.piepenbrock@biologie.uni-goettingen.de)

**Pieper**, Dr. Florian, Institut fuer Neuro- & Pathophysiologie, Universitätsklinikum Eppendorf, Martinistr. 52, 20246, Hamburg, Tel.: +49 40 741054920, Email: [f.pieper@uke.de](mailto:f.pieper@uke.de)

**Pippow**, Andreas, Biocenter Köln, University of Köln, Zülpicher Strasse 47b, 50674, Köln, Tel.: +49 470 5207, Email: [andreas.pippow@uni-koeln.de](mailto:andreas.pippow@uni-koeln.de)

**Pirschel**, Friederice, Computational Neuroscience, Carl-von-Ossietzky Universität Oldenburg, Carl-von-Ossietzky-Straße 9-11, 26111, Oldenburg, Tel.: +49 441 7893621, Email: [friederice.pirschel@uni-oldenburg.de](mailto:friederice.pirschel@uni-oldenburg.de)

**Pix**, Charlotte Maria, Department Biologie II, LMU München, Großhaderner Str. 2, 82152, München, Tel.: +49 89 218074807, Email: [pix@bio.lmu.de](mailto:pix@bio.lmu.de)

**Piyanova**, Anastasia, Institute of Molecular Psychiatry, University of Bonn, Sigmund-Freud-Straße 25, 53127, Bonn, Tel.: +49 228 6885323, Email: [piyanova@uni-bonn.de](mailto:piyanova@uni-bonn.de)

**Plabmann**, Kerstin, Clinical Neurobiology Laboratory, German Primate Center, Kellnerweg 4, 37077, Göttingen, Tel.: +49 551 3851135, Email: [Kplabmann@cni-dpz.de](mailto:Kplabmann@cni-dpz.de)

**Platel**, PhD Jean-Claude, Physiology department, Saarland University, Kirrberger Straße, Bldg. 45.2, 66421, Homburg, Tel.: +49 6841 1626583, Email: [jcplatel@gmail.com](mailto:jcplatel@gmail.com)

**Poehler**, Anne-Maria, Division of Molecular Neurology, University Hospital Erlangen, Schwabachanlage 6, 91054, Erlangen, Tel.: +49 9131 8539324, Email: [jochen.klucken@uk-erlangen.de](mailto:jochen.klucken@uk-erlangen.de)

**Pohland**, Martin, Institute of Cell Biology and Neurobiology, Center for Anatomy, AG Glumm, Charité-Universitätsmedizin Berlin, Philippstraße 12, 10115, Berlin, Tel.: +49 30 450528031, Email: [martin.pohland@charite.de](mailto:martin.pohland@charite.de)

**Polack**, Martin, Cellular Neurobiology, TU Braunschweig, Spielmannstraße 7, 38102, Braunschweig, Tel.: +49 531 3913227, Email: [m.polack@tu-bs.de](mailto:m.polack@tu-bs.de)

**Polania**, Rafael, Clinical neurophysiology, University of Göttingen, Robert-Koch-Str. 40, 37075, Göttingen, Tel.: +49 176 65286549, Email: [polaniarafael@yahoo.com](mailto:polaniarafael@yahoo.com)

**Polascheck**, Nadine, Department of Pharmacology, Toxicology, and Pharmacy, University of Veterinary Medicine, Bünteweg 17, 30559, Hannover, Tel.: +49 511 9538558, Email: [nadine.polascheck@tiho-hannover.de](mailto:nadine.polascheck@tiho-hannover.de)

**Poller**, Wolfram C., Institut für Integrative Neuroanatomie, Charité, Philippstraße 12, 10115, Berlin, Tel.: +49 30 450528106, Email: [wolfram.poller@charite.de](mailto:wolfram.poller@charite.de)

**Ponimaskin**, Prof. Dr. Evgeni G., Neurophysiology, Medical School Hannover, Carl-Neuberg-Str. 1, 30627, Hannover, Tel.: +49 511 5324858, Email: [Ponimaskin.Evgeni@mh-hannover.de](mailto:Ponimaskin.Evgeni@mh-hannover.de)



**Pooryasin**, Atefeh, Department of Molecular Neurobiology of Behavior, Georg-August-University of Göttingen, ENI Grisebachstr. 5, 37077, Göttingen, Tel.: +49 551 3910722, Email: apoorya@gwdg.de

**Popik**, Prof. Piotr, Behavioral Neuroscience and Drug Development, Institute of Pharmacology, Polish Academy of Sciences, 12 Smetna, 31343, Krakow, Poland, Tel.: +48 12 6623375, Email: nfpopik@cyf-kr.edu.pl

**Porres**, Christian, Division of Neurobiology, Ludwig-Maximilians-University, Großhaderner Str. 2, 82152, München, Tel.: +49 89 218074368, Email: porres@biologie.uni-muenchen.de

**Pöschel**, Dr. Beatrice, Center for Molecular Neurobiology, Developmental Neurophysiology, University Medical Center Hamburg-Eppendorf, Falkenried 94, 20251, Hamburg, Tel.: +49 40 741056605, Email: beatrice.poeschel@zmnh.uni-hamburg.de

**Pothmann**, Leonie, Laboratory of Experimental Epileptology and Cognition Research, University of Bonn, Sigmund-Freud-Str. 25, 53127, Bonn, Tel.: +49 228 6885278, Email: LeoniePothmann@web.de

**Potjans**, Dr. Wiebke, Computational and Systems Neuroscience, Research Center Jülich, Institute of Neuroscience and Medicine, Wilhelm-Johnen-Straße, 52428, Jülich, Tel.: +49 2461 611944, Email: w.potjans@fz-juelich.de

**Potjans**, Tobias C., Institute of Neuroscience and Medicine, Computational and Systems Neuroscience, Research Center Jülich, Leo-Brandt-Straße, 52425, Jülich, Tel.: +49 2461 611944, Email: t.c.potjans@fz-juelich.de

**Poulet**, Dr. James, Department of Neuroscience, Max-Delbrück-Centrum für Molekulare Medizin (MDC), Robert-Rössle-Str. 10, 13125, Berlin, Tel.: +49 30 450539097, Email: james.poulet@mdc-berlin.de

**Pradier**, Bruno, University of Bonn, Institute of Molecular Psychiatry, Sigmund-Freud-Str. 25, 53127, Bonn, Tel.: +49 228 6885337, Email: bpradier@uni-bonn.de

**Pregitzer**, Pablo, Institute of Physiology, University of Hohenheim, Garbenstraße 30, 70599, Stuttgart, Tel.: +49 711 45922265, Email: Pa.Pregitzer@web.de

**Prieß**, M. Sc. Dennis, Neurobiology, Biology, Barbarastraße 11, 49076, Osnabrück, Tel.: +49 541 9692876, Email: dennis.priess@biologie.uni-osnabrueck.de

**Prochnow**, Dr. Nora, Department of Anatomy, Institute of Neuroanatomy and Molecular Brain Research, MA6/147, Universitätsstr. 150, 44780, Bochum, Tel.: +49 234 3224406, Email: nora.prochnow@rub.de

**Proske**, Dr. Henning, Biology, University of Konstanz, Universitätsstr. 10, Fach 624, 78464, Konstanz, Tel.: +49 7531 884407, Email: henning.proske@uni-konstanz.de

**Psotta**, Laura, Institute of Physiology, Otto-von-Guericke University, Leipziger Str. 44, 39120, Magdeburg, Tel.: +49 391 6715811, Email: laura.psotta@med.ovgu.de

**Pyrski**, PhD Martina Maria, Physiologie, Universität des Saarlandes, Kirrbergerstr., Gebäude 58, 66421, Homburg, Tel.: +49 6841 1626457, Email: martina.pyrski@uks.eu

## R

**Rabe**, Tamara I., Molecular Cell Differentiation Group, Max Planck Institute for Biophysical Chemistry, Am Fassberg 11, 37077, Göttingen, Tel.: +49 551 2011506, Email: trabe@gwdg.de

**Rácz**, PhD Ildikó, Institute of Molecular Psychiatry, University of Bonn, Sigmund-Freud Str. 25, 53105, Bonn, Tel.: +49 228 6885316, Email: iracz@uni-bonn.de

**Radtke**, Debbie, Lehrstuhl für Zellphysiologie, Ruhr-Universität Bochum, Universitätsstr. 150, 44780, Bochum, Tel.: +49 234 3226718, Email: Debbie.Radtke@rub.de

**Radtke-Schuller**, Dr. Susanne, Division of Neurobiology, LMU München, Department Biology II, Großhaderner Straße 2, 82152, Martinsried, Tel.: +49 89 218074315, Email: radtke-schuller@bio.lmu.de

**Radyushkin**, Dr. Konstantin, Division of Clinical Neuroscience, Max Planck Institute of Experimental Medicine, Hermann-Rein-Str.3, 37075, Göttingen, Tel.: +49 551 3899535, Email: radyushkin@em.mpg.de

**Rafflenbeul**, Lutz, Institut für Elektromechanische Konstruktionen, TU Darmstadt, Merckstraße 25, 64283, Darmstadt, Tel.: +49 6151 166869, Email: L.Rafflenbeul@emk.tu-darmstadt.de

**Raiser**, Georg, Cellular Neurobiology, JFB-Institute for Zoology and Anthropology, University of Göttingen, Herrman-Rein-Str. 3, 37073, Göttingen, Tel.: +49 551 4899409, Email: graiser@gwdg.de

**Raj**, Divya, Department of Neuroscience, University Medical Center Groningen, A. Deusinglaan 1, 9713AV, Groningen, Netherlands, Tel.: +31 50 3632759, Email: d.raj@med.umcg.nl

**Rao**, Pooja, Molecular Neurobiology, European Neuroscience Institute Göttingen, Grisebachstraße 5, 37070 Göttingen, Tel.: +49 551 399834, Email: p.rao@eni-g.de

**Rathbun**, PhD Daniel Llewellyn, Institute for Ophthalmic Research, University of Tübingen, Frondsbergstraße 23, 72070, Tübingen, Tel.: +49 7071 2987785, Email: daniel.rathbun@uni-tuebingen.de  
daniel.rathbun@uni-tuebingen.de

**Rau**, Florian, Department of Biology / Group for Behavioural Physiology, Humboldt-Universität zu Berlin, Invalidenstraße 43, 10115, Berlin, Tel.: +49 30 20938777, Email: florian.rau@biologie.hu-berlin.de

**Rautenberg**, Philipp Lothar, G-Node, LMU, Großhaderner Straße 2, 82152, Martinsried, Tel.: +49 163 4847666, Email: philipp.rautenberg@g-node.org

**Redecker**, Prof. Dr. Christoph, Clinic for Neurology, Jena University Hospital, Erlanger Allee 101, 07747, Jena, Tel.: +49 3641 9323430, Email: redecker@med.uni-jena.de

**Regus-Leidig**, Dr. Hanna, Department of Biology, Animal Physiology, University of Erlangen-Nuremberg, Staudtstr. 5, 91058, Erlangen, Tel.: +49 9131 8528329, Email: hregus@biologie.uni-erlangen.de

**Reichenbach**, Nicole, Neurochemistry, Leibniz Institute for Neurobiology Magdeburg, Brenneckerstrasse 6, 39118, Magdeburg, Tel.: +49 391 6263217, Email: Nicole.Reichenbach@ifn-magdeburg.de

**Reichinnek**, Susanne, AG Draguhn, Institut für Physiologie und Pathophysiologie, Im Neuenheimer Feld 326, 69120, Heidelberg, Tel.: +49 162 4548485, Email: susanne.reichinnek@physiologie.uni-heidelberg.de

**Reif**, Prof. Dr. Andreas, Department of Psychiatry, University of Würzburg, Fücksleinstr. 15, 97080, Würzburg, Tel.: +49 931 20176402, Email: reif\_a@klinik.uni-wuerzburg.de

**Reifenrath**, Anna, Tierphysiologie, Philipps Universität Marburg, Karl-von-Frisch-Str. 8, 35043, Marburg, Tel.: +49 6421 2823405, Email: reifenra@students.uni-marburg.de

**Reifenstein**, Eric T., Institute for Theoretical Biology, HU Berlin, Invalidenstraße 43, 10115, Berlin, Tel.: +49 30 20938652, Email: e.reifenstein@gmail.com

**Reimers**, Linda, Neuroscience Discovery Research, Abbott GmbH & Co KG, Knollstraße, 67061, Ludwigshafen, Tel.: +49 621 5892460, Email: Linda.Reimers@abbott.com

**Reinecke**, Lisa, Neurogenetics, Max-Planck-Institute of Experimental Medicine, Hermann-Rein-Str. 3, 37075, Göttingen, Email: Ireinecke@em.mpg.de

**Reiser**, Prof. Dr. Georg, Institut für Neurobiochemie, Otto-von-Guericke Universität Magdeburg, Leipziger Str. 44, 39120, Magdeburg, Tel.: +49 391 6713088, Email: georg.reiser@med.ovgu.de

**Rellecke**, Julian, Biological Psychology, Humboldt-Universität zu Berlin, Rudower Chaussee 18, 12489, Berlin, Tel.: +49 30 20939366, Email: relleclu@psychologie.hu-berlin.de

**Remus**, Martina, Institut für Zellbiologie und Neurowissenschaften, Goethe-Universität Frankfurt, Siesmayerstraße 70 a, 60323, Frankfurt/Main, Tel.: +49 6257 939063, Email: martina-remus@web.de

**Remus**, Anita, Cellular Neurobiology, Technische Universität Braunschweig, Spielmannstraße 7, 38106, Braunschweig, Tel.: +49 531 3913229, Email: A.Dreznjak@tu-bs.de



**Rether**, PhD Kathy, Dept. 8.3 - Biosciences - Zoology and Physiology (Neurobiology), Saarland University, Campus Geb. B2.1, 66123, Saarbrücken, Tel.: +49 681 3026654, Email: kathyrether@mx.uni-saarland.de

**Reuss**, Dr. Bernhard, Center for Anatomy - Neuroanatomy, University of Göttingen, Kreuzberggring 36, 37075, Göttingen, Tel.: +49 551 397059, Email: breuss@gwdg.de

**Richlitzki**, Antje, Neurogenetic, Free University Berlin, Takustr. 6, 14195, Berlin, Tel.: +49 30 83856901, Email: antje.richlitzki@fu-berlin.de

**Richter**, Dr. Joel D., Molecular Medicine, University of Massachusetts Medical School, 373 Plantation Street, 01605, Worcester MA, USA, Tel.: +1 508 8568615, Email: joel.richter@umassmed.edu

**Richter**, Prof. Dr. Diethelm W., Abteilung Neuro- und Sinnesphysiologie, Universitätsmedizin Göttingen, Humboldtallee 23, 37073, Göttingen, Tel.: +49 551 395911, Email: d.richter@gwdg.de

