

# Call for Abstracts

## 10th Göttingen Meeting of the German Neuroscience Society

March 13–16, 2013

### Plenary Lectures

▶ Thomas Gasser (*Tübingen, Germany*)  
Genetic Architecture of Parkinson's Disease  
(Zülch Lecture)

▶ Christian Haass (*Munich, Germany*)  
The Molecular Clockwork of Alzheimer's  
Disease  
(Otto Creutzfeldt Lecture)

▶ Jason Kerr (*Tübingen, Germany*)  
Imaging Activity in the Freely Moving Animal:  
What Are They Looking at?  
(Roger Eckert Lecture)

▶ Eve Marder (*Waltham, USA*)  
Variability, Compensation, Modulation, and  
Homeostasis in a Rhythmic Neuronal Network  
(Ernst Florey Lecture)

▶ Miguel Nicolelis (*Durham, USA*)  
Beyond Cortical Columns and Maps:  
Tool incorporation and Multimodal Processing  
by Cortical Ensembles  
(Hertie Lecture)

▶ Erin M. Schuman (*Frankfurt/M., Germany*)  
Local Protein Synthesis in Neurons  
(Norbert Elsner Lecture)

▶ Haim Sompolinsky (*Jerusalem, Israel*)  
Computational Principles for Cortical Circuits  
(Opening Lecture)

### Symposia

▶ Cortical connectivity of crossmodal  
interactions

▶ Cytoskeletal dynamics in neuronal  
migration

▶ Differential brain science: towards an under-  
standing of interindividual variation

▶ Functional organization of presynaptic neuro-  
transmitter release sites

▶ Functional specializations of neuroglia as critical  
determinants of brain activity

▶ GABAergic mechanisms in neurobiology of disease

▶ Growing up in the brain: how do axons find  
their way?

▶ Heterogeneity of microglia

▶ Insect motor control – from ion channels to learning,  
movement and robotics

▶ Local synaptic coding in the retina

▶ Molecular mechanisms and spreading of alpha-  
synuclein pathology in the brain

▶ Molecular mobility, a variable of neuronal  
communication

▶ Mouse models in hearing research: unraveling  
auditory processing from molecules to behavior

▶ Neurochemical control of social behaviour in insects

▶ Non-invasive brain stimulation:  
mechanisms, effects and opportunities

▶ Olfactory learning: from insects to machines

▶ Optodynamics of channels and receptors

▶ Practically profiting from the complexity of massively  
parallel electrophysiological data

▶ Purinergic signaling in sensory systems

▶ Serotonin: from brain development to behavior –  
new insights from animal models.

▶ The cholinergic system and visual attention:  
from animal to man

▶ The computational role of the hippocampus

▶ The paradox of the critical period – rejuvenating  
cortical networks

▶ Timescales in neuronal population encoding and  
their biophysical basis

[www.nwg-goettingen.de/2013](http://www.nwg-goettingen.de/2013)



NEUROWISSENSCHAFTLICHE  
GESELLSCHAFT

**Deadline: October 15, 2012**

#### Registration, Abstract Submission, and Exhibition

The deadline for submission of poster  
abstracts and early registration is  
October 15, 2012. For information  
on abstract submission and registration  
please visit the meeting's website:  
<http://www.nwg-goettingen.de/2013>

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#### Stipends

The German Neuroscience Society provides  
stipends for young qualified investigators.  
**The deadline for application is October 15, 2012.**

Applications must be submitted via the website  
of the German Neuroscience Society including

- ▶ a short CV
- ▶ a copy of the abstract
- ▶ a list of publications
- ▶ a letter of recommendation from a senior scientist