From Bench to Bedside Symposium  
Friday, 9th February 2024

Biozentrum, Lecture Hall Maurice E. Müller, Spitalstrasse 41, 4056 Basel

08:25 Welcome and opening: Josef Bischofberger (Department of Biomedicine, University of Basel)

Keynote Lecture 1 chaired by Josef Bischofberger (Department of Biomedicine, University of Basel)
08:30-09:15: Linda Simmler (Department of Pharmaceutical Sciences, University of Basel)  
“Threats and opportunities of synaptic plasticity in psychiatric disorders”

Session 1 “Choroid Plexus - CSF – Neuron interactions” chaired by Gray Camp (Institute of Human Biology, Basel)
09:15-09:40: Violeta Silva Vargas (Biozentrum, University of Basel)  
“The Choroid Plexus: a multifunctional player in the brain”
09:40-10:05: Steven Proulx (Theodor Kocher Institute, University of Bern)  
“The drainage of cerebrospinal fluid: new insights into lymphatic clearance pathways”
10:05-10:30: Laura Pellegrini (Centre for Developmental Neurobiology, King’s College London, England)  
“Choroid Plexus organoid models”

10:30-11:00 Coffee Break

Session 2 “Neuronal mechanisms for reward learning across model organisms” chaired by Rainer Friedrich (Friedrich Miescher Institute, Basel)
11:00-11:25 Carolin Warnecke (Friedrich Miescher Institute, Basel)  
“TBA”
11:25-11:50 Tommaso Caudullo (Friedrich Miescher Institute, Basel)  
“Novelty detection and efficient coding in the zebrafish homolog of olfactory cortex”
11:50-12:15 Julian Hinz (Friedrich Miescher Institute, Basel)  
“State- and context-dependent reward representations in the mouse amygdala”

Keynote Lecture 2 chaired by Andreas Lüthi (Friedrich Miescher Institute, Basel)
12:15-13:00 Rony Paz (Weizmann Institute, Rehovot, Israel)  
“Probing and reversing valence representations in the primate brain”

13:05-14:30 Lunch Break
13:45-14:15 NNB General Assembly (For NNB members only)
Session 3 “Neuroscience of brain tumors”
chaired by Raphael Guzman (University Hospital Basel, University of Basel)
14:30-14:55 Frank Winkler (University Hospital Heidelberg, Germany)
“Neuron-glioma synapses and tumor progression”
14:55-15:20 Stephan Frank (University Hospital Basel)
“Molecular Diagnostic of brain tumors”
15:20-15:45 Gregor Hutter (University Hospital Basel, University of Basel)
“CAR-T and new glioma therapies”

15:45-16:15 Coffee Break

Keynote Lecture 3 chaired by Peter Scheiffele (Biozentrum, University of Basel)
16:15-17:00 Azad Bonni (Neuroscience & Rare Diseases in Pharma Research & Early Development, Roche, Basel)
“Deregulation of Ubiquitin Signaling in Genetic Neurodevelopmental Disorders”