**Richter**, Sylvia, DZNE Standort Magdeburg, German Center for Neurodegenerative Diseases (DZNE), Holbeinstraße 13-15, 53175, Bonn, Tel.: +49 391 6724512, Email: sylvia.richter@dzne.de

**Ridder**, Dr. Dirk, Institute of Pharmacology, University of Heidelberg, Im Neuenheimer Feld 366, 69120, Heidelberg, Tel.: +49 6221 548606, Email: dirk.ridder@pharma.uni-heidelberg.de

**Riedel**, Dr. Anett, Zoology/Developmental Neurobiology, University of Magdeburg, Institute of Biology, Leipziger Str. 44, 39120, Magdeburg, Tel.: +49 391 6755009, Email: anett.riedel@ovgu.de

**Riedel**, Dr. Thomas, Rudolf-Boehm-Institut für Pharmakologie und Toxikologie, Universität Leipzig, Härtelstraße 16-18, 04107, Leipzig, Tel.: +49 341 9724613, Email: thomas.riedel@medizin.uni-leipzig.de

**Rieger**, Verena, Cytologie und Evolutionsbiologie, Ernst-Moritz-Arndt-Universität Greifswald, Zoologisches Institut und Museum, Johann-Sebastian-Bach Str. 11/12, 17487, Greifswald, Tel.: +49 3834 864276, Email: verena.rieger@uni-greifswald.de

**Riehle**, Dr. Alexa, INCM, CNRS, 31 chemin Joseph Aiguier, 13402 CX 20, Marseille, France, Tel.: +331 491 164329, Email: alexa.riehle@incm.cnrs-mrs.fr

**Rien**, Diana, Neurobiology, Bielefeld University, PSF 100131, 33501, Bielefeld, Tel.: +49 521 1065734, Email: diana.rien@uni-bielefeld.de

**Rijal Upadhaya**, M. Sc. Ajeet, Neuropathology, University of Ulm, Helmholtzstraße 8/1, 89081, Ulm, Tel.: +49 731 56393, Email: ajeet.rijal@uni-ulm.de

**Rillich**, Dr. Jan, Institut für Neurobiologie, Freie Universität Berlin, Königin-Luise-Str. 28-30, 14195, Berlin, Tel.: +49 341 6993922, Email: jan.rillich@fu-berlin.de

**Rinke**, Ilka, Synaptic Receptor Trafficking, Max Planck Institute of Neurobiology, Am Klopferspitz 18, 82152, Martinsried, Tel.: +49 89 85783622, Email: rinke@neuro.mpg.de

**Rippl**, Sabrina, AG Rössler, Zoologie II (Universität Würzburg), Am Hubland, 97074, Würzburg, Tel.: +49 176 82142488, Email: sabrina.rippl@biozentrum.uni-wuerzburg.de

**Rister**, Dr. Jens, Biology, New York University, 1009 Silver Center, 100 Washington Square, 10003-6688, New York, USA, Tel.: +1 21299 29529, Email: jr190@nyu.edu

**Rittmeyer**, Mirjam, Department of Biology, University of Konstanz, Universitätsstr. 10, 78464, Konstanz, Tel.: +49 7531 883894, Email: mirjam.rittmeyer@gmx.de

**Robberecht**, Prof. Dr. Wim, Neurobiology, VIB - Leuven, Herestraat 49, 03000, Leuven, Belgium, Tel.: +321 16 344280, Email: wim.robberrecht@uz.kuleuven.be

**Rockahr**, Carolin, Zoology/Developmental Neurobiology, Otto von Guericke University, Institute of Biology, Leipziger Str. 44, 39120, Magdeburg, Tel.: +49 391 6755015, Email: carolin\_rockahr@web.de

**Röckle**, Dr. Iris, Institute of Cellular Chemistry, Hannover Medical School, Carl-Neuberg-Str. 1, 30625, Hannover, Tel.: +49 511 5323367, Email: roeckle.iris@mh-hannover.de

**Rodriguez**, Maria Mónica, Evo-Devo, Universidad de los Andes, Carrera 1 No 18A - 12, 04976, Bogotá, Colombia, Tel.: +57 1 8028005, Email: mariamoncar@gmail.com

**Rodriguez**, Dr. Ivan, Dpt. of Genetics and Evolution, University of Geneva, 30 quai Ernest Ansermet, 01204, Geneva, Switzerland, Tel.: +41 22 3793101, Email: ivan.rodriguez@unige.ch

**Roeder**, Prof. Thomas, Zoology, University of Kiel, Olshausenstraße 40, 24098, Kiel, Tel.: +49 431 8804181, Email: troeder@zoologie.uni-kiel.de

**Roemschied**, Frederic Alexander, Institute for Theoretical Biology, Humboldt University Berlin, Invalidenstraße 43, 10115, Berlin, Tel.: +49 30 21802159, Email: frederic.roemschied@bccn-berlin.de

**Rogers**, Dr. Stephen Mark, Department of Zoology, University of Cambridge, Downing St, CB2 3EJ, Cambridge, United Kingdom, Tel.: +44 1223 331767, Email: smr34@cam.ac.uk

**Rohde**, Anna Maria, Centrum für Anatomie- Institut für Zell- und Neurobiologie, Charité Universitätsmedizin Berlin, Charitéplatz 1, 10117, Berlin, Tel.: +49 30 450528245, Email: anna-maria.rohde@charite.de

**Rohleder**, Cathrin, Centre of Excellence for Research on Psychiatry and Psychotherapy, Central Institute of Mental Health, J5, 68159, Mannheim, Tel.: +49 221 4726218, Email: rohleder@ecnp.net

**Röllecke**, Katharina, Zellphysiologie, Ruhr-Universität Bochum, Universitätsstr. 150, 44780, Bochum, Tel.: +49 234 3222112, Email: katharina.roellecke@rub.de

**Romo-Parra**, PhD Héctor, Institute for Physiology I, University Hospital Münster, Robert-Koch-Str. 27a, 48149, Münster, Tel.: +49 251 8355553, Email: romo@uni-muenster.de

**Ronacher**, Dr. Bernhard, Biology / Behavioural Physiology, Humboldt Universität, Invalidenstr. 43, 10115, Berlin, Tel.: +49 30 20938806, Email: bernhard.ronacher@rz.hu-berlin.de

**Rosenbaum**, Tobias, Biozentrum, Behavioral Physiology and Sociobiology, University of Würzburg, Am Hubland, 97074, Würzburg, Tel.: +49 931 3182599, Email: tobias.rosenbaum@uni-wuerzburg.de

**Rosenbaum**, Philipp, Tierphysiologie, Universität zu Köln, Zülpicher Str. 47b, 50674, Köln, Tel.: +49 221 4703133, Email: philipp.rosenbaum@uni-koeln.de

**Röskam**, Dr. Stephan, Experimental and Physiological Psychology, Philipps-University of Marburg, Gutenbergstraße 18, 35032, Marburg, Tel.: +49 6421 2866137, Email: roeskam@staff.uni-marburg.de

**Rosner**, Dr. Ronny, Tierphysiologie, Universität Marburg, Karl-von-Frisch-Straße 8, 35032, Marburg, Tel.: +49 6421 2825956, Email: rosner@staff.uni-marburg.de

**Rosskoth-Kuhl**, Nicole, Neurobiological Research Laboratory, Department of Otorhinolaryngology, University of Freiburg, Killianst. 5, 79106, Freiburg, Tel.: +49 174 3692932, Email: nicole.rosskoth@gmx.net

**Rössler**, Prof. Dr. Wolfgang, Behavioral Physiology and Sociobiology (Zoology II), University of Würzburg, Biozentrum, Am Hubland, 97074, Würzburg, Tel.: +49 931 3184313, Email: roessler@biozentrum.uni-wuerzburg.de

**Rotermund**, Dr. David, Institute for Theoretical Physics, University of Bremen, Hochschulring 18, 28359, Bremen, Tel.: +49 421 21862003, Email: davrot@neuro.uni-bremen.de

**Roth-Alpermann**, Dr. Claudia, Bernstein Center for Computational Neuroscience, Humboldt University Berlin, Philippstr. 13, Haus 6, 10115, Berlin, Tel.: +49 30 20936712, Email: claudia.roth-alpermann@bccn-berlin.de

**Rotte**, Dr. Cathleen, Institute for Zoology, University of Köln, Zülpicher Str. 47b, 50674 Köln, Tel.: +49 221 4705207, Email: cathleen.rotte@uni-koeln.de

**Ruchty**, Dr. Markus, Department of Neurophysiology, Brain Research Institute, Winterthurerstrasse 190, 08057, Zürich, Switzerland, Tel.: +41 44 6353339, Email: ruchty@hifo.uzh.ch



**Rudolph**, Judith, Institut für Allgemeine Zoologie und Tierphysiologie, Friedrich-Schiller-Universität Jena, Erbertstr. 1, 07743, Jena, Tel.: +49 3641 949113, Email: judith.rudolph@uni-jena.de

**Ruhl**, Dr. Tim, Neuroethology/ Sensory Ecology, University of Bonn - Institute of Zoology, Endericher Allee 11-13, 53115, Bonn, Tel.: +49 228 733751, Email: truhl@uni-bonn.de

**Ruploh**, M. Sc., Tim, Neuroethology (H.J. Bischof), Universität Bielefeld, Morgenbreede 45, 33615, Bielefeld, Tel.: +49 521 1062818, Email: truploh@uni-bielefeld.de

**Ruppert**, Manuela, AG Scholz, Institute of Animal Physiology, Zülpicher Straße 47b, 50674, Köln, Tel.: +49 221 4708071, Email: ruppertm@uni-koeln.de

**Rust**, Dr. Marco, Neurobiology/Neurophysiology Group, University of Kaiserslautern, Erwin-Schrödinger-Straße 13, 67663, Kaiserslautern, Tel.: +49 631 2054669, Email: marco.rust@biologie.uni-kl.de

**Rüttiger**, Dr. Lukas, Tübingen Hearing Research Centre, University of Tübingen, Elfriede-Aulhorn-Str. 5, 72076, Tübingen, Tel.: +49 7071 2988194, Email: lukas.ruettiger@uni-tuebingen.de

**Rybak**, Dr. Jürgen, Department of Evolutionary Neuroethology, Max Planck Institute for Chemical Ecology, Hans-Knöll-Straße 8, 07745, Jena, Tel.: +49 3641 571406, Email: jrybak@ice.mpg.de

## S

**Sabel**, Prof. Dr. Bernhard A., Institute of Medical Psychology, Otto-von-Guericke University Magdeburg, Leipziger Str. 44, 39120, Magdeburg, Tel.: +49 391 6721800, Email: imp@med.ovgu.de

**Sacher**, Till, Computational neuroscience, University Oldenburg, Carl-von-Ossietzky-Straße 9-11, 26121, Oldenburg, Tel.: +49 176 23749822, Email: till.sacher@uni-oldenburg.de

**Sachse**, Dr. Silke, Department of Evolutionary Neuroethology, Max Planck Institute for Chemical Ecology, Hans-Knöll-Straße 8, 07745, Jena, Tel.: +49 3641 571416, Email: ssachse@ice.mpg.de

**Saderi**, Dr. Daniela, Neurobiology Dept., University of Trieste, via A. Fleming, 22, 34127, Trieste, Italy, Tel.: +39 340 6866952, Email: dan.saderi@hotmail.it

**Sahaboglu Tekgöz**, M. Sc., Ayse, Division of Experimental Ophthalmology, Institute for Ophthalmic Research, Röntgenweg 11, 72076, Tübingen, Tel.: +49 7071 2984781, Email: ayse.sahaboglu-tekgoez@klinikum.uni-tuebingen.de

**Sajikumar**, Dr. Sreedharan, Div. Cellular Neurobiology, TU-Braunschweig, Spielmannstr. 7, 38106, Braunschweig, Tel.: +49 531 3913228, Email: s.sajikumar@tu-bs.de

**Saldeitis**, Katja, Dept. Auditory Learning and Speech, Leibniz Institut für Neurobiology, Brenneckestr. 6, 39118, Magdeburg, Tel.: +49 391 6263348, Email: katja.saldeitis@ifn-magdeburg.de

**Sanes**, PhD Joshua Richard, Center for Brain Science, Harvard University, 52 Oxford, 02138, Cambridge MA, USA, Tel.: +1 617 4968683, Email: sanesj@mcb.harvard.edu

**Sargsyan**, Dr. Vardanush, Department of Developmental Neuroethology, Max Planck Institute for Chemical Ecology, Hans-Knöll-St. 8, 07745, Jena, Tel.: +49 3641 571453, Email: vsargsyan@ice.mpg.de

**Saul**, Anika, Molecular Psychiatry, Georg-August-University Göttingen, Von-Siebold-Str. 5, 37075, Göttingen, Tel.: +49 551 2502850, Email: anika.saul@med.uni-goettingen.de

**Saumweber**, Timo, Lehrstuhl für Genetik, Universität Leipzig; Institut für Biologie II, Talstr. 33, 04103, Leipzig, Tel.: +49 179 5491938, Email: timo.saumweber@biozentrum.uni-wuerzburg.de

**Savalli**, Nicoletta, Biological Sciences and Biotechnologies, University of Milan, via celoria 26, 20133, Milan, Italy, Tel.: +39 2 50314959, Email: nicoletta.savalli@unimi.it

**Stern**, Dr. Michael, Cell Biology, University of Veterinary Medicine Hannover, Boschofsholer Damm 15/102, 30173, Hannover, Tel.: +49 511 8567767, Email: michael.stern@tiho-hannover.de

**Schabbach**, Nadine, Institute of Microanatomy and Neurobiology, University Medical Center, Langenbeckstr. 1, Building 708, 55131, Mainz, Tel.: +49 176 23127272, Email: n.schabbach@live.de

**Schachtner**, Prof. Dr. Joachim, Animal Physiology - Neurobiology, Philipps-University Marburg, Karl-von-Frisch Str. 8, 35032, Marburg, Tel.: +49 6421 2823414, Email: schachtj@staff.uni-marburg.de

**Schäfer**, PhD Michael K., Institute of Anatomy and Cell Biology, University of Freiburg, Albertstr. 17, 79104, Freiburg, Tel.: +49 761 2038425, Email: michael.schaefer@zfn.uni-freiburg.de

**Schäfer**, Prof. Dr. med, Karl-Herbert, Biotechnology, University of Applied Sciences Kaiserslautern, Amerikastraße 1, 66482, Zweibrücken, Tel.: +49 6332 914418, Email: karl-herbert.schaefer@fh-kl.de

**Schaffelhofer**, Stefan, Neurobiology, German Primate Center, Kellnerweg 4, 37077, Göttingen, Tel.: +49 551 3851484, Email: s\_schaffelhofer@gmx.at

