

# 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