

# Symposium

## Neuroscience in Frankfurt

Friday, 26th September 2008  
Saturday, 27th September 2008

Hörsaal 1, Haus 22, Universitätsklinikum, Theodor-Stern-Kai 7, 60590 Frankfurt

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**13:30 Welcome/Opening note**

Prof. Herbert Zimmermann  
Managing Director

**13:45 – 14:45 Pain and inflammation**

Prof. Ingo Bechmann  
*Neuroimmunology*

Challenging the last dogma of immune ignorance in the brain: Evidence for intraneural dendritic cells

Prof. Irmgard Tegeder  
*Clinical Pharmacology*  
Tetrahydrobiopterin and Pain

**14:45 – 15:45 Neuroinformatics**

Prof. Jochen Triesch  
*FIAS*

How do different forms of neuronal plasticity interact?

Jun.Prof. Gaby Schneider  
*Institute for Mathematics*

Tracing cellular and coding mechanisms with a simple stochastic oscillator

**15:45 Posters and Coffee**

**17:15 - 18:45 Sensory Physiology and Plasticity**

Jun.Prof. Alexander Gottschalk  
*Institute of Biochemistry*

Gaining control over neural activity: Illuminating lessons from the *Caenorhabditis elegans* nervous system

Dr. Hartwig Spors  
*MPI for Biophysics*

*In vivo* imaging and electrophysiology of population dynamics in sensory cortices

Prof. Manfred Kössl  
*Institute for Cell Biology and Neuroscience*  
Time computation in the auditory system

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**9:00 – 10:30 Neural plasticity**

Prof. Amparo Acker-Palmer  
*Cluster of Excellence Macromolecular Complexes*  
Regulation of AMPA receptor trafficking by ephrinB ligands

Prof. Thomas Deller  
*Clinical Neuroanatomy*  
Reshaping the injured nervous system - dendritic reorganisation of dentategranule cells following denervation

Prof. Ulf Ziemann  
*Department of Neurology*  
Modulation of plasticity and learning in human motor cortex

**10:30 Posters and Coffee**

**11:00 - 12:30 Dopaminergic Neurodegeneration**

Prof. Rüdiger Hilker  
*Department for Neurology*  
Imaging of dopaminergic neurodegeneration in vivo

Prof. Georg Auburger  
*Molecular Neurogenetics*  
Aberrant striatal synaptic plasticity in the transgenic A53T-SNCA mouse as a Parkinson model

Prof. Jochen Roeper  
*Neurophysiology*  
Burst Mechanisms of Dopaminergic Midbrain Neurons