**Schanz**, Dr. med., Susanne, Marktstr. 11, 72622, Nürtingen, Tel.: +49 0160 97711163, Email: schanz.daheim@t-online.de

**Schanze**, Prof. Dr. Thomas, FB Krankenhaus- und Medizintechnik, Umwelt- und Biotechnologie, University of Applied Sciences - FH Gießen-Friedberg, Wiesenstr. 14, 35390, Gießen, Tel.: +49 641 3092639, Email: thomas.schanze@tg.fh-giessen.de

**Schauer**, Christian, Physiology, Leinders-Zufall Group, University of Saarland, Kirrbergerstraße, 66421, Homburg, Tel.: +49 6841 1626576, Email: chschauer@t-online.de

**Scheller**, Alex, Institute of Neurobiology, University of Ulm, Albert-Einstein-Allee 11, 89081, Ulm, Tel.: +49 731 5022632, Email: alex.scheller@uni-ulm.de

**Schendzielorz**, PhD Thomas, Animal Physiology, University of Kassel, Heinrich-Plett-Str. 40, 34132, Kassel, Tel.: +49 163 2095376, Email: schendzielorz@uni-kassel.de

**Scherberger**, Prof. Dr. Hans, FG Neurobiology, German Primate Center, Kellnerweg 4, 37077, Göttingen, Tel.: +49 551 3851494, Email: hscherberger@dpz.eu

**Scheunemann**, Lisa, Neurogenetic, Free University Berlin, Takustr. 6, 14195, Berlin, Tel.: +49 30 83856901, Email: lisa.scheunemann@fu-berlin.de

**Scheuss**, Dr. Volker, Cellular and Systems Neurobiology, Max Planck Institute of Neurobiology, Am Klopferspitz 18, 82152, Martinsried, Tel.: +49 89 85783722, Email: scheuss@neuro.mpg.de

**Schild**, Prof. Dr. Detlev, Neurophysiologist and Cellular Biophysics, Physiologisches Institut, Humboldtallee 23, 37073, Göttingen, Tel.: +49 551 395918, Email: dschild@gwdg.de

**Schildberger**, Prof. Dr. Klaus, Institute for Biology, University Leipzig, Talstr.33, 04103, Leipzig, Tel.: +49 341 9736841, Email: schild@rz.uni-leipzig.de

**Schilling**, Dr. Stephan, Enzymology, Probiodrug AG, Weinbergweg 22 Biocenter, 06120, Halle, Tel.: +49 345 5559911, Email: Stephan.Schilling@probiodrug.de

**Schindler**, Dr. Jens, Neurogenetics Group, University of Oldenburg, Carl-von-Ossietsky-Str. 9-11, 26129, Oldenburg, Tel.: +49 441 7982937, Email: jens.schindler@uni-oldenburg.de

**Schira**, Jessica, Neurology, Neurochemical Laboratory, Moorenstr. 5, 40225, Düsseldorf, Tel.: +49 211 8118985, Email: j.schira@uni-duesseldorf.de

**Schirmeyer**, Jana, Center for Molecular Biomedicine, Department of Biophysics, Friedrich Schiller University Jena, Hans-Knöll-Str. 2, 07745, Jena, Tel.: +49 3641 9395655, Email: jana.schirmeyer@uni-jena.de

**Schleicher**, Sabine, Institute for Zoology, Biocenter Köln, Zülpicher Straße 47b, 50674, Köln, Tel.: +49 221 4702605, Email: sabine.schleicher@uni-koeln.de

**Schlenker**, Désirée, Institut für Zellbiologie und Neurowissenschaft, Goethe-Universität Frankfurt, Siesmayerstr. 70, 60323, Frankfurt am Main, Tel.: +49 6171 71545, Email: desiree.schlenker@gmx.de



**Schleyer**, Michael, Faculty of Biology II - Genetics, University of Leipzig, Talstraße 33, 04103, Leipzig, Tel.: +49 152 53167975, Email: michael\_schleyer@yahoo.de

**Schloss**, Dr. Patrick, Biochemical Laboratory, Central Institute of Mental Health, J5, 68159, Mannheim, Tel.: +49 621 17032901, Email: patrick.schloss@zi-mannheim.de

**Schmid**, Dr. Michael C., AG Fries, Ernst Strüngmann Institut, Deutschordenstraße 46, 60528, Frankfurt/Main, Tel.: +49 69 96769517, Email: michael.schmid@esi-frankfurt.de

**Schmid**, Christina, Institute of Neurobiology, University Ulm, Albert-Einstein-Allee 11, 89081, Ulm, Tel.: +49 731 5022645, Email: christina.schmid@uni-ulm.de

**Schmidt**, Prof. Dr. Rupert, Biotechnology Centre, Justus-Liebig-Universität Gießen, Leihgesterner Weg 217, 35392, Gießen, Tel.: +49 641 9916500, Email: Rupert.Schmidt@zbb.uni-giessen.de

**Schmidt**, Mirko, RG Developmental Neurobiology, Max-Planck-Institute for Brain Research, Deutschordenstr. 46, 60528, Frankfurt/Main, Tel.: +49 69 96769445, Email: mirko.schmidt@brain.mpg.de

**Schmidt**, Katharina, Department of Neurobiology, University of Oldenburg, Carl-von-Ossietzky-Straße 9-11, 26111, Oldenburg, Tel.: +49 441 7983202, Email: kathifue@googlemail.com

**Schmidt**, Dr. Joachim, Institute of Zoology, University of Köln, Zülpicher Str. 47b, 50674, Köln, Tel.: +49 221 4706135, Email: joachim.schmidt@uni-koeln.de

**Schmidt**, Dr. Sein, Neurology, Charite Berlin, Chariteplatz 1, 10117, Berlin, Tel.: +49 30 450560045, Email: sein.schmidt@charite.de

**Schmidtke**, Daniel, Institute of Zoology, University of Veterinary Medicine Hannover, Bünteweg 17, 30559, Hannover, Tel.: +49 511 9538427, Email: Daniel.Schmidtke@tiho-hannover.de

**Schmitt**, Prof. Dr. Oliver, Anatomy, University of Rostock, Gertrudenstr. 9, 18055, Rostock, Tel.: +49 381 4948408, Email: schmitt@med.uni-rostock.de

**Schmitt**, PhD Angelika G., Department of Psychiatry, Psychosomatics and Psychotherapy, University of Würzburg, Füchleinstr. 15, 97070, Würzburg, Tel.: +49 931 20177350, Email: Angelika.schmitt@mail.uni-wuerzburg.de

**Schmitz**, Dr. Matthias, Neurology/ Prion Research, Universitätsmedizin Göttingen, Robert-Koch-Straße 40, 37075, Göttingen, Tel.: +49 551 3910454, Email: matthias.schmitz@med.uni-goettingen.de

**Schmuker**, Dr. Michael, Neuroinformatics & Theoretical Neuroscience, Freie Universität Berlin, Königin-Luise-Str. 1-3, 14195, Berlin, Tel.: +49 30 83857294, Email: m.schmuker@fu-berlin.de

**Schnack**, Dr. Cathrin, Experimentelle Neurology, Uniklinikum Ulm, Helmholtzstraße 8/1, 89091, Ulm, Tel.: +49 731 50063117, Email: cathrin.schnack@uni-ulm.de

**Schneider**, Romy, Research Group Molecular Physiology, Leibniz Institute for Neurobiology, Brennekestr. 6, 39118, Magdeburg, Tel.: +49 391 6263637, Email: romy.schneider@ifn-magdeburg.de

**Schneider**, Dr. Miriam, Psychopharmacology, Central Institute of Mental Health, J 5, 68159, Mannheim, Tel.: +49 621 17036269, Email: miriam.schneider@zi-mannheim.de

**Schneider**, Dr. Nils-Lasse, AG Neurosensorik, University of Oldenburg, Carl-von-Ossietzky-Str. 9-11, 26111, Oldenburg, Tel.: +49 441 7983981, Email: nils.l.schneider@uni-oldenburg.de

**Schneider**, Anna, Zoologisches Institut, AG Walkowiak, Universität zu Köln, Frohnhofstraße 42, 50765, Köln, Tel.: +49 221 5908451, Email: corva@web.de

**Schneider**, , Andrea, AG Scholz, Institute of Animal Physiology, Zülpicher Str. 47b, 50674, Köln, Tel.: +49 221 4708071, Email: as0@uni-koeln.de

**Schneider**, Prof. Dr. Toni, Institute of Neurophysiology, University of Köln, Robert-Koch-Str. 39, 50931, Köln, Tel.: +49 221 4786946, Email: toni.schneider@uni-koeln.de



**Schnell**, Christian, Neuro- und Sinnesphysiologie, Universitätsmedizin Göttingen, Humboldtallee 23, 37073, Göttingen, Tel.: +49 551 391 2205, Email: christian.schnell@medizin.uni-goettingen.de

**Schnepel**, Philipp, Neurobiology and Biophysics, Faculty of Biology, University of Freiburg, Schänzlestraße 1, 79104, Freiburg, Tel.: +49 761 2032865, Email: philipp.schnepel@biologie.uni-freiburg.de

**Schnichels**, Sven, University Eye Hospital Tübingen, Centre of Ophthalmology Tübingen, Schleichstr. 12/1, 72076, Tübingen, Tel.: +49 7071 2984015, Email: sven.schnichels@med.uni-tuebingen.de

**Schnieder**, Marlena, Neurologie AG Kermer, Universitätsmedizin Göttingen, Waldweg 33, 37073, Göttingen, Tel.: +49 151 15212322, Email: marlena.schnieder@gmx.de

**Schöbel**, Andreas, Neuroanatomy and Molecular Brain Research, Ruhr-University Bochum, Universitätsstraße 150, 44780, Bochum, Tel.: +49 243 3227847, Email: andreas.schoebel@rub.de

**Schober**, Dr. Andreas, Institut of Anatomy & Cell Biology II, Dept .Molecular Embryology, University of Freiburg, Albertstraße 17, 79104, Freiburg, Tel.: +49 761 2035092, Email: andreas.schober@anat.uni-freiburg.de

**Scholl**, Christina, Behavioral Physiology and Sociobiology, University of Würzburg, Biozentrum, Am Hubland, 97074, Würzburg, Tel.: +49 931 3180780, Email: christina.scholl@uni-wuerzburg.de

**Scholz**, Sabrina, Neurogenetic, Free University Berlin, Takustr. 6, 14195, Berlin, Tel.: +49 30 83856901, Email: sabrina.scholz@fu-berlin.de

**Scholz**, Prof. Dr. Henrike, Biocenter, Animal Physiology, Zülpicher Straße 47b, 50674, Köln, Tel.: +49 221 4703121, Email: hscholz2@uni-koeln.de

**Scholz**, Dr. Henrike, Animal Physiology, Zoology, Zülpicher Straße 47b, 50674, Köln, Tel.: +49 221 4703121, Email: hscholz2@uni-koeln.de

**Schöne**, Cornelia, Pharmacology, University of Cambridge, Tennis Court Road, CB21PD, Cambridge, United Kingdom, Tel.: +44 1223 339682, Email: cs618@cam.ac.uk

**Schöneich**, Dr. Stefan, Department of Zoology, University of Cambridge, Downing Street, CB2 3EJ, Cambridge, United Kingdom, Tel.: +44 1223 769013, Email: ss817@cam.ac.uk

**Schönfelder**, Yvonne, Department of Psychiatry and Psychotherapy, University Medical Center of the Johannes Gutenberg University Mainz, Untere Zahlbacher Str. 8, 55131, Mainz, Tel.: +49 6131 177010, Email: schoenfelder\_y@psychiatrie.klinik.uni-mainz.de

**Schreiber**, Prof. Dr. Susanne, Institute for Theoretical Biology, Humboldt-University Berlin, Invalidenstr. 43, 10115, Berlin, Tel.: +49 30 20938652, Email: s.schreiber@biologie.hu-berlin.de

**Schubert**, PhD Timm, AG Euler, Centre for Integrative Neuroscience / Institute for Ophthalmic Research, Röntgenweg 11, 72076, Tübingen, Tel.: +49 7071 2984749, Email: timm.schubert@cin.uni-tuebingen.de

**Schubert**, PhD Dirk, Department of Cognitive Neuroscience, Donders Institute for Brain, Cognition and Behaviour, Radboud University Medical, Geert Grooteplein 21, 6525 EZ, Nijmegen, Netherlands, Tel.: +31 24 3615039, Email: d.schubert@donders.ru.nl

**Schuemann**, Anne, Department for Cellular and Systems Neurobiology, Max Planck Institute for Neurobiology, Am Klopferspitz 18, 82152, Martinsried, Tel.: +49 89 85783666, Email: schuemann@neuro.mpg.de

**Schuh**, Claus-Dieter, Pharmazentrum Frankfurt/ZAFES Institut für klinische Pharmakologie, Klinikum der Goethe-Universität, Theodor-Stern-Kai 7, 60590, Frankfurt/Main, Tel.: +49 69 630183966, Email: schuh@med.uni-frankfurt.de

**Schultheiss**, Dr. Maximilian, Centre of Ophthalmology, University Eye Hospital Tübingen, Schleichstr.12, 72076, Tübingen, Tel.: +49 177 4776246, Email: maximilianschultheiss@web.de

**Schultz**, Dr. Konrad, Fak.V/IBU AG Neurobiologie, University of Oldenburg, Carl-von-Ossietzky-Str., 26111, Oldenburg, Tel.: +49 441 7983202, Email: konrad.schultz@uni-oldenburg.de

**Schultze-Kraft**, Matthias, Machine Learning Group, Berlin Institute of Technology, Franklinstr. 28/29, 10587, Berlin, Tel.: +49 30 31428678, Email: schultze-kraft@tu-berlin.de



**Schulz**, Steffen Björn, Institute of Neurophysiology, Charité Universitätsmedizin Berlin, Oudenarder Str. 16, 13347, Berlin, Tel.: +49 30 450528359, Email: steffen.schulz@charite.de

**Schulz**, PhD Joachim G., Department Human Genetics, University Leuven, Herestraat 49 bus 602, 03000, Leuven, Belgium, Tel.: +321 6 330525, Email: joachim.schulz@med.kuleuven.be

**Schulze**, Prof. Dr. Holger, Experimental Otolaryngology, University of Erlangen-Nürnberg, Waldstr. 1, 91054, Erlangen, Tel.: +49 9131 8543845, Email: Holger.Schulze@uk-erlangen.de

**Schulze**, Julia, Biology / Animal Physiology, University of Kassel, Heinrich-Plett-Straße 40, 34134, Kassel, Tel.: +49 561 8044726, Email: julia.schulze@uni-kassel.de

**Schwabe**, PhD Kerstin, Department of Neurosurgery, Medical School Hannover, Carl-Neuberg-Str. 1, 30625, Hannover, Tel.: +49 511 5322862, Email: schwabe.kerstin@mh-hannover.de

