



MAX-PLANCK-GESELLSCHAFT

# MPG-CNRS II Meeting in Neurosciences



*Charité (Hörsaal 13) and MPI für  
Infektionsbiologie*

**Berlin, September 28, 2010 (Preliminary Program)**

08:45 Welcome and Introduction  
Klaus-Armin Nave (Göttingen) and Martin Giurfa (Toulouse)

## **Session 1 Synapses**

09:00 Naegerl, Valentin (Bordeaux)  
Superresolution imaging of actin dynamics inside synapses

09:25 Stein, Valentin (Martinsried)  
SynCam regulates the number of synapses

09:50 Mulle, Christophe (Bordeaux)  
Activity-dependent plasticity of NMDA receptors

10:15 Köhr, Georg (Heidelberg)  
A novel AMPA receptor signaling pathway critical for LTD

10:40 Jost, Jürgen (Leipzig)  
The effects of noise on the dynamics of Hodgkin-Huxley neurons

11:05 Coffee

## **Session 2 Circuits**

11:30 Devaud, Jean-Marc (Toulouse)  
Structural changes associated with long-term memory in an insect brain

11:55 Tchenio, Paul (Paris)  
Memory dynamics and brain imaging in *Drosophila*

12:20 Ilona Kadow (Martinsried)  
CO<sub>2</sub> sensation: Development and function of an olfactory circuit in *Drosophila*

12:45 Gervais, Remi (Lyon)  
The olfactory brain: From neuron to behavior

13:15 Walk to *MPI für Infektionsbiologie* (new Building) , **Lunch**

### **Session 3    Development and Repair**

- 14:15**        Ehrenreich, Hannelore (Göttingen)  
Recombinant human erythropoietin: novel approaches to neuroprotection and neuroregeneration
- 14:40**        Massad, Charbel (Paris)  
Implication of Wnt pathway and GSK3beta inhibitors in myelination and remyelination
- 15:05**        Rohrer, Hermann (Frankfurt)  
PNS progenitors can be reprogrammed to produce myelinating oligodendrocytes and repair brain lesions
- 15:30**        Refojo, Damian (München)  
Nedding Neddylation: A new post-translation modification with critical functions in neuronal development
- 16:00        Coffee

### **Session 4    Neural Systems**

- 16:30**        Spors, Hartwig (Frankfurt)  
Testing information processing in the mouse olfactory system using in vivo optogenetics
- 16:55**        Kerr, Jason (Tuebingen)  
As nature intended: Imaging activity in neuronal populations in the freely moving animal
- 17:20**        Barone, Pascal (Toulouse)  
Crossmodal Plasticity in Deafness and Cochlear Implant
- 17:45**        Aubin, Thierry (Paris-Sud, Orsay)  
Multicoding systems in animal communication: experimental studies with bird and mammal model
- 18:10**        Fregnac, Yves (Paris)  
Simpleness in V1 receptive fields, a mirror of visual input complexity?

Followed by Wine & Cheese (with discussion of CNRS/MPG issues)

- 20:00**        **Dinner**  
Restaurant Traube (Reinhardtstrasse 33)

