

Friday, 6th March 2009

14:00 Welcome note

Werner Müller-Esterl
President of Goethe-University

14:15 Introductory remarks

Thomas Deller
Clinical Neuroanatomy, Frankfurt

14:30 – 16:00

Imaging regeneration and reorganization

Frank Kirchhoff
MPI for Experimental Medicine, Göttingen
Long-term analysis of spinal cord injuries by two-photon imaging

Thomas Misgeld
Technical University, Munich
In vivo imaging of axon degeneration and regeneration

Christian Müller
Clinical Neuroanatomy, Frankfurt
2-photon microscopical visualization of lesion-induced changes in hippocampal organotypic cultures

16:00 – 16:30

Posters and coffee

16:30 – 18:00

Immune system and regeneration/reorganization

Bente Finsen
University of Southern Denmark, Odense, Denmark
Microglial cells as sensors and modulators on neuronal damage

Robert Nitsch
Charité, Berlin
Axon regeneration in the CNS: Help from the immune system

Ingo Bechmann
Neuroimmunology, Frankfurt
The immune biology of axonal degeneration

18:00 – 19:00

Axonal reorganization/sprouting

Domenico Del Turco
Clinical Neuroanatomy, Frankfurt
Enhancing sprouting in the injured CNS - a role for the growth associated protein CAP-23

Ritva Tikkanen
Biochemistry, Gießen
Novel Functional Aspects of Reggie/Flotillin Proteins: Regeneration or not?

19:00 – 20:00

Posters and Snacks

Saturday, 7th March 2009

09:00 – 10:00

Axonal reorganization/sprouting

James Fawcett
University of Cambridge, United Kingdom
Modification of the extracellular matrix for promotion of regeneration and plasticity

Martin Schwab
University of Zürich, Switzerland
Rewiring of sensory-motor circuits after spinal cord or brain injuries

10:00 – 10:30

Posters and Coffee

10:30 – 11:30

Axonal reorganization/sprouting

Anne McKinney
McGill University, Montreal, Canada
Synaptic sprouting in late onset posttraumatic epilepsy

Irmgard Tegeder
Clinical Pharmacology, Frankfurt
Pain and reorganization of the nervous system

11:30 – 12:30

Dendritic development, plasticity and reorganization

Amparo Acker-Palmer
Excellence-Cluster Macromolecular Complexes, Frankfurt
Molecular Eph/ephrinB pathways regulating CNS plasticity

Thomas Deller
Clinical Neuroanatomy, Frankfurt
Dendritic remodeling after axonal denervation

12:30 – 13:30

Lunch buffet and posters

13:30 – 14:30

Axonal regeneration (olfactory and visual system)

Mathias Bähr
Neurology, Göttingen
Protective and regenerative strategies after optic nerve lesions

Peter Mombaerts
MPI for Biophysics, Frankfurt
Olfaction Targeted

14:30 – 14:45

Coffee break

14:45 – 15:45

Neurogenesis

Mirko Schmidt
Edinger-Institute, Frankfurt
Brain-derived EGFL7 drives neuronal differentiation of neural stem cells

Stefan Momma
Edinger-Institute, Frankfurt
Reaction of endogenous stem/progenitor cells to injury in the adult human brain

15:45 Concluding remarks

16:00 Departure