**Schwale**, Chrysovalandis, Neurophysiology AG Draguhn, Institute of Physiology and Pathophysiology Heidelberg, INF 326, 69120, Heidelberg, Tel.: +49 176 24410492, Email: c.schwale@physiologie.uni-heidelberg.de

**Schwannauer**, Kathrin Judith, Institute for Neurobiology, Ulm University, Albert-Einstein-Allee 11, 89081, Ulm, Tel.: +49 731 5022651, Email: kathrin.schwannauer@uni-ulm.de

**Schwarting**, Prof. Dr. Rainer K.W., Experimental and Biological Psychology, Philipps-University of Marburg, Gutenbergstr. 18, 35032, Marburg, Tel.: +49 6421 2823639, Email: schwarti@staff.uni-marburg.de

**Schwarz**, Prof. Dr. Cornelius, Systems Neurophysiology, Hertie Institute for Clinical Brain Research, O.-Müller-Str. 27, 72076, Tübingen, Tel.: +49 7071 2980462, Email: cornelius.schwarz@uni-tuebingen.de

**Schwarz-Herzke**, PhD Beryl, Institute for Anatomy, Heinrich-Heine Universität Düsseldorf, Universitätsstraße 1, 40225, Düsseldorf, Tel.: +49 211 8112639, Email: Beryl.Schwarz-Herzke@uni-duesseldorf.de

**Schwarzwälder**, Dr. Kerstin, Bernstein Coordination Site (BCOS), Albert Ludwigs University Freiburg, Hansasträße 9a, 79104, Freiburg, Tel.: +49 761 2039594, Email: schwarzwaelder@bcos.uni-freiburg.de

**Schwintzer**, Lukas, Institut für Biochemie I, Universitätsklinikum Jena, Friedrich-Schiller-Universität Jena, Nonnenplan 2, 07743, Jena, Tel.: +49 3641 38637, Email: lukas.schwintzer@mti.uni-jena.de

**Schwyn**, Daniel A., Department of Bioengineering, Imperial College London, South Kensington Campus, SW7 2AZ, London, United Kingdom, Tel.: +44 79 64918073, Email: daniel.schwyn07@imperial.ac.uk

**Scott**, Helen, Institute of Zoology, AG Kloppenburg, University of Köln, Zülpicher Str. 47b, 50674, Köln, Tel.: +49 15 788042786, Email: helen.scott@gb.cisv.org

**Sczapan**, Teresa, Group of Molecular Cell Biology, Department of Cell Morphology and Molecular Neurobiology, Universitätsstraße 150, 44780, Bochum, Tel.: +49 234 3222517, Email: teresa.sczapan@rub.de

**Seagraves**, Kelly Marie, Zoology, University of Cambridge, Queens' College, Silver Street, CB3 9ET, Cambridge, United Kingdom, Tel.: +44 1223 336622, Email: ks584@cam.ac.uk

**Sedmak**, Tina, Department Biology, University of Erlangen-Nürnberg, Animal Physiology, Staudtstraße 5, 91058, Erlangen, Tel.: +49 9131 8528329, Email: tsedmak@biologie.uni-erlangen.de

**Seefluth**, Florian, Cytologie und Evolutionsbiologie, Ernst Moritz Arndt Universität Greifswald, Zoologisches Institut & Museum, Johann Sebastian Bach-Str. 11/12, 174898, Greifswald, Tel.: +49 3834 864109, Email: F.Seefluth@uni-greifswald.de

**Seffer**, Dominik, Experimental and Physiological Psychology, Philipps-University of Marburg, Gutenbergstr. 18, 35032, Marburg, Tel.: +49 6421 2823646, Email: seffer@staff.uni-marburg.de

**Seidenbecher**, Dr. Constanze, Neurochemistry, Leibniz Institute for Neurobiology, Brenneckestr. 6, 39118, Magdeburg, Tel.: +49 391 6263218, Email: seidenc@ifn-magdeburg.de

**Seifert**, PhD Gerald, Institute of Cellular Neurosciences, University of Bonn, Sigmund-Freud-Str. 25, 53105, Bonn, Tel.: +49 228 28719781, Email: Gerald.Seifert@ukb.uni-bonn.de

**Seifert**, Bianca, Institut für Physiologie, Otto-von-Guericke-Universität Magdeburg, Leipziger Str. 44, 39120, Magdeburg, Tel.: +49 361 6717979, Email: bianca.seifert@med.ovgu.de

**Seitter**, Hartwig, Centre for Integrative Neuroscience, University of Tübingen, Paul-Ehrlich-Str. 15, 72076, Tübingen, Tel.: +49 7071 2989188, Email: hartwig.seitter@gmx.de

**Selcho**, Dr. Mareike, Department of Biology, Neurobiology/Ethology, Philipps-University Marburg, Karl-von-Frisch-Str. 8, 35032, Marburg, Tel.: +49 6421 2823416, Email: mareike.selcho@staff.uni-marburg.de

**Seltmann**, Susanne, Department Behavioural Neurobiology, Max Planck Institute for Ornithology, Eberhard-Gwinner-Straße, 82319, Seewiesen, Tel.: +49 8157 932392, Email: sselmann@orn.mpg.de

**Semar**, Sandra, Biotechnology, University of Applied Sciences Kaiserslautern, Amerikastraße 1, 66482, Zweibrücken, Tel.: +49 6332 914426, Email: sandra.semar@fh-kl.de

**Sendtner**, Dr. Michael, Institute of Clinical Neurobiology, University of Würzburg, Versbacher Str. 5, 97078, Würzburg, Tel.: +49 931 20144000, Email: Sendtner\_M@klinik.uni-wuerzburg.de

**Sengupta**, Biswa, Neural Circuits Design Group, University of Cambridge, Downing St, Cambridge, CB2 3EJ, Cambridge, United Kingdom, Tel.: +44 7545 258087, Email: bs393@cam.ac.uk

**Senthilan**, Pingkalai R, Cellular Neurobiology, University of Göttingen, Hermann-Rein-Str 3, 37075, Göttingen, Tel.: +49 551 3899409, Email: prajesw@gwdg.de

**Shao**, PhD Jing, Visual coding, Max Planck Institute of Neurobiology, Am Klopferspitz 18, 82152, Martinsried, Tel.: +49 89 85783468, Email: shao@neuro.mpg.de

**Sharaf**, Ahmed, Institute of Anatomy & Cell Biology, Department of Molecular Embryology, Albert-Ludwigs-Universität Freiburg, Albertstraße 17, 79104, Freiburg, Tel.: +49 761 2035098, Email: ahmed.sharaf@anat.uni-freiburg.de

**Sharopov**, Salim, Institut of Physiology and Pathophysiology, University Medical Center Mainz, Duesbergweg 6, 55128, Mainz, Tel.: +49 6131 3926101, Email: sharopov@uni-mainz.de

**ShasTry**, Akhil Mallikarjuna, Zoologie, Technische Universität München, Liesel-Beckmann-Straße 4, 85350, Freising-Weißenstephan, Tel.: +49 176 35387615, Email: akhil.shastry@wzw.tum.de

**Shi**, Dr. Yiquan, Department for General & Experimental Psychology, LMU, München, Leopoldstr 13, 80802, München, Tel.: +49 89 21805159, Email: ssyyqq.s@gmail.com

**Shiga**, Dr. Sakiko, Graduate School of Science, Osaka City University, 3-3-138, Sugimoto, Sumiyoshi, 558-8585, Osaka, Japan, Tel.: +81 6 66052573, Email: shigask@sci.osaka-cu.ac.jp

**Sibbe**, PhD Mirjam, Institute of Anatomy and Cell Biology/ Neuroanatomy, University of Freiburg, Albertstr. 17, 79104, Freiburg, Tel.: +49 761 2035058, Email: mirjam.sibbe@anat.uni-freiburg.de

**Sieben**, Kay, Developmental Neurophysiology, Center for Molecular Neurobiology, University Medical Center Hamburg-Eppendorf, Falkenried 94, 20251, Hamburg, Tel.: +49 40 741056605, Email: kay.sieben@zmnh.uni-hamburg.de

**Siebert**, Dr. Heike, Institute of Neuropathology, University Medical Centre, Robert-Koch-Str. 40, 37075, Göttingen, Tel.: +49 551 396617, Email: hsiebert@med.uni-goettingen.de

**Siegel**, Friederike, Synapse and Network Development, Netherlands Institute for Neuroscience, Meibergdreef 47, 1105 BA, Amsterdam, Netherlands, Tel.: +31 20 5665093, Email: f.siegel@nin.knaw.nl

**Siegel**, Dr. Markus, Centre for Integrative Neuroscience, University of Tübingen, Paul-Ehrlich-Str. 17, 72076, Tübingen, Tel.: +49 7071 2989185, Email: markus.siegel@uni-tuebingen.de

**Sieler**, Sina, Dept. Neurophysiology and Pathophysiology, University Medical Center Hamburg-Eppendorf, Martinistr. 52, 20246, Hamburg, Tel.: +49 40 741056505, Email: s.sielier@uke.uni-hamburg.de



**Signore**, Dr. Sandra C., Department of Neurology, University of Göttingen, Robert-Koch-Straße 40, 37077, Göttingen, Tel.: +49 551 3914139, Email: [signore@med.uni-goettingen.de](mailto:signore@med.uni-goettingen.de)

**Simoës**, Patricio Manuel, Zoology, University of Cambridge, Downing Street, CB2 3EJ, Cambridge, United Kingdom, Tel.: +44 1223 336600, Email: [patricio.simoës@gmail.com](mailto:patricio.simoës@gmail.com)

**Singh**, Shailender, Pathology, VU Medical Center, PO Box 7057, 1007 MB, Amsterdam, Netherlands, Tel.: +31 20 4444585, Email: [shailendersingh4@rediffmail.com](mailto:shailendersingh4@rediffmail.com)

**Singh**, Vikramjeet, Department of Neurology, Hannover Medical School, Carl-Neuberg-Straße 1, 30625, Hannover, Tel.: +49 511 5323737, Email: [vikram\\_genetics1@yahoo.co.in](mailto:vikram_genetics1@yahoo.co.in)

**Sinke**, M. Sc., Christopher, Clinic for Psychiatry, Social Psychiatry and Psychotherapy, Hannover Medical School, Stormstr. 5, 30177, Hannover, Tel.: +49 511 5326658, Email: [sinke.christopher@mh-hannover.de](mailto:sinke.christopher@mh-hannover.de)

**Sivakumaran**, Dr. Sudhir, Neurobiology, SISSA/ISAS, Lab 551/554, 5th Floor, Via Bonomea 265, 34136, Trieste, Italy, Tel.: +39 40 3787766, Email: [su.sivakumaran@gmail.com](mailto:su.sivakumaran@gmail.com)

**Sivalingam**, Jeyathevy, Institute of Biology II, RWTH Aachen University, Lukasstraße 1, 52074, Aachen, Tel.: +49 241 8020831, Email: [jeya.si@gmx.de](mailto:jeya.si@gmx.de)

**Skuljec**, Jelena, Department of Neurology, Hannover Medical School, Carl-Neuberg-Str. 1, 30625, Hannover, Tel.: +49 511 5323737, Email: [skuljec.jelena@mh-hannover.de](mailto:skuljec.jelena@mh-hannover.de)

**Sloviter**, Prof. Dr. Robert S, Department of Pharmacology, University of Arizona College of Medicine, 1501 N. Campbell Ave, 85724, Tucson, USA, Tel.: +1 520 6266491, Email: [sloviter@u.arizona.edu](mailto:sloviter@u.arizona.edu)

**Sobolev**, Andrey, Computational Neuroscience, Ludwig-Maximilians-Universität München, Großhaderner Straße 2, 82152, Martinsried, Tel.: +49 151 11021092, Email: [sobolev@bio.lmu.de](mailto:sobolev@bio.lmu.de)

**Soelter**, Jan, Neuroinformatics & Theoretical Neuroscience, Freie Universität Berlin, Königin-Luise-Str. 1-3, 14195, Berlin, Tel.: +49 30 83857292, Email: [j.soelter@fu-berlin.de](mailto:j.soelter@fu-berlin.de)

**Sombke**, Andy, Cytologie und Evolutionsbiologie, Ernst-Moritz-Arndt-Universität Greifswald, Zoologisches Institut und Museum, Johann-Sebastian-Bach-Straße 11/12, 17487, Greifswald, Tel.: +49 3834 864109, Email: [andy.sombke@uni-greifswald.de](mailto:andy.sombke@uni-greifswald.de)

**Sondersorg**, M. Sc., Anna Christina, Cellphysiology, Ruhr-Universität Bochum, Universitätsstr. 150, 44780, Bochum, Tel.: +49 234 3226793, Email: [anna-christina.sondersorg@rub.de](mailto:anna-christina.sondersorg@rub.de)

**Soriano**, Dr. Jordi, Physics Faculty, ECM department, University of Barcelona, Av. Diagonal 647, 6th floor, 08028, Barcelona, Spain, Tel.: +349 3 4020554, Email: [jordi.soriano@ub.edu](mailto:jordi.soriano@ub.edu)

**Sorusch**, Nasrin, Zell- und Matrix Biologie, AG Wolfrum, Johannes-Gutenberg-Universität Mainz, Johann-v.-Müller-Weg 6, 55128, Mainz, Tel.: +49 6131 3922880, Email: [nasrinso@students.uni-mainz.de](mailto:nasrinso@students.uni-mainz.de)

**Spalthoff**, Christian, Department of Neurobiology, Bielefeld University, Postfach 100131, 33501, Bielefeld, Tel.: +49 521 1065727, Email: [christian.spalthoff@uni-bielefeld.de](mailto:christian.spalthoff@uni-bielefeld.de)

**Spanou**, Elena, Cognitive Neuroscience Laboratory, German Primate Center, Kellnerweg 4, 37077, Göttingen, Tel.: +49 551 3851345, Email: [elenaspanou@gmail.com](mailto:elenaspanou@gmail.com)

**Speer**, Jan Manuel, Department of Molecular Embryology, Albert-Ludwigs-Universität Freiburg - Institute of Anatomy and Cell Biology, Albertsstr. 17, 79104, Freiburg, Tel.: +49 761 2035374, Email: [Jan.M.Speer@anat.uni-freiburg.de](mailto:Jan.M.Speer@anat.uni-freiburg.de)

**Spehr**, Prof. Dr. Marc, LuF Chemosensorik, RWTH-Aachen University, Worringer Weg 1, Sammelbau Biologie, 42D / Ra, 52074, Aachen, Tel.: +49 241 8020802, Email: [m.spehr@sensorik.rwth-aachen.de](mailto:m.spehr@sensorik.rwth-aachen.de)

**Spittau**, Dr. Björn, Institute of Anatomy & Cell Biology, Department of Molecular Embryology, Albert-Ludwigs-Universität Freiburg, Albertstraße 17, 79104, Freiburg, Tel.: +49 761 2035092, Email: [bjoern.spittau@anat.uni-freiburg.de](mailto:bjoern.spittau@anat.uni-freiburg.de)

