PROGRAM

Friday, 13 September 2013
Lecture Hall F1, Building HG, ETH Main Building, Rämistrasse 101, Zurich

8:30 – 8:45	**Introduction**
8:45 – 9:30	Volker-Henn Lecture: **Genetic dissection of the architecture of neurologic disease** Prof. John Hardy, Institute of Neurology, University College London
9:30 – 10:00	Coffee Break
10:00 – 11:30	Parallel Workshops:
	Pain: from molecules to circuits (Lecture Hall E 1.1) Organization: Prof. Hanns Ulrich Zeilhofer and Prof. Markus Rudin
	Cerebrovascular imaging: from structure to function (Lecture Hall E 1.2) Organization: Prof. Bruno Weber and Prof. Marco Stampanoni
	Translational research in Multiple Sclerosis (Lecture Hall E 3) Organization: Prof. Roland Martin
11:30 – 14:00	**Poster Session**, Lunch (Foyers E-Nord, D-Nord)
11:30	**General Assembly of ZNZ Group Leaders** (Lecture Hall F1)
	Short Talks, Part I:
14:00 – 14:20	**Sleep and the disordered brain** PD Dr. Christian Baumann, Department of Neurology, University Hospital Zurich
14:20 – 14:40	**Reactivating memories during sleep: recent findings** Prof. Björn Rasch, Institute of Psychology, University of Zurich
14:40 – 15:00	**Striatum contributes to declarative memory formation in humans and mice** Prof. Nicole Wenderoth, Department HEST, ETH Zurich
15:00 – 15:20	**Ultra-high field MRI technology for brain imaging** Prof. Klaas Prüssmann, Institute for Biomedical Engineering, University of Zurich and ETH Zurich
15:20 – 16:00	Coffee Break

	Short Talks, Part II:
16:00 – 16:20	**Cognitive and social impairment in cocaine users: predisposition, neuroplasticity or neurotoxicity?** Prof. Boris Quednow, University Hospital of Psychiatry Zurich
16:20 – 16:40	**Genetics of severe unspecific intellectual disability** Prof. Anita Rauch, Institute of Medical Genetics, University of Zurich
16:40 – 16:55	**ZNZ Award for the Best PhD Thesis 2013**
	Short break
17:00 – 17:45	Memorial Award Lecture of the Koetser Foundation: **Unexpected effects of magnetic fields on the human brain** Prof. David Zee, The Johns Hopkins Hospital, Baltimore
17:45 – 18:30	Apéro

Parallel Workshops

Pain: from molecules to circuits (Lecture Hall E 1.1)

10:00 - 10:40 **New signalling pathways mediating the transition from acute to chronic pain**
Prof. Stephen Hunt, Dept. of Cellular and Developmental Biology, University College London

10:40 - 11:05 **Inhibitory interneurons in dorsal horn pain controlling circuits**
Dr. Hendrik Wildner, Institute of Pharmacology and Toxicology, University of Zurich

11:05 - 11:30 **Establishment of fMRI methods in models of pain**
Dr. Aileen Schroeter, Institute for Biomedical Engineering, University of Zurich and ETH Zurich

Cerebrovascular imaging: from structure to function (Lecture Hall E 1.2)

10:00 - 10:30 **Synchrotron-radiation based X-ray tomography of cerebrovascular networks**
Prof. Marco Stampanoni, Paul Scherrer Institute Villigen and ETH Zurich

10:30 - 11:00 **Cerebrovascular structure and hemodynamics**
Prof. Bruno Weber, Institute of Pharmacology and Toxicology, University of Zurich

11:00 - 11:30 **Quantitative measurement of cerebral blood flow using MRI: a tool for neurosciences**
Prof. Xavier Golay, Institute of Neurology, University College London

Translational research in Multiple Sclerosis (Lecture Hall E3)

10:00 - 10:25 **The Duffy antigen/receptor shuttles inflammatory chemokines across the blood-brain barrier during autoimmune CNS inflammation**
Prof. Britta Engelhardt, Theodor Kocher Institute, University of Berne

10:25 - 10:50 **Neuroimaging in MS: towards the integration of functional and molecular information**
Prof. Matilde Inglese, Mount Sinai School of Medicine, New York

10:50 - 11:03 **Phenotyping Multiple Sclerosis using OCT retinal multilayer segmentation**
Dr. Sven Schippling, Dept of Neurology, University Hospital Zurich

11:03 - 11:16 **Novel observations regarding the functional involvement of the HLA-DR15 haplotype in MS pathogenesis**
Dr. Malte Mohme, University Medical Centre Eppendorf, Hamburg

11:16 - 11:29 **Myelin antigen-specific tolerization in MS: observations from a phase I trial**
Dr. Andreas Lutterotti, University Neurology Clinic, Innsbruck