

**THURSDAY, SEPTEMBER 22, 2005**

14:00 **Welcome address**

**Glia and synaptogenesis**

**Chair:** J. Trotter, A. Faissner

14:30 *Magdalena Götz, Neuherberg bei München, Germany*

**Adult neurogenesis - neuronal subtype specification and synaptogenesis**

15:05 *Michael Frotscher, Freiburg, Germany*

**Laminating the dentate gyrus: Role of radial glia and Reelin**

15:40 *Joachim Lübke, Jülich, Germany*

**Morphology of excitatory synapses: from structure to function**

16:15 *Coffee break*

16:45 *Michael V. Sofroniew, Los Angeles, CA, USA*

**Characteristics and functions of neurogenic glia in adult forebrain**

17:20 *Constanze I. Seidenbecher, Leipzig, Germany*

**Glia-derived extracellular matrix components assemble into perisynaptic Perineuronal Nets**

17:55 *Frank W. Pfrieger, Stasbourg, France*

**Astrocytes and synaptogenesis: new data, new models**

19:30 *Dinner at the "Seehotel Gelterswoog"*

**FRIDAY, SEPTEMBER 23, 2005**

**ATP-mediated signalling**

**Chair:** C. Steinhäuser

09:00 *Herbert Zimmermann, Frankfurt, Germany*

**Ecto-nucleotidases and their potential interplay with purinoceptors**

09:35 *Kazuhide Inoue, Fukuoka, Japan*

**ATP receptors in pain sensation**

10:10 *Peter Illes, Leipzig, Germany*

**Neuron-glia cross-talk by ATP in the cerebral cortex**

10:45 *Coffee break*

**Glial-neuronal signalling**

**Chair:** M. Schachner

11:15 *Mitsuhiro Morita, Tokyo, Japan*

**Regulation of astrocyte Gq- and Gi-coupled metabotropic glutamate receptor functions by brain environmental factors**

11:50 *Stéphane Oliet, Bordeaux, France*

**Contribution of astrocytes to synaptic transmission in the hypothalamus**

12:45 *Lunch at the "Sommerhaus"*

14:00 **Discussion at posters and coffee break**

15:30 *Helmut Kettenmann, Berlin, Germany*

**Astrocyte communication in the cortex and Calyx of Held**

16:05 *Alfonso Araque, Madrid, Spain*

**Synaptic information processing by astrocytes**

**Glia-and neurotransmitter transporter**

**Chair:** F. Kirchhoff

16:40 *Dimitri M. Kullmann, London, UK*

**Role of glial glutamate transporters in synapse independence**

17:15 *Hanns Ulrich Zeilhofer, Erlangen, Germany*

**Glycinergic neurotransmission and the spinal control of pain**

17:50 *Volker Eulenburg, Frankfurt, Germany*

**Genetic approaches toward the understanding of glycine transporter functions**

18:30 **Business meeting of the members of the Priority Programme**

**SATURDAY, SEPTEMBER 24, 2005**

**Transmitter release from glial cells and neurons**

**Chair:** S. Hülsmann,  
A. Reichenbach

09:00 *Peter Jonas, Freiburg, Germany*

**Action potential-exocytosis coupling in hippocampal mossy fiber terminals**

09:35 *J. Rettig, Homburg, Germany*

**Molecular Mechanisms of LDCV exocytosis**

10:10 *Paola Bezzi, Lausanne, Switzerland*

**Imaging glutamate exocytosis with TIRF microscopy**

10:45 *Coffee break*

11:15 *Etienne Audinat, Paris, France*

**Transient and tonic modulation of neuronal activity by gliotransmitters**

11:50 *Giorgio Carmignoto, Padova, Italy*

**Pathophysiological roles of astrocyte-mediated neuronal synchrony in the hippocampus**

12:25 *Bruce Ransom, Seattle, Washington, USA*

**Hemichannel-mediated glutamate release from astrocytes**

13:00 **General Discussion and Conclusion**

13:30 **End of symposium and departure**