**Spitzbarth**, Benjamin, AG Wolfrum, Johannes Gutenberg-Universität Mainz, Müllerweg 6, 55099, Mainz, Tel.: +49 176 61055263, Email: benjamin.spitzbarth@web.de

**Spors**, Dr. Hartwig, Dept. of Molecular Neurogenetics, Max Planck Institute of Biophysics, Max-von-Laue-Str. 3, 60438, Frankfurt/Main, Tel.: +49 69 63034005, Email: haspors@biophys.mpg.de

**Srivatsa**, Swathi, Cortical Development Group, Max Planck Institute for Experimental Medicine, Hermann-Rein-Str. 3, 37075, Göttingen, Tel.: +49 176 82107763, Email: srivatsa@em.mpg.de

**Staedele**, Carola, Ulm University, Institute of Neurobiology, Albert-Einstein-Allee 11, 89081, Ulm, Tel.: +49 731 5022644, Email: carola@neurobiologie.de

**Staiger**, Prof. Dr. Jochen, Department Neuroanatomy, Center Anatomy, Kreuzberggring 36, 37075, Göttingen, Tel.: +49 551 397051, Email: jochen.staiger@med.uni-goettingen.de

**Stavermann**, PhD Maren, Division of General Zoology, Department of Biology, Erwin-Schrödinger-Str. 13, 67663, Kaiserslautern, Tel.: +49 631 2053518, Email: maren.stavermann@biologie.uni-kl.de

**Stein**, Wolfgang, Ulm University, Institute of Neurobiology, Albert-Einstein Allee 11, 89081, Ulm, Tel.: +49 731 5022636, Email: wstein@neurobiologie.de

**Steinecke**, André, Institut für Allgemeine Zoologie und Tierphysiologie, Friedrich Schiller Universität Jena, Ebertstr. 1, 07743, Jena, Tel.: +49 3641 949129, Email: a.steinecke@uni-jena.de

**Steininger**, Tanja, Molecular and cellular neurobiology, University of Salzburg, Hellbrunner Straße 34, 05020, Salzburg, Austria, Tel.: +43 664 5544564, Email: steininger.tanja@gmx.at

**Stemme**, Torben, Division of Cell Biology, Institute of Physiology, University of Veterinary Medicine Hannover, Bischofsholer Damm 15, 30173, Hannover, Tel.: +49 511 9537768, Email: torben\_stemme@gmx.net

**Stengl**, Dr. Monika, FB 10 Biology, Animal Physiology, University of Kassel, Heinrich Plett Str. 40, 34132, Kassel, Tel.: +49 561 8044564, Email: stengl@uni-kassel.de

**Stephan**, Valeska Marija, Cognitive Neuroscience, German Primate Center, Kellnerweg 4, 37077, Göttingen, Tel.: +49 551 3851345, Email: vstepha@gwdg.de

**Stern**, Dr. Michael, Cell Biology, University of Veterinary Medicine Hannover, Bischofsholer Damm 15/102, 30173, Hannover, Tel.: +49 511 8567767, Email: michael.stern@tiho-hannover.de

**Stetter**, Olav Frank, Nichtlineare Dynamik, Max-Planck-Institut für Dynamik und Selbstorganisation, Bunsenstr. 10, 37073, Göttingen, Tel.: +49 178 9709497, Email: olav@nld.ds.mpg.de

**Stevenson**, Prof. Dr. Paul Anthony, Institute for Biology, University of Leipzig, Talstr. 33, 04103, Leipzig, Tel.: +49 341 9736879, Email: stevenson@rz.uni-leipzig.de

**Stieb**, Sara Mae, Behavioral Physiology and Sociobiology, University of Würzburg, Am Hubland, 97074, Würzburg, Tel.: +49 931 3189581, Email: sara-mae.stieb@biozentrum.uni-wuerzburg.de

**Stierle**, Jacob S., Neurobiology, University of Konstanz, M 624, 78457, Konstanz, Tel.: +49 7531 883205, Email: jacob.stierle@uni-konstanz.de

**Stitt**, Iain Maurice, Institute for Neurophysiology and Pathophysiology, University Medical Center, Hamburg-Eppendorf, Martinistraße 52 (N43), 20246, Hamburg, Tel.: +49 40 741056853, Email: i.stitt@uke.de

**Stöber**, Franziska, Dept. Auditory Learning and Speech, Leibniz Institut für Neurobiologie, Brennekestraße 6, 39118, Magdeburg, Tel.: +49 391 6263348, Email: franziska.stoerber@ifn-magdeburg.de

**Stockebrand**, Dr. Malte C., DFG Heisenberg Team Experimental Neuropediatrics, Center for Molecular Neurobiology Hamburg, Falkenried 94, 20251, Hamburg, Tel.: +49 40 741056651, Email: malte.stockebrand@zmnh.uni-hamburg.de

**Stocker**, Bettina, Neurobiology, Freie Universität Berlin, Königin-Luise-Str. 28-30, 14195, Berlin, Tel.: +49 30 83856880, Email: bettina.stocker@web.de



**Stoewer**, Adrian, Biozentrum Martinsried, Ludwig-Maximilians Universität, München, German Neuroinformatics Node, Großharderner Str. 2, 82152, Martinsried, Tel.: +49 89 45470281, Email: stoewer@cip.ifi.lmu.de

**Stopfer**, PhD Mark, NICHD, US National Institutes of Health, 35 Lincoln Drive, 20892, Bethesda, USA, Tel.: +1 301 4514534, Email: stopfer@mail.nih.gov

**Stoya**, Dr. Gudrun, Institute of Anatomy I, University of Jena School of Medicine, Teichgraben 7, 07743, Jena, Tel.: +49 3641 938543, Email: Gudrun.Stoya@mti.uni-jena.de

**Stoykova**, Dr. Anastassia, RG Molecular Developmental Neurobiology, MPI for Biophysical Chemistry, Am Faßberg, 37077, Göttingen, Tel.: +49 551 2011710, Email: astoyko@gwdg.de

**Strauss**, Dr. Johannes, Zoological Institute, Stockholm University, Svante Arrhenius väg 18, 10691, Stockholm, Sweden, Tel.: +46 737 299963, Email: johannes.d.strauss@gmail.com

**Streinzer**, Martin, Department of Evolutionary Biology, University of Vienna, Althanstraße 14, 01090, Wien, Austria, Tel.: +43 4277 54454, Email: martin.streinzer@univie.ac.at

**Strien**, Nadine, Neuropsychology, Location Magdeburg, German Center for Neurodegenerative Diseases (DZNE), Holbeinstraße 13-15, 53175, Bonn, Tel.: +49 391 6724512, Email: nadine.strien@dzne.de

**Strohschein**, Susan, Institute of Cellular Neurosciences, University of Bonn, Sigmund-Freud-Str. 25, 53105, Bonn, Tel.: +49 228 28711821, Email: Susan.Strohschein@ukb.uni-bonn.de

**Strotmann**, Jörg, Physiology, University of Hohenheim, Garbenstraße 30, 70593, Stuttgart, Tel.: +49 711 45923137, Email: joerg.strotmann@uni-hohenheim.de

**Stumpner**, Prof. Dr. Andreas, Abt. Zelluläre Neurobiologie, Georg-August-Universität Göttingen, Johann-Friedrich-Blumenbach-Institut für Zoo, Berliner Str. 28, 37073, Göttingen, Tel.: +49 551 395574, Email: astumpn@gwdg.de

**Stüttgen**, Dr. Maik Christopher, Biopsychology, University Bochum, GAFO 05/620, 44780, Bochum, Tel.: +49 234 3224323, Email: maik.stuetgen@rub.de

**Sun**, Hui, Department of Neurology, Medical School Hannover, Carl-Neuberg-Str. 1, 30615, Hannover, Tel.: +49 511 5323737, Email: Sun.Hui@mh-hannover.de

**Sungur**, Ayşe Özge, Institute of Physiology, Otto-von-Guericke University, Leipziger Str. 44, 39120, Magdeburg, Tel.: +49 391 6717979, Email: ayse.sungur@st.ovgu.de

**Suriya-Arunroj**, Lalitta, German Primate Center, Sensorimotor Group, Cognitive Neuroscience Lab, Kellnerweg 4, 37077, Göttingen, Tel.: +49 551 3851360, Email: lsuriya-arunroj@dpz.eu

**Sutor**, Dr. Bernd, Department of Physiological Genomics, LMU München, Institute of Physiology, Schillerstraße 46, 80336, München, Tel.: +49 89 218075234, Email: bernd.sutor@lrz.uni-muenchen.de

**Suttkus**, Anne, Paul Flechsig Institute for Brain Research, Universität Leipzig, Jahnallee 59, 04109, Leipzig, Tel.: +49 341 9725755, Email: anne.suttkus@medizin.uni-leipzig.de

**Sygynecka**, PhD Katja, Rudolf Boehm Institute of Pharmacology and Toxicology, University of Leipzig, Translational Centre for Regenerative Medicine Leipzig, University of Leipzig, Härtelstr. 16-18, 04107, Leipzig, Tel.: +49 341 9724606, Email: katja.sygynecka@trm.uni-leipzig.de

**Sylantsev**, PhD Sergiy, DCEE, Institute of Neurology, University College London, Queen Square, WC1N 3BG, London, United Kingdom, Tel.: +44 77 07499955, Email: s.sylantsev@ion.ucl.ac.uk

**Synowitz**, Dr. med., Michael, Department of Neurosurgery, Charité - Universitätsmedizin Berlin, Augustenburger Platz 1, 13353, Berlin, Tel.: +49 30 450560294, Email: Michael.Synowitz@charite.de

**Szabó**, Dr. Andrea, Department of Public Health, University of Szeged, Dóm tér 10., 06720, Szeged, Hungary, Tel.: +36 62 545119, Email: szaboa@puhe.szote.u-szeged.hu

**Szyszka**, Paul, Department of Biology - Neurobiology, University of Konstanz, Universitätsstr. 10, 78457, Konstanz, Tel.: +49 7531 882115, Email: paul.szyszka@uni-konstanz.de

## T

**† Hart, M. Sc.**, Bernard Marius, Neurophysics, Philipps-University Marburg, Karl-von-Frisch-Straße 8a, 35032, Marburg, Tel.: +49 6421 2826631, Email: thart@staff.uni-marburg.de

**Taghizadeh, Bahareh**, Sensorimotor Group, German Primate Center, Kellnerweg 4, 37077, Göttingen, Tel.: +49 551 3851360, Email: btaghizadeh@dpz.eu

**Takagaki, PhD Kentaroh**, Forschergruppe Neuroprothesen, Leibniz-Institut für Neurobiologie, Magdeburg, Brenneckestr. 6, 39118, Magdeburg, Tel.: +49 391 6263325, Email: kentaroh.takagaki@ifn-magdeburg.de

**Tammer, Dr. Roland**, Biomedizinische NMR Forschungs-GmbH, Max-Planck-Gesellschaft, Am Fassberg 11, 37070, Göttingen, Tel.: +49 551 2011722, Email: rtammer@gwdg.de

**Tanimoto, PhD Hiromu**, NWG Tanimoto, MPI of Neurobiology, Am Klopferspitz 18, 82152, Martinsried, Tel.: +49 89 85783492, Email: hiromut@neuro.mpg.de

**Taschenberger, Dr. Holger**, Dept. of Membrane Biophysics, Max Planck Institute for Biophysical Chemistry, Am Fassberg 11, 37077, Göttingen, Tel.: +49 551 2011668, Email: Holger.Taschenberger@mpi-bpc.mpg.de

**Tchumatchenko, Tatjana**, Theoretical Neurophysics, Bernstein Center Göttingen, MPI Dynamics and Self-Organization, Bunsenstr. 10, 37073, Göttingen, Tel.: +49 551 5176550, Email: tatjana@nld.ds.mpg.de

**ten Bruggencate, Prof. Dr. Gerrit**, Physiologisches Institut, Universität München, Pettenkoferstr. 12, 80336, München, Tel.: +49 30 6677 4244, Email: ten.bruggencate@lrz.uni-muenchen.de

**Tesler, Dipl. Psych. Noemi Agneta**, University/Children's Hospital Zürich, Sleep Research, Brandschenkestr. 160, 8002, Zürich, Switzerland, Tel.: +41 076 3961499, Email: noemi.tesler@kispi.uzh.ch

**Tetzlaff, Christian, III.** Physics - Computational Neuroscience, University of Göttingen, Friedrich-Hund-Platz 1, 37077, Göttingen, Tel.: +49 551 3910762, Email: tetzlaff@physik3.gwdg.de

**Tetzlaff, Dr. Tom**, Dept. of Mathematical Sciences and Technology, Norwegian University of Life Sciences, PO Box 5003, 01432, Aas, Norway, Tel.: +47 4804 3481, Email: tom.tetzlaff@umb.no

**Thal, Prof. Dr. Dietmar Rudolf**, Laboratory of Neuropathology, University of Ulm, Helmholzstraße 8/1, 89081, Ulm, Tel.: +49 8221 962163, Email: Dietmar.Thal@uni-ulm.de

**Thau, Nadine**, Department of Neurology, Medical School Hannover, Carl-Neuberg-Str.1, 30615, Hannover, Tel.: +49 511 5323737, Email: Thau.Nadine@mh-hannover.de

**Theis, Dr. Martin**, Institut für Zelluläre Neurowissenschaften, Universität Bonn, Sigmund-Freud-Str. 25, 53105, Bonn, Tel.: +49 228 28715969, Email: martin.theis@ukb.uni-bonn.de

**Theunissen, M. Sc.**, Leslie Michael, Department of Biological Cybernetics, Bielefeld University, Universitätsstr. 25, 33615, Bielefeld, Tel.: +49 521 1065520, Email: leslietheunissen@gmx.de

**Thimm, Andreas**, Neurophysiology, Ruhr-University Bochum, Universitätsstraße 150, 44780, Bochum, Tel.: +49 234 3222104, Email: andreas.thimm@rub.de

**Thoma, Vladimiro**s, Laboratory of Behavioral Genetics, Max-Planck-Institute of Neurobiology, Am Klopferspitz 18, 82152, Martinsried, Tel.: +49 89 85783492, Email: thoma@neuro.mpg.de

**Thomas, Silke**, Institute for Neurobiology, University of Münster, Badestr. 9, 48149, Münster, Tel.: +49 251 8321114, Email: silke.thomas@uni-muenster.de

**Thran, PhD Julia**, Institute of Zoology III, Johannes Gutenberg-University Mainz, Colonel-Kleinmann-Weg 2, 55099, Mainz, Tel.: +49 6131 3922197, Email: thranj@uni-mainz.de

