

Meeting

Schwerpunktprogramm 1172 „Die Bedeutung der Neuroglia für Bildung, Funktion und Plastizität von Synapsen“

2./3. Oktober 2009
MPIH Frankfurt/Main

Freitag, 2. Oktober 2009

- 13:30 - 14:30 **Keynote-Lecture**
Klaus Nave: "Glial support of axonal function and survival"
- 14:30 - 14:55 **AG Deitmer**
"Purinergic signaling in the cerebellar cortex: a pathway for Bergmann glial influence on synaptic activity?" (Mark Pottek)
- 14:55 - 15:20 **AG Kirchhoff**
"Functional deletion of AMPA receptors in Bergmann glia" (Aiman Saab)
- 15:20 - 15:45 **AG Kettenmann**
"Astrocyte - neuron interaction in the mouse barrel cortex"
- 15:45 - 16:05 **Coffee break I**
- 16:05 - 16:30 **AG Faissner**
"Contributions of extracellular matrix to perineuronal net (PNN) formation, synaptogenesis and synaptic plasticity"
- 16:30 - 16:55 **AG Gundelfinger/Seidenbecher**
"Role of glia-derived extracellular matrix in synaptic function and plasticity" (Constanze Seidenbecher)
- 16:55 - 17:20 **AG Reichenbach/Bringmann**
"Müller cells and retinal synapses" (Petra Hirrlinger)
- 17:20 - 17:40 **Coffee break II**
- 17:40 - 18:05 **AG Dieterich**
"BONCAT and GINCAT- Or how to tag newly synthesized proteins with a click" (Anke Müller)
- 18:05 - 18:30 **AG Hirrlinger**
"The NAD⁺/NADH redox state in astrocytes: on the way from in vitro to in vivo analysis" (Franziska Wilhelm)

18:30 - 18:55 **AG Klein**
"Neuron-glia communication via EphA4/ephrinA3 modulates glial glutamate transporter level and synaptic plasticity" (Sonia Paixao, Alessandro Filosa)

ca. 19:30 **Dinner**

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Samstag, 3. Oktober 2009

9:00 - 9.25 **AG Götz**
"Reprogramming adult glia to a neuronal phenotype" (Rodrigo Sanchez)

9:25 - 9:50 **AG Hülsmann**
"Rhythmic astrocytes in the respiratory network: electrophysiology and Ca²⁺ imaging" (Christian Schnell)

9:50 - 10.15 **AG Trotter**
"NG2-neuron synapses in the CNS" (Khalad Karram)

10:15 - 10:40 **AG Seifert/Steinhäuser**
"Ca²⁺ signalling of NG2 glial cells" (Christian Haberlandt)

10:40 - 11:00 **Coffee break**

11:00 - 11:25 **AG Theis**
"Expression and function of Cytoplasmic Polyadenylation Element Binding Proteins in astroglia" (Sada Turimella)

11:25 - 11:50 **AG Rose**
"Synaptically-induced sodium signals in hippocampal astrocytes *in situ*" (Julia Langer)

11:50 - 12:15 **AG Kirischuk/Grantyn**
"Glutamate-transporter-mediated currents in striatal astrocytes" (Anton Dvorzhak)
"Interaction between GABA and glutamate transporters in cortical astrocytes" (Petr Unichenko)

12:15 - 12:40 **AG Eulenburg**
"Discrimination of glial and neuronal GlyT1 functions by genetic approaches" (Marina Retiounskaia, Deepti Lall)

12:40 - 13:05 **General stuff**

Lunch