ZNZ Symposium 2011

Friday, 16 September 2011
Lecture Hall E7, Building HG, ETH Main Building, Rämistrasse 101, Zurich

8:30 – 8:45  Introduction and news from the ZNZ

8:45 – 9:30  Volker-Henn Lecture:
Neural substrates of impulsivity and compulsivity and their neuropsychiatric relevance
Prof. Trevor Robbins, Dept. of Experimental Psychology, University of Cambridge

9:30 – 10:00  Coffee Break

10:00 – 11:30  Parallel Workshops:
Clinical Neuroscience: Recent advances in translational stroke research (Room D7.1)
Organization: Prof. Andi Luft and Prof. Anton Valavanis

Neuroeconomics (Room D7.2)
Organization: Prof. Philippe Tobler

Membrane trafficking and signaling for synaptic function (Room D1.1)
Organization: Dr. Uwe Konietzko and Dr. Shiva Tyagarajan

11:30 – 14:00  Poster Session, Lunch (Foyers D-Süd, E-Süd)
11:30  General Assembly of ZNZ Group Leaders (Lecture Hall E7)

14:00 – 14:30  Multiple sclerosis as a "model" to pursue translational research in a neurological disease
Prof. Roland Martin, Dept. of Neurology, University Hospital Zurich

Short Talks, Part 1

14:30 – 14:50  Superresolution microscopy of neurons
Dr. Helge Ewers, Laboratory of Physical Chemistry, ETH Zurich

14:50 – 15:10  Home cage behavior as a readout of brain function in mice
Prof. David Wolfer, Institute of Anatomy, University of Zurich

15:10 – 15:40  Coffee Break

Short Talks, Part 2

15:40 – 16:00  How do vibrational properties of the middle ear ossicles influence our hearing?
Prof. Alexander Huber, ENT Dept., University Hospital Zurich
16:00 – 16:20  **Mouse models in depression research: from helpless to helpful**  
PD Dr. Chris Pryce, Clinic of Affective Disorders and General Psychiatry, PUK Zurich

16:20 – 16:40  **Prediction of reading acquisition and language learning in school based on event-related brain potentials**  
Prof. Urs Maurer, Department of Psychology, University of Zurich

Short break

16:45 – 17:45  **Memorial Award Lecture of the Koetser Foundation: Control of the primate hand: exploring and shaping the world**  
Prof. Roger Lemon, Institute of Neurology, University College London

17:45 – 18:30  **Apéro**
Parallel Workshops

Clinical Neuroscience: Recent advance in translational stroke research (Lecture Hall D 7.1)

10:00 - 10:30  Translational stroke therapy
               Prof. Andreas Luft, Dept. of Neurology, University Hospital Zurich

10:30 - 11:00  Innovations in emergency endovascular stroke treatment
               Prof. Anton Valavanis, Dept. of Neuroradiology, University Hospital Zurich

11:00 - 11:30  Drugs and their effects on stroke rehabilitation
               Dr. Jonas Hosp, Dept. of Neurology, University Hospital Zurich

Neuroeconomics (Lecture Hall D 7.2)

10:00 - 10:30  An overview of neuroeconomics
               Dr. Ian Krajbich, Dept. of Economics, University of Zurich

10:30 - 11:00  Ventromedial prefrontal cortex valuation networks and goal-directed choice
               Prof. Todd Hare, Dept. of Economics, University of Zurich

11:00 - 11:30  Activation anticipating decision and reflecting motivations in orbitofrontal cortex and ventral striatum
               Prof. Léon Tremblay, Centre for Cognitive Neuroscience, CNRS, Lyon
Membrane trafficking and signaling for synaptic function
(Lecture Hall D 1.1)

10:00 - 10:25 Intraneuronal transport of APP
Prof. Stefan Kins, Dept. of Biology, University of Kaiserslautern

10:25 - 10:50 Regulation of GABAA receptor membrane trafficking and synaptic stability by a novel scaffold and signalling pathway
Dr. Josef Kittler, Dept. of Neuroscience, Physiology and Pharmacology, UCL

10:50 - 11:15 RabGDI, a human mental retardation gene, is crucial for receptor trafficking during neural circuit formation
Prof. Esther Stöckli, Institute of Molecular Life Sciences, University of Zurich

11:15 - 11:30 BDNF mediates plasticity at GABAergic synapses via the SUMOylation pathway
Himanish Ghosh, PhD Student, Inst. of Pharmacology and Toxicology, University of Zurich