**Tiesinga, Prof. Dr. Paul**, Neuroinformatics, Radboud university Nijmegen, Heyendaalseweg 135, 6525 AJ, Nijmegen, Netherlands, Tel.: +31 24 3652232, Email: p.tiesinga@science.ru.nl



**Tikidzi-Khamburyan**, Alexandra, Center for Integrative Neuroscience, Tübingen University, Paul-Ehrlich-str. 15, 72076, Tübingen, Tel.: +49 7071 2989188, Email: alex-z-nn@rambler.ru

**Tinnes**, Dr. Stefanie, Experimental Epilepsy Group, Dept. of Neurosurgery, University of Freiburg, Breisacher Straße 64, 79106, Freiburg, Tel.: +49 761 2705290, Email: stefanie.tinnes@uniklinik-freiburg.de

**Tippmann**, Anja, Neuroanatomy, Anatomy and Cell Biology, Hansastr. 9a, 79104, Freiburg, Tel.: +49 761 2039567, Email: anja.tippmann@anat.uni-freiburg.de

**Toele**, Jonas, Molekulare Genetik, Deutsches Institut für Ernährungsforschung Potsdam-Rehbrücke, Arthur-Scheunert-Allee 114-116, 14558, Nuthetal, Tel.: +49 33200 88683, Email: jonas.toele@dife.de

**Toetter**, PhD Bastian, Neurocure - AG Neuhaus, Charité, Charitéplatz 1, 10117, Berlin, Tel.: +49 30 450539769, Email: Bastian.Toetter@charite.de

**Tolnai**, PhD Sandra, Department of Physiology, Anatomy, and Genetics, University of Oxford, Parks Road, OX1 3PT, Oxford, United Kingdom, Tel.: +44 1865 282484, Email: sandra.tolnai@dpag.ox.ac.uk

**Tolosa**, PhD Amparo, Institute of Anatomy and Cell Biology. Department of Molecular Embryology, Albert-Ludwigs-University Freiburg, Albertstraße 17, 79104, Freiburg, Tel.: +49 761 2035108, Email: amparo.tolosa@anat.uni-freiburg.de

**Tönges**, Dr. Lars, Dept. of Neurology, AG Lingor, University Medicine Göttingen, Waldweg 33, 37073, Göttingen, Tel.: +49 551 394749, Email: ltoenge@gwdg.de

**Töpfer**, Manuel, Department of Pharmacology, Toxicology, and Pharmacy, AG Löscher, University of Veterinary Medicine, Bünteweg 17, 30559, Hannover, Tel.: +49 511 9538404, Email: Manuel.Toepfer@tiho-hannover.de

**Tozakidou**, Dr. Magdalini, Department of Diagnostic and Interventional Neuroradiology, University Hospital Basle, Petersgraben 4, 04031, Basel, Switzerland, Tel.: +41 61 2652525, Email: mtozakidou@uhbs.ch

**Traschütz**, Andreas, Brain Research Institute, University of Bremen, P.O. Box 33 04 40, 28334, Bremen, Tel.: +49 421 2189756, Email: traschuetz@brain.uni-bremen.de

**Trattner**, Barbara, Department of Neurobiology, Ludwig-Maximilians University, Großhaderner Straße 2, 82152, Martinsried, Tel.: +49 89 218074365, Email: Trattner@bio.lmu.de

**Trattinig**, Christa Maria Erika, Research Unit Experimental Neurotraumatology, Medical University Graz, Auenbruggerplatz 33a, 08036, Graz, Austria, Tel.: +43 316 38572900, Email: christa.trattinig@hotmail.com

**Trengove**, Dr. Chris, Brain and Neural Systems Team, RIKEN, 2-1 Hirosawa, 351-0198, Wako, Saitama, Japan, Tel.: +81 48 4679644, Email: ctrengove@brain.riken.jp

**Truee**, Prof. Dr. Stefan, Cognitive Neuroscience Laboratory, German Primate Center, Kellnerweg 4, 37077, Göttingen, Tel.: +49 551 3851117, Email: truee@gwdg.de

**Trevino Villegas**, PhD Mario, Molecular Neurobiology, Max Planck Institute, Jahnstrasse 29, 69120, Heidelberg, Tel.: +49 6221 486652, Email: Mario.Trevino@mpimf-heidelberg.mpg.de

**Trinks**, Sabine, Molecular Neurobiology, Natural and Medical Institute at the University of Tübingen, Markwiesenstr.55, 72770, Reutlingen, Tel.: +49 7121 5153082, Email: sabine.trinks@nmi.de

**Tuoc**, Dr. Tran Cong, Research group: Molecular Developmental Neurobiology, Max-Planck-Institute for biophysical Chemistry, Am Fassberg 11, 37077, Göttingen, Tel.: +49 551 2011469, Email: tcong@gwdg.de

**Tuoc**, Dr. Tran Cong, Research group: Molecular Developmental Neurobiology, Max-Planck-Institute for biophysical Chemistry, Am Fassberg 11, 37077, Göttingen, Tel.: +49 551 2011469, Email: tcong@gwdg.de

**Turimella**, Sada Lakshmi, University of Bonn, Institute of Cellular Neurosciences, Sigmund-Freud-Straße 25, 53105, Bonn, Tel.: +49 228 28714570, Email: Sada.Turimella@ukb.uni-bonn.de

**Tylkowski**, Marco, molecular developmental neurobiology, MPI bpc, Am Fassberg 11, 37077, Göttingen, Tel.: +49 551 2011469, Email: mtylkow@gwdg.de



**Tziridis**, Dr. Konstantin, Experimental Otolaryngology, University of Erlangen-Nürnberg, Waldstraße 1, 91054, Erlangen, Tel.: +49 9131 8543853, Email: konstantin.tziridis@uk-erlangen.de

## U

**Ulbrich**, Maximilian H, Centre for Biological Signalling Studies (BIOSS), Albert-Ludwigs-Universität Freiburg, Habsburgerstr. 49, 79104, Freiburg, Tel.: +49 761 20397183, Email: max.ulbrich@bio.uni-freiburg.de

**Urta**, Francisco, Institute of Anatomy and Cell Biology, Universität Heidelberg, Im Neuenheimer Feld 307, 69120, Heidelberg, Tel.: +49 176 37010571, Email: urra@ana.uni-heidelberg.de

## V

**Vahle-Hinz**, Dr. Christiane, Dept. Neurophysiology and Pathophysiology, University Medical Center Hamburg-Eppendorf, Martinistr. 52, 20246, Hamburg, Tel.: +49 40 741054789, Email: vahle-hinz@uke.de

**van Dam**, Dr. Anne-Marie, Department of Anatomy and Neurosciences, VU University Medical Center, Van der Boerhorststraat 7, 1081 BT, Amsterdam, Netherlands, Tel.: +31 20 4448095, Email: amw.vandam@vumc.nl

**van de Sand**, Missanga Flôr, Department of Neurobiology, University of Konstanz, Universitätstraße 10, 78457, Konstanz, Tel.: +49 7531 884407, Email: missanga.van-de-sand@uni-konstanz.de

**van Stegen**, PhD Bernd, Neuro- und Sinnesphysiologie, Heinrich Heine Universität Düsseldorf, Universitätsstraße 1, 40225, Düsseldorf, Tel.: +49 211 8112698, Email: bernd.van-stegen@gmx.de

**van Wingerden**, M. Sc., Marijn, Institute of Experimental Psychology, Heinrich Heine University Duesseldorf, Universitätsstr. 1, 40225, Düsseldorf, Tel.: +49 211 8112271, Email: marijnvvanwingerden@gmail.com

**Vangoor**, Vamshidhar Reddy, University of Bonn, Institute of Cellular Neurosciences, Sigmund-Freud-Straße 25, 53105, Bonn, Tel.: +49 228 28714570, Email: Vamshidhar.Vangoor@ukb.uni-bonn.de

**Vasileva**, Mariya, Medical Cell Biology; Institute for Anatomy and Cell Biology, University of Heidelberg, INF 307, 4.OG, 69120, Heidelberg, Tel.: +49 6221 548601, Email: vasileva@ana.uni-heidelberg.de

**Veenman**, PhD Jehuda Arieh Leo, Faculty of Medicine, Technion - Israel Institute of Technology, Ephron Street, P.O.B. 9649, 31096, Bat Galim, Israel, Tel.: +972 4 8295276, Email: veenmanl@tx.technion.ac.il

**Veh**, Prof. Dr. Rüdiger W., Institut für Integrative Neuroanatomie, Charité, Philippstraße 12, 10115, Berlin, Tel.: +49 30 450528062, Email: ruediger.veh@charite.de

**Velanac**, Dr. Viktorija, Neurogenetics, Max-Planck-Institute of Experimental Medicine, Hermann-Rein-Str. 3, 37075, Göttingen, Tel.: +49 551 3899773, Email: Velanac@em.mpg.de

**Venkataramani**, Vivek, Division of Molecular Psychiatry, University of Göttingen, Von-Siebold-Straße 5, 37073, Göttingen, Tel.: +49 551 3912905, Email: ramani@med.uni-goettingen.de

**Verhaal**, Dr. Josine, Zoologie, Technische Universität München, Liesel-Beckmann-Straße 4, 85350, Freising-Weißenstephan, Tel.: +49 8161 712812, Email: josine.verhaal@wzw.tum.de

**Vezzali**, Riccardo, Department of Neuroanatomy, Centre for Anatomy, University Medical Center Göttingen, Kreuzberggring 40, 37075, Göttingen, Tel.: +49 551 397072, Email: riccardo.vezzali@med.uni-goettingen.de

**Victor**, Marion Barbara, Institute for Neuroanatomy, RWTH Aachen University, Faculty of Medicine, Wendlingweg 2, 52074, Aachen, Tel.: +49 241 8089104, Email: mvictor@ukaachen.de

**Vierk**, Dr. Ricardo, University Medical Center Hamburg-Eppendorf, Institut of Anatomy I: Cellular Neurobiology, Martinistraße 52, 20246, Hamburg, Tel.: +49 176 61162605, Email: r.vierk@uke.uni-hamburg.de



**Vinnakota**, Katyayni, Cellular Neurosciences, AG Kettenmann, Max Delbrueck Centre for Molecular Medicine, Campus Buch, Robert-Rössle-Str.10, 13125, Berlin, Tel.: +49 30 94063503, Email: katyayni.vinnakota@mdc-berlin.de

**Vlachos**, Dr. Andreas, Institute of Clinical Neuroanatomy, Goethe-University Frankfurt, Heinrich Hoffmann Str. 7, 60528, Frankfurt/Main, Tel.: +49 69 630183412, Email: a.vlachos@med.uni-frankfurt.de

**Vogel**, Dr. Tanja, Neuroanatomy, Georg-August-University, Kreuzberg-ring36, 37075, Göttingen, Tel.: +49 551 397082, Email: tvogel1@gwdg.de

**Vogelaar**, PhD Christina Francisca, Department of Neurology, Molecular Neurobiology Laboratory, Moorenstraße 5, 40225, Düsseldorf, Tel.: +49 211 8118985, Email: cvogelaar@uni-duesseldorf.de

**Vogelgesang**, Steffen, Dept. of Neuro- and Sensory Physiology, University of Göttingen, Humboldtallee 23, 37073, Göttingen, Tel.: +49 551 394961, Email: svogelg@gwdg.de

**Vogt**, Dr. Miriam Annika, AG Psychiatrische Tiermodelle, Zentralinstitut für seelische Gesundheit, J5, 68159, Mannheim, Tel.: +49 621 17032933, Email: miriam.vogt@zi-mannheim.de

**Vogt**, Katrin, NWG Tanimoto, Behavioral Genetics, Max Planck Institute of Neurobiology, Am Klopferspitz 18, 82152, Martinsried, Tel.: +49 89 85783492, Email: kvogt@neuro.mpg.de

**Voigt**, Anja, Molecular Genetics, German Institute of Human Nutrition (Dife) Potsdam-Rehbrücke, Arthur-Scheunert-Allee 114-116, 14558, Nuthetal, Tel.: +49 33200 88664, Email: anja.voigt@dife.de

**Volgushev**, Maxim, Psychology, University of Connecticut, 406 Babbidge Road, 06269-2050, Storrs, CT, USA, Tel.: +1 860 4866825, Email: maxim@neurop.rub.de

**Volkandt**, Prof. Dr. Walter, Neurochemistry, JW Goethe-University, Max-von-Laue-Str. 9, 60438, Frankfurt/Main, Tel.: +49 69 79829603, Email: volkandt@bio.uni-frankfurt.de

**Vollenweider**, M. Sc., Isabel, Department of Neurology, Laboratory for Experimental Neurorehabilitation, Zürich University, August-Forel Strasse 7, 08008, Zürich, Switzerland, Tel.: +41 76 5787671, Email: isabel.vollenweider@student.ethz.ch

**Vollmayr**, Andreas N., Physik Department, T35, Technische Universität München, James-Frank-Str., 85748, Garching, Tel.: +49 89 28912369, Email: avollmayr@ph.tum.de

**von Bohlen und Halbach**, Prof. Dr. Oliver, Institute of Anatomy and Cell Biology, University of Greifswald, Friedrich-Loeffler-Str. 23c, 17487, Greifswald, Tel.: +49 3834 865313, Email: oliver.vonbohlen@uni-greifswald.de

**von Einem**, Bjoern, Neurology, Ulm University, Helmholtzstraße 8/1, 89081, Ulm, Tel.: +49 731 50063117, Email: bjoern.von-einem@uni-ulm.de

**von Heimendahl**, Dr. Moritz, Bernstein Center for Computational Neuroscience, Humboldt University of Berlin, Philippstr. 13, Haus 6, 10115, Berlin, Tel.: +49 30 20936727, Email: moritz.vonheimendahl@bccn-berlin.de

**von Holst**, Dr. Alexander, Anatomy and Cell Biology, University Heidelberg, INF 306, 69120, Heidebelberg, Tel.: +49 6221 548679, Email: holst@ana.uni-heidelberg.de

**von Twickel**, Arndt, Dept. Neurocybernetics, Institute of Cognitive Science, University of Osnabrück, Albrechtstraße 28, 49069, Osnabrück, Tel.: +49 541 9693364, Email: arndt.von.twickel@uni-osnabrueck.de

**von Uckermann**, Dr. Géraldine, CNRS UMR 5227, Laboratoire Mouvement-Adaptation-Cognition, Université de Bordeaux, 146, rue Léo Saignat, 33076, Bordeaux, France, Tel.: +33 5 57579527, Email: geraldine.vonuckermann@u-bordeaux2.fr

**Voolstra**, Dr. Olaf, Biosensorics, University of Hohenheim, Garbenstraße 30, 70599, Stuttgart, Tel.: +49 711 45923063, Email: voolstra@uni-hohenheim.de

**Voronezhskaya**, Dr. Elena E., comparative physiology, Institute of Developmental Biology Russian Academy of Sciences, Vavilov str, 26, 119334, Moscow, Russia, Tel.: +7 905 7175786, Email: lena\_vor@mail.ru

