
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 **Carolyn 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)

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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”