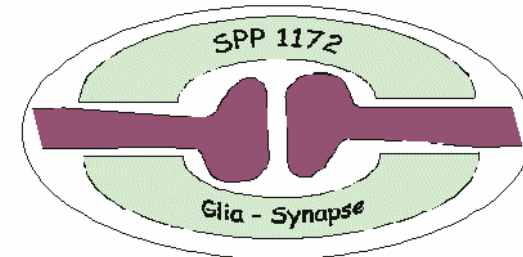


SEPTEMBER 18 - 20, 2008



**The role of neuroglia  
for the formation, function and  
plasticity of synapses**

***5<sup>th</sup> Meeting of the  
DFG-Priority Programme 1172 (SPP 1172)***

**Humboldt-Universität am Hegelplatz,  
Dorotheenstr. 24, 10099 Berlin**

**THURSDAY, 18. SEPTEMBER 2008**

- 14:00 GATHERING AT MEETING SITE
- 14:15 WELCOME ADDRESS  
CHAIR: E. GUNDELFINGER, MAGDEBURG
- 14:30 *Herbert Zimmermann, Frankfurt*  
**Neurogenesis in the adult mammalian brain: A role for nucleotide signalling**
- 15:00 *Frank Pfrieder, Strasbourg*  
**Synapse-Astrocyte Interactions: New Transgenic Mouse Models**
- 15:30 *Martin Theis, Bonn*  
**Translational control of glial key players in neuron-glia interactions**
- 16:00 COFFEE BREAK  
CHAIR: R. KLEIN, MÜNCHEN
- 16:30 *Daniela Dieterich, Magdeburg*  
**Are astrocytes as dynamic as neurons? – Comparative proteomic profiling of astroglia-neuron co-cultures during neurotrophin-induced synaptogenesis and synaptic plasticity**
- 17:00 *Johannes Hirrlinger, Leipzig*  
**At the crossroads of metabolism and signalling: Analysing the NAD<sup>+</sup>/NADH-redox state *in vitro* and *in vivo***
- 17:30 *Ralf Dringen, Bremen*  
**Antioxidative potential of astrocytes**
- 19:00 DINNERPARTY AT THE „VIRCHOW-RUINE”

**FRIDAY, 19. SEPTEMBER 2008**

- CHAIR: C. ROSE, DÜSSELDORF
- 09:00 *Robert Nitsch, Berlin*  
**A glial/T-cell network to promote axon outgrowth after CNS lesion**
- 09:30 *Christian Lohr, Münster*  
**Activation of GABA transport triggers calcium-induced calcium release in olfactory bulb astrocytes**
- 10:00 *Volker Eulenburg, Frankfurt*  
**Function of glial GlyT1 in modulating neurotransmission**
- 10:30 COFFEE BREAK  
CHAIR: A. REICHENBACH, LEIPZIG
- 11:00 *Jean-Pierre Mothet, Bordeaux*  
**Vesicular storage and exocytosis of the gliotransmitter D-serine**

- 11:30 *Andreas Bringmann, Leipzig*  
**Gliotransmitters in the retina - autocrine and neuronal effects**
- 12:00 *Sergei Kirischuk, Berlin*  
**Extracellular GABA-Glutamate balance in the developing cortex**
- 12:30 – 14:00 LUNCH BREAK
- 14:15 – 16:30 POSTER SESSION INCLUDING COFFEE AND TEA  
CHAIR: J. TROTTER-KYEWSKI, MAINZ
- 16:30 *Oliver Griesbeck, Martinsried*  
**Engineering calcium biosensors for chronic *in vivo* imaging**
- 17:00 *Mark Nelson, Burlington, USA*  
**Levels of astrocytic endfoot calcium increases determine the vasoreactive output**
- 17:30 *Giorgio Carmignoto, Padova*  
**Role of astrocytes in blood flow responses to epileptic discharges**
- 18:15 BUSINESS MEETING OF THE MEMBERS OF THE DFG-PRIORITY PROGRAMME 1172

**SATURDAY, 20. SEPTEMBER 2008**

- CHAIR: F. KIRCHHOFF, GÖTTINGEN
- 09:00 *Christian Giaume, Paris*  
**Role of astrocytic connexins in neuroglial interaction**
- 09:30 *Christian Steinhäuser, Bonn*  
**Gap junctional coupling of radial glia-like cells is required for neurogenesis in the adult dentate gyrus**
- 10:00 *Ole Petter Ottersen, Oslo*  
**Physiological and pathophysiological roles of aquaporin water channels in brain**
- 10:30 COFFEE BREAK  
CHAIR: J.W. DEITMER, KAISERSLAUTERN
- 11:00 *Gertrudis Perea, Madrid*  
**Synaptic transmission modulation by hippocampal astrocytes**
- 11:30 *Swen Hülsmann, Göttingen*  
**Analysis of calcium signalling of astrocytes in the respiratory network**
- 12:00 **General discussion and conclusion**
- 12:30 END OF THE SYMPOSIUM AND DEPARTURE