**Voss**, Dr. Cornelia, AK Neurobiologie und Biosensorik, Institut für Zellbiologie und Neurowissenschaften, Siesmayerstraße 70A, 60323, Frankfurt/Main, Tel.: +49 69 79824704, Email: hagemann@bio.uni-frankfurt.de

## W

**Wachtler**, Dr. Thomas, Department Biologie II, Ludwig-Maximilians-Universität München, Großhaderner Str. 2, 82152, Martinsried, Tel.: +49 89 218074810, Email: wachtler@bio.lmu.de

**Wagner**, Franziska, Institut für Integrative Neuroanatomie, Charité, Philippstraße 12, 10115, Berlin, Tel.: +49 30 450528349, Email: franziska.wagner@charite.de

**Wahane**, Shalaka Dhanraj, Institute for Anatomy and Cell Biology, Department of Molecular Embryology, Albert-Ludwigs University, Freiburg, Albertstraße 17, 79104, Freiburg, Tel.: +49 551 397072, Email: shal.ziot@gmail.com

**Wahle**, Dr. Petra, Entwicklungsneurobiologie, Ruhr-Universität Bochum, Universitätsstraße 150, 44780, Bochum, Tel.: +49 234 3224367, Email: petra.wahle@rub.de

**Waiblinger**, Christian, Werner Reichardt Centre for Integrative Neuroscience, Systems Neurophysiology Group, Otfried-Müller-Str. 27, 72076, Tübingen, Tel.: +49 7071 2980437, Email: christian.waiblinger@uni-tuebingen.de

**Wakakuwa**, Dr. Motohiro, Laboratory of Neuroethology, Sokendai (The Graduate University for Advanced Studies), Shonan Village, Hayama, 240-0193, Kanagawa, Japan, Tel.: +81 46 8581560, Email: arikawa@soken.ac.jp

**Walker**, Florian, Computational Neuroscience, Department Biology II, Ludwig-Maximilians-Universität München, Großhaderner Str. 2, 82152, Martinsried, Tel.: +49 89 12015204, Email: florian.walker@biologie.uni-muenchen.de

**Walkowiak**, Prof. Dr. Wolfgang, Biowissenschaftliches Zentrum, Universität zu Köln, Zulpicher Str. 47b, 90674, Köln, Tel.: +49 221 4703119, Email: w.walkowiak@uni-koeln.de

**Walter**, Sabrina, Neuroanatomy, University of Heidelberg, Im Neuenheimer Feld 307, 69120, Heidelberg, Tel.: +49 6221 548304, Email: sabinawalter@gmx.net

**Walther**, Dr. med., Birgit, KJPP/Neuropädiatrie, Fachklinik Schleswig, Friedrich-Ebert-Str. 5, 24837, Schleswig, Tel.: +49 4336 993179, Email: b.walther@t-online.de

**Walz**, Henriette, Department Biologie II, Ludwig-Maximilians-Universität München, Großhaderner Str. 2, 82152, Martinsried, Tel.: +49 89 218074807, Email: walz@bio.lmu.de

**Wang**, Han, Behavioral and Neuronal plasticity, Leibniz Institute for Neurobiology, Brenneckestraße 6, 39118, Magdeburg, Tel.: +49 391 6755031, Email: han.wang@ovgu.de

**Wang**, Dr. Zuoxin, Psychology/Neuroscience, Florida State University, 1107 West Call Street, FL 32306, Tallahassee, USA, Tel.: +1 850 6445057, Email: zwang@psy.fsu.edu

**Wang**, M. Sc., Xiaolong, Department of Molecular Embryology, Institute of Anatomy and Cell Biology, Albertstr. 17, 79104, Freiburg, Tel.: +49 761 2035098, Email: xiaolong.wang@anat.uni-freiburg.de

**Wanger**, Tim, Auditory Learning and Speech, Leibniz Institute for Neurobiology, Brenneckestr. 6, 39118, Magdeburg, Tel.: +49 391 6263326, Email: tim.wanger@ifn-magdeburg.de

**Wasmer**, Benjamin, Department of Behavioral Neurobiology, Max Planck Institute for Ornithology, Eberhard-Gwinner-Straße, 82319, Seewiesen, Tel.: +49 8157 932289, Email: wasmer@orn.mpg.de

**Weber**, Maren, Neurogenetics Group, University of Oldenburg, Carl-von-Ossietzky-Str. 9-11, 26129, Oldenburg, Tel.: +49 441 7982937, Email: mweber1984@gmx.de



**Wegener**, Dr. Christian, FB Biologie, Tierphysiologie-Neurobiologie, Philipps-Universität Marburg, Karl-von-Frisch-Straße 8, 35032, Marburg, Tel.: +49 6421 2823411, Email: wegener@staff.uni-marburg.de

**Wei**, Hongying, Biology, Neurobiology, Universität Kassel, Heinrich-Plett-Straße 40, 34132, Kassel, Tel.: +49 561 8044726, Email: weihongying@web.de

**Wei**, Tao, Centre for Integrative Neuroscience (CIN) / Institute for Ophthalmic Research, University of Tübingen, Röntgenweg 11, 72076, Tübingen, Tel.: +49 7071 2980741, Email: tao.wei@klinikum.uni-tuebingen.de

**Weichert**, Anna, Institute for Pathobiochemistry, Johannes Gutenberg University, Duesbergweg 6, 55099, Mainz, Tel.: +49 6131 3926805, Email: a.weichert@uni-mainz.de

**Weigel**, Dr. Stefan, Zoology, Technische Universität München, Liesel-Beckmann-Straße 4, 85350, Freising-Weihenstephan, Tel.: +49 8161 712807, Email: stefan.weigel@wzw.tum.de

**Weiler**, Dr. Elke, Neurophysiologie, Ruhr-Universität-Bochum, Universitätsstr. 150 MA3-50, 44801, Bochum, Tel.: +49 234 3224914, Email: weiler@neurop.rub.de

**Weishaupt**, Dr. Jochen, Neurology Department, University of Göttingen, Robert-Koch-Str. 40, 37073, Göttingen, Tel.: +49 177 4146790, Email: jweisha@gwdg.de

**Weiss**, Dr. Jan, Department of Physiology, University of Saarland School of Medicine, Kirrberger Straße, Bldg. 45.2, 66421, Homburg, Tel.: +49 6841 1626579, Email: jan.weiss@uks.eu

**Weiß**, Dr. Torsten, Centrum für Anatomie, Institut für Integrative Neuroanatomie, Charité - Universitätsmedizin Berlin, Philippstr. 12, 10115, Berlin, Tel.: +49 30 450528878, Email: torsten.weiss@charite.de

**Weissinger**, Dr. med., Florian, Neurologie, Charité - Universitätsmedizin Berlin, Charitéplatz 1, 10117, Berlin, Tel.: +49 30 450528230, Email: florian.weissinger@charite.de

**Weller**, Johannes, Institute of Cellular Neurosciences, University of Bonn, Sigmund Freud Str. 25, 53105, Bonn, Tel.: +49 228 28711821, Email: Johannes.Weller@ukb.uni-bonn.de

**Wellmann**, Dr. Carmen Ramona, Institut für Zoologie/Abt. Tierphysiologie, Universität zu Köln, Zulpicher Straße 47b, 50674, Köln, Tel.: +49 221 4708068, Email: carmen@neurobiologie.de

**Wellner**, Benjamin, Neurobiology, German Primate Center, Kellnerweg 4, 37077, Göttingen, Tel.: +49 176 62277664, Email: benjamin.dann@googlemail.com

**Wells**, PhD David G., Molecular, Cellular & Developmental Biology, Yale University, 260 Whitney Ave, 06520, New Haven, USA, Tel.: +1 203 4323481, Email: david.wells@yale.edu

**Wenzler**, Nadine, Behavioral Physiology and Sociobiology, University of Würzburg, Am Hubland, 97074, Würzburg, Tel.: +49 931 3180828, Email: nadine.wenzler@stud-mail.uni-wuerzburg.de

**Werckenthin**, Achim, Abteilung Tierphysiologie, FB 10 Mathematik und Naturwissenschaften, Universität Kassel, Heinrich-Plett-Str. 40, 34132, Kassel, Tel.: +49 561 8044727, Email: werckenthin@uni-kassel.de

**Werner**, Dr. Sandra, Molecular Embryology, Institute of Anatomy and Cellbiology, Albertstr. 17, 79104, Freiburg, Tel.: +49 761 2035108, Email: sandra.werner@anat.uni-freiburg.de

**Werner**, Christian, Department of Neurology, Universitaetsklinikum, Josef-Schneider-Straße 11, 97080, Würzburg, Tel.: +49 931 20123548, Email: christian.b.werner@googlemail.com

**Werth**, Florian, Physiologische Genomik, LMU München, Pettenkoferstraße 12, 80336, München, Tel.: +49 89 218075211, Email: florian.werthat@lrz.uni-muenchen.de

**Wertz**, Dr. Adrian, Department of Systems and Computational Neurobiology, Max Planck Institute of Neurobiology, Am Klopferspitz 18, 82152, Martinsried, Tel.: +49 89 85783258, Email: wertz@neuro.mpg.de

**Westendorff**, Stephanie, Sensorimotor Group, German Primate Center, Kellnerweg 4, 37077, Göttingen, Tel.: +49 551 3851342, Email: swesten@gwdg.de

**Wetzel**, Dr. Christian, Zellphysiologie, Ruhr-Universität Bochum, Universitätsstr. 155, 44801, Bochum, Tel.: +49 234 3224597, Email: christian.wetzel@rub.de

**Wetzel**, Andrea, Institute for Clinical Neurobiology, University of Würzburg, Versbacherstr. 5, 97078, Würzburg, Tel.: +49 931 20144008, Email: Wetzel\_A@klinik.uni-wuerzburg.de

**Weyhersmüller**, Dr. Annika, Carl-Ludwig-Institut für Physiologie, Universität Leipzig, Liebigstr. 27, 04103, Leipzig, Tel.: +49 341 9715522, Email: annika.weyhersmueller@medizin.uni-leipzig.de

**Wicklein**, Dr. Martina, Department of Bioengineering, Imperial College London, South Kensington Campus, SW7 2AZ, London, United Kingdom, Tel.: +44 20 83453608, Email: m.wicklein@imperial.ac.uk

**Widmayer**, Dr. Patricia, Institute of Physiology 230a, University of Hohenheim, August-von-Hartmann Straße 3, 70599, Stuttgart, Tel.: +49 711 45924374, Email: widmayer@uni-hohenheim.de

**Wiegrebe**, Dr. Lutz, Division of Neurobiology, Dept. Biologie II, Ludwig-Maximilians-Universität München, Großhaderner Str. 2, 82152, Martinsried, Tel.: +49 89 218074314, Email: lutzw@lmu.de

**Wiek**, Robert Jago, Department for Cellular Neurobiology, University Göttingen, Hermann-Rein-Straße 3, 37075, Göttingen, Tel.: +49 551 3899409, Email: rwiek@gmx.net

**Wiescholleck**, Valentina, Department of Neurophysiology, Ruhr University Bochum, Universitätsstraße 150, 44780, Bochum, Tel.: +49 234 3227961, Email: valentina.kopp@rub.de

**Wieser**, PhD Matthias J., Department of Psychology, University of Würzburg, Marcusstr. 9-11, 97070, Würzburg, Tel.: +49 931 3181987, Email: wieser@psychologie.uni-wuerzburg.de

**Wieser**, Georg, Dept. Neurogenetics, Max-Planck-Institute of Experimental Medicine, Hermann-Rein-Str. 3, 37075, Göttingen, Tel.: +49 176 62646104, Email: wieser@em.mpg.de

**Wilkars**, Wiebke, Institut für Anatomie I, Universitätsklinikum Hamburg-Eppendorf, Martinistraße 52, 20246, Hamburg, Tel.: +49 40 741052579, Email: w.wilkars@uke.uni-hamburg.de

**Wilke**, Robert, Immunology, Leibniz-Institute for Age Research - Fritz-Lipmann-Institute (FLI), Beutenbergstr. 11, 07745, Jena, Tel.: +49 3641 656022, Email: rwilke@fli-leibniz.de

**Wilms**, Dr. Christian D, Wolfson Institute for Biomedical Research, University College London, Gower Street, WC1E 6BT, London, United Kingdom, Tel.: +44 20 76796937, Email: c.wilms@ucl.ac.uk

**Winkelmann**, M. Sc., Andrea, Department of Biological Cybernetics, Bielefeld University, Universitätsstraße 25, 33615, Bielefeld, Tel.: +49 521 1065520, Email: andrea.winkelmann@uni-bielefeld.de

**Winkler**, Prof. Dr. Juergen, Division of Molecular Neurology, University Hospital Erlangen, Schwabachanlage 6, 91054, Erlangen, Tel.: +49 9131 8539324, Email: juergen.winkler@uk-erlangen.de

**Winner**, Dr. Beate, Nachwuchsgruppe III, Nikolaus-Fiebiger-Zentrum für Molekulare Medizin, Glücksstr. 6, 91054, Erlangen, Tel.: +49 9131 8539301, Email: beate.winner@med.uni-erlangen.de

**Winnubst**, M. Sc., Johan, Synapse and Network Development, Netherlands Institute for Neuroscience, Meibergdreef 47, 1105 BA, Amsterdam, Netherlands, Tel.: +31 20 5665079, Email: J.Winnubst@nin.knaw.nl

**Wirth**, Dr. Marcus J., Department of Zoology and Animal Physiology, RWTH Aachen University, Mies-van-der-Rohe-Straße 15, 52056, Aachen, Tel.: +49 241 8027773, Email: wirth@bio2.rwth-aachen.de

**Wirths**, Dr. Oliver, Dept. of Psychiatry, Molecular Psychiatry, University of Göttingen, von-Siebold-Str. 5, 37075, Göttingen, Tel.: +49 551 3910290, Email: owirths@gwdg.de

**Wirtsohn**, Sarah, INCM, CNRS, 31 chemin Joseph Aiguier, 13402 CX 20, Marseille, France, Tel.: +331 491 164329, Email: wirtsohn@incm.cnrs-mrs.fr

**Wirxel**, Barbara, Department of Cognitive Neurology; Group: Computational Sensomotorics, Hertie Institute for Clinical Brain Research, Fronsdbergstraße 23, 72070, Tübingen, Tel.: +49 7071 2989136, Email: Barbara\_Wirxel@gmx.de



**Witting**, Dr. Anke, Experimental Neurology, Ulm University, Helmholtzstraße 8/1, 89081, Ulm, Tel.: +49 731 50063113, Email: anke.witting@uni-ulm.de

**Wittlinger**, Dr. Matthias, Institut für Neurobiologie, Universität Ulm, Albert-Einstein-Allee 11, 89069, Ulm, Tel.: +49 731 5022643, Email: matthias.wittlinger@uni-ulm.de

