



**Universität
Zürich** UZH

Brain Research Institute Symposium 2016

Date: November 3rd 2016
Location: Theatersaal, Campus Irchel

12.10 Welcome

Session chair: Sebastian Jessberger

Session 1:

- 12.20 – 12.40 Theofanis Karayannis, HiFo, UZH
“Brain circuit formation in health and disease”
- 12.40 – 13.00 Michael Weller, Clinic of Neurology USZ
“Understanding and overcoming immunosuppression in malignant brain tumors”
- 13.00 – 13.20 Magdalini Polymenidou, IMLS, UZH
“Dynamic polymerization of TDP-43 in health and disease”
- 13.20 – 13.40 Claire Jacob, Dept. of Biology, Uni Fribourg
“Regeneration by Chromatin-Remodeling Enzymes in Myelinating Glia”
- 13.40 – 13.50 Data blitz HiFo (2 PhD/postdocs HiFo; 5 min each)
Federico Brandalise (Group Gerber):
“Dendritic NMDA in spikes in the hippocampus in vivo”
Gretchen van Steenwyk (Group Mansuy)
“Can the brain communicate with gametes through blood? Relevance for epigenetic inheritance”
- 13.50 – 14.10 Coffee break

Session chair: Fritjof Helmchen

Session 2:

- 14.10 – 14.30 Csaba Földy, HiFo, UZH
“Single-cell approaches in brain circuit analysis”
- 14.30 – 14.50 Botond Roska, FMI, Basel
tba
- 14.50 – 15.10 Anita Lüthi, DNF, DNF, Uni Lausanne
“Coordinated infra-slow neural and cardiac oscillations mark fragility and offline periods in mammalian sleep”
- 15.10 – 15.30 Fatih Yanik, IBT, ETHZ
“High-throughput tools for neuroscience”
- 15.30 – 15.40 Data blitz HiFo (2 PhD/postdocs HiFo; 5 min each)
Gregor Pilz (Group Jessberger):

“Cellular principles of adult neurogenesis”
Benjamin Ineichen (Group Schwab):
“Nogo-A-antibodies as a potential novel therapy for Multiple Sclerosis”

15.40 – 16.00 *Coffee break*

Session chair: Isabelle Mansuy

Session 3:

- 16.00 – 16.20 Roger Nitsch, Institute of Regenerative Medicine, UZH
"The recombinant human monoclonal antibody aducanumab removes beta-amyloid in brains of patients with Alzheimer's disease"
- 16.20 – 16.40 Alexandre Dayer, Department of Psychiatry, Uni Geneva
“Serotonin and cortical interneuron subtype development”
- 16.40 – 17.00 Bruno Weber, Institute of Pharmacology and Toxicology, UZH
“In vivo optical imaging of brain energy metabolism”
- 17.00 – 17.20 Melanie Greter, Institute of Experimental Immunology, UZH
“Sall1 defines microglia fate and function”
- 17.20 – 17.40 Benjamin Grewe, INI, ETH
"The ups and downs of Hebbian plasticity in associative ensemble learning"
- 17.40 – 17.50 Data blitz HiFo (2 PhD/postdocs HiFo; 5 min each)
Jochen Winterer (Group Földy)
“Single-cell RNAseq analysis of electrophysiologically characterized cells in the hippocampus”
Ariel Gilad (Group Helmchen)
“Different cortical strategies during a texture discrimination task”

Starting 18.15 Apero riche at Tratscheria for HiFo group leaders and invited speakers