**Wittnam**, Jessica, Department of Molecular Psychiatry, University of Göttingen, Von Siebold Strasse 5, 37075, Göttingen, Tel.: +49 551 396934, Email: jessica.wittnam@med.uni-goettingen.de

**Wobst**, PhD Hilke, Biochemistry, Institute of Animal Sciences, Katzenburgweg 9a, 53115, Bonn, Tel.: +49 228 733812, Email: h.wobst@uni-bonn.de

**Wöhr**, Dr. Markus, Experimental and Physiological Psychology, Philipps-University of Marburg, Gutenbergstraße 18, 35032, Marburg, Tel.: +49 6421 2823612, Email: markus.woehr@staff.uni-marburg.de

**Wolber**, Wanja, Department of Neurosurgery, University of Würzburg, Josef-Schneider-Str. 11, 97080, Würzburg, Tel.: +49 931 20124574, Email: wanja.wolber@stud-mail.uni-wuerzburg.de

**Wolburg**, Prof. Dr. Hartwig, Institute of Pathology, University of Tübingen, Liebermeisterstraße 8, 72076, Tübingen, Tel.: +49 7071 2986890, Email: hartwig.wolburg@med.uni-tuebingen.de

**Woldeit**, Marie L., Dept. Neuroprothesen, Leibniz-Institut für Neurobiologie, Brennekestr. 6, 39118, Magdeburg, Tel.: +49 391 6263322, Email: mwoldeit@ifn-magdeburg.de

**Wolf**, Prof. Dr. Harald, Institute for Neurobiology, University of Ulm, Albert-Einstein-Allee 11, 89069, Ulm, Tel.: +49 731 5022630, Email: harald.wolf@uni-ulm.de

**Wolf**, Heike, Institut für Pathobiochemie, Johannes-Gutenberg-Universität Mainz, Duesbergweg 6, 55099, Mainz, Tel.: +49 6131 3926805, Email: hewolf@uni-mainz.de

**Wolfrum**, Dr. Uwe, Cell and Matrix Biology, Institute of Zoology, Johannes Gutenberg University of Mainz, Müllerweg 6, 55099, Mainz, Tel.: +49 6131 3925148, Email: wolfrum@uni-mainz.de

**Wörgötter**, Prof., Florentin, Inst. Physics 3 - Biophysics, Computational Neuroscience, University Göttingen, Friedrich-Hund-Platz 1, 37077, Göttingen, Tel.: +49 551 3910760, Email: worgott@bccn-goettingen.de

**Wosnitza**, Anne, AG Büschges, University of Köln, Zülpicher Straße 47 b, 50674, Köln, Tel.: +49 221 4708051, Email: anne.wosnitza@uni-koeln.de

**Wotjak**, Dr. Carsten T., AG, Max-Planck-Institut für Psychiatrie, Kraepelinstr. 2, 80804, München, Tel.: +49 89 30622652, Email: wotjak@mpipsykl.mpg.de

**Wu**, Dr. Wei, Institute for Theoretical Biology, Humboldt University of Berlin, Invalidenstr. 43, 10115, Berlin, Tel.: +49 30 20938630, Email: wei.wu@biologie.hu-berlin.de

**Wulff**, Dr. Peer, School of Medical Sciences, University of Aberdeen, Foresterhill, AB25 2ZD, Aberdeen, United Kingdom, Tel.: +44 1224 559149, Email: p.wulff@abdn.ac.uk

**Wunder**, Dr. Andreas, Dep. of Experimental Neurology, Center for Stroke Research Berlin (CSB), Charité - University Medicine Berlin, Charitéplatz 1, 10117, Berlin, Tel.: +49 30 450560329, Email: andreas.wunder@charite.de

## X

**Xiao**, Le, LSYM, Brain Mind Institute-SV-EPFL, station 19, 01024, Lausanne, Switzerland, Tel.: +41 21 6931624, Email: le.xiao@epfl.ch

**Xie**, M. Sc., Lan, Department of Zoology and Developmental Neurobiology, Institute of Biology, Leipziger Str. 44, 39120, Magdeburg, Tel.: +49 391 6755031, Email: xie.lan@ovgu.de

## Y

**Yan, Kuo**, Prof. Victor Tarabykin, Max-Planck-Institute of Experimental Medicine, Hermann-Rein-Str. 3, 37075, Goettingen, Tel.: +49 176 24685940, Email: yan@em.mpg.de

**Yanai**, Prof. Dr. Joseph, Medical Neurobiology, Hebrew University Medical School, Institute for Medical Research, Israel-Canada, 12272, 91120, Jerusalem, Israel, Tel.: +972 54 8820638, Email: yanai@md.huji.ac.il

**Yao, Tao**, Cognitive Neuroscience, German Primate Center, Kellnerweg 4, 37077, Göttingen, Tel.: +49 551 3851117, Email: taoyao@dpz.eu

**Yassin**, PhD Lina, Dept. Biol. II, Div. of Neurobiology, Ludwig-Maximilians-Universität, Großhaderner Str.2-4, 82152, Martinsried, Tel.: +49 89 218074337, Email: yassin@bio.lmu.de

**Yasuyama**, PhD Kouji, Kawasaki Medical School, Natural Science, 577 Matsushima, 701-0192 Kurashiki, Japan, Tel.: +81 86462 1111, Email: yasuyama@med.kawasaki-m.ac.jp

**Yee, Nicole**, Clinical Neurobiology, German Primate Center, Kellnerweg 4, 37077, Göttingen, Tel.: +49 551 3851135, Email: nyee@cni-dpz.de

**Yuan, Chun-Wei**, Division of Neurobiology, Department of Biology II, Ludwigs-Maximilians-Universität, Großhaderner Str. 2, 82152, Martinsried, Tel.: +49 89 218074825, Email: yuan@bio.lmu.de

## Z

**Zaepf, Bianca**, Dept. of Zoology III - Neurobiology, Johannes Gutenberg-University, Col.-Kleinmann-Weg 2, 55099, Mainz, Tel.: +49 6131 392726, Email: zaepf@uni-mainz.de

**Zagrebelsky**, PhD Marta, Cellular Neurobiology, TU Braunschweig, Spielmannstraße 7, 38106, Braunschweig, Tel.: +49 531 3913225, Email: m.zagrebelsky@tu-bs.de

**Zarubin**, Dmitry, Computational Neurophysiology, Institute for Theoretical Biology, Humboldt-Universität zu Berlin, Invalidenstraße 43, 10115, Berlin, Tel.: +49 30 20938652, Email: dmitry.zarubin@bccn-berlin.de

**Zeck**, Dr. Günther, Neurochip, Natural and Medical Sciences Institute at the University of Tübingen, Markwiesenstraße 55, 72770, Reutlingen, Tel.: +49 7121 515300, Email: guenther.zeck@nmi.de

**Zeghib**, Dr. Abdelhafid, Auditory, Learning and Speech, Leibniz Institute for Neurobiology, Brennekestraße 6, 39118, Magdeburg, Tel.: +49 391 6263329, Email: azeghib@ifn-magdeburg.de

**Zeh**, PhD Ramona Maria, Institute of experimental genetics/German Mouse Clinic, Helmholtz-Zentrum München, Ingolstädter Landstr.1, 85764, München, Tel.: +49 89 31873870, Email: ramona.zeh@helmholtz-muenchen.de

**Zehl**, Lyuba, Köln Biocenter (Zoological Institute, Group Walkowiak), University of Köln, Zulpicher Str. 47b, 50674, Köln, Tel.: +49 221 4703101, Email: zehll@uni-koeln.de

**Zerr**, Prof. Dr. Inga, Universitätsklinik Göttingen, Robert-Koch-Str. 40, 37075, Göttingen, Tel.: 0551/39-0, Email: ingazerr@med.uni-goettingen.de

**Zhang**, Xiaomin, Dr. Dragun, Interdisziplinäres Zentrum fuer Neurowissenschaften (IZN), Im Neuenheimer Feld 326, 69120, Heidelberg, Tel.: +49 6221 544568, Email: ricexmzhang@gmail.com

**Zhou**, Xiaolai, Molecular Embryology of Freiburg University, Institute of Anatomy and Cell Biology, Albertstraße 17, 79104, Freiburg, Tel.: +49 761 5098, Email: xiaolai.zhou@anat.uni-freiburg.de

**Zhuchkova**, Dr. Ekaterina A., Institute for Theoretical Biology, Humboldt University of Berlin, Invalidenstraße 43, 10115, Berlin, Tel.: +49 30 20938652, Email: ekaterina.zhuchkova@hu-berlin.de

**Ziegler-Himmelreich**, Sophie, Institut of Cell- and Neurobiology, Goethe University Frankfurt, Siesmayer 70, 60322, Frankfurt/Main, Tel.: +49 6171 21278, Email: himmelreich@bio.uni-frankfurt.de



**Ziehm**, Ulrike, Neuroinformatics & Theoretical Neuroscience, Freie Universität Berlin, Königin-Luise-Str. 1-3, 14195, Berlin, Tel.: +49 30 20938777, Email: [ulrike.ziehm@bccn-berlin.de](mailto:ulrike.ziehm@bccn-berlin.de)

**Zielke**, Sven, Lehrstuhl für Zellphysiologie, Ruhr-Universität Bochum, Universitätsstraße 150, 44780, Bochum, Tel.: +49 234 3228841, Email: [sven.zielke@rub.de](mailto:sven.zielke@rub.de)

**Zimmermann**, Anika-Maria, Neurobiology/Neurophysiology group, University of Kaiserslautern, Erwin-Schrödinger-Str. 13, 67663, Kaiserslautern, Tel.: +49 631 2053257, Email: [a.zimmermann@biologie.uni-kl.de](mailto:a.zimmermann@biologie.uni-kl.de)

**Zimmermann**, Dr. Herbert, Institute of Cell Biology and Neuroscience, Goethe-University Frankfurt, Max-von-Laue-Str. 9, 60438, Frankfurt/Main, Tel.: +49 69 79829692, Email: [h.zimmermann@bio.uni-frankfurt.de](mailto:h.zimmermann@bio.uni-frankfurt.de)

**Zimmermann**, Dr. Astrid Angela, Cellular Neuroscience, Cell Gate, Prinzenbergweg 3, 64367, Mühlthal, Tel.: +49 6151 537480, Email: [neurosci@gmx.de](mailto:neurosci@gmx.de)

**Zitanski**, Nele, Walther-Straub-Institut für Pharmakologie und Toxikologie, Ludwig-Maximilians-Universität München, Goethestr. 33, 80336, München, Tel.: +49 89 218075748, Email: [nele.zitanski@lrz.uni-muenchen.de](mailto:nele.zitanski@lrz.uni-muenchen.de)

**Zohar**, Mihael, Neurobiology and Biophysics, Faculty of Biology, University of Freiburg, Schänzlestraße 1, 79104, Freiburg, Tel.: +49 761 2032865, Email: [mihael.zohar@biologie.uni-freiburg.de](mailto:mihael.zohar@biologie.uni-freiburg.de)

**zu Waldeck**, Dr. Clemens, Dept. of Neurophysiologie, Inst. Physiologie & Pathophysiologie, INF 326, 69120, Heidelberg, Tel.: +49 6221 544074, Email: [c.waldeck@physiologie.uni-heidelberg.de](mailto:c.waldeck@physiologie.uni-heidelberg.de)

**Zuccotti**, Annalisa, Molecular Physiology of Hearing, Haering Research Center Tübingen, Elfriede-Aulhorn-Straße, 5, 72076, Tübingen, Tel.: +49 7071 2988242, Email: [annalisazuccotti@gmail.com](mailto:annalisazuccotti@gmail.com)

**Zufall**, Prof. Dr. Frank, Physiology, University of Saarland School of Medicine, Kirrbergerstr., 66421, Homburg, Tel.: +49 6841 1626450, Email: [frank.zufall@uks.eu](mailto:frank.zufall@uks.eu)

**Zweckstetter**, Prof. Dr. Markus, Department for NMR-based Structural Biology, Max Planck Institute for Biophysical Chemistry, Am Fassberg 11, 37077, Göttingen, Tel.: +49 551 2012220, Email: [mzwecks@gwdg.de](mailto:mzwecks@gwdg.de)











**Print:** Druckerei Blankenburg, 16321 Bernau,  
info@druckerei-blankenburg.de  
**Conception and Layout:** Stefanie Korthals/Meino Gibson  
**Cover:** Eta Friedrich, 10827 Berlin, mail@et-a.de  
**Advertisement:** Bernd Beutel, 69469 Weinheim,  
susanne.beutel@top-ad-online.de  
**Published by** Neurowissenschaftliche Gesellschaft e.V.  
2011





# Program at a glance

Wednesday	Thursday	Friday	Saturday	Sunday
Time	Registration	Registration	Registration	Registration
8:00 - 9:00				
9:00 - 10:00	Symposia I S1 - S6	Symposia II S7 - S12	Symposia III S13 - S18	Symposia IV S19 - S24
10:00 - 11:00				
11:00 - 12:00				
12:00 - 13:00			Assembly NWG	Sakiko Shiga
13:00 - 14:00	Posters A odd numbers Posters A even numbers	Posters B odd numbers Posters B even numbers	Posters C odd numbers Posters C even numbers	
14:00 - 15:00	Opening Ceremony André Fischer	Shahaf Peleg Jan Klohs	Berthold Hedwig	
15:00 - 16:00				
16:00 - 17:00	Posters A odd numbers Posters A even numbers	Posters B odd numbers Posters B even numbers	Posters C odd numbers Posters C even numbers	
17:00 - 18:00				
18:00 - 19:00	Florian Holsboer	Buffet	Buffet	
19:00 - 20:00	Buffet	Joshua Sanes	Jan Born	
20:00 - 21:00	John Maunsell			
21:00				

*Sophisticated Life Science Research Instrumentation*



# IntelliCage

by NewBehavior

Cognition Analysis  
in Social Groups

- Programmable Conditioning Corners
- Multiple Behavioral Paradigms
- Phenotyping Standardized
- High Animal Welfare

Visit us at  
Booth #41



IntelliCage – Accelerating Science

[www.TSE-Systems.com](http://www.TSE-Systems.com)

Sophisticated Life Science Research Instrumentation

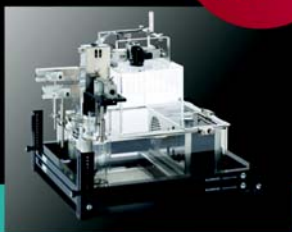


# PhenoMaster

Behavioral/Metabolic  
Analysis Automated

- Modular Hard- and Software
- High Throughput
- **NEW:** IR Camera
- **NEW:** Wheel Running Reward

Visit us at  
Booth #41



PhenoMaster – Connecting Ideas

[www.TSE-Systems.com](http://www.TSE-Systems.com)