

# From Bench to Bedside Symposium (FS77705)

Friday, 6<sup>th</sup> February 2026

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

08:30 Registration and Welcome

09:00 Opening by Josef Bischofberger (DBM, University of Basel)

**Keynote Lecture 1 chaired by Josef Bischofberger** (DBM, University of Basel)

09:05-09:50: **Marc Aurel Busche** (DBM and Demenz Diseases Felix Platter Spital, Basel)  
"TBA"

**Session 1 "Neural Inhibitory Circuits" chaired by Rainer Friedrich** (FMI, Basel)

09:50-10:15: **Florian Studer** (postdoc, T. Barkat group) (DBM, University of Basel)

"Top-down inputs are controlled by somatostatin-expressing interneurons during associative learning"

10:15-10:40: **Fiona Doetsch** (Biozentrum, University of Basel)

"Activation of neural stem cells for on-demand brain plasticity"

10:40-11:05: **Mathias Mahn** (FMI; Ambizione fellow, A. Lüthi group)

"Dynamic inhibition in amygdala circuits"

**11:05-11:35 Coffee Break**

**Session 2 "Alzheimer's Disease: Circuits, Prevention, and Cures"**  
chaired by Anne Eckert (UPK, Basel)

11:35-12:00: **Heike Annette Bischoff-Ferrari** (Aging Medicine Felix Platter Basel, Swiss Health Longevity Campus, University Basel)

"Dementia Prevention & the Swiss Campus for Healthy Longevity"

12:00-12:25: **Marc Aurel Busche** (DBM and Demenz Diseases Felix Platter Spital, Basel)

"Selective vulnerability of neuronal circuits in Alzheimer's Disease"

12:25-12:50: **Luka Kulic** (Global Head of Early Development in Neuroscience & Rare Diseases, Roche pRED, Basel)

"Amyloid-targeted therapies for Alzheimer's Disease - new frontiers"

**12:55-14:30 Lunch Break in Restaurant Bacell's Biozentrum**

**14:00-14:30 NNB General Assembly (For NNB members only)**

## Session 3 “Neural Circuits from Bench to Clinical Application” chaired by Raphael Guzman (DBM/USB)

14:30-14:55 **Botond Roska** (IOB, Basel)

*“From understanding visual circuits to optogenetic vision restoration in blind patients”*

15:00-15:25 **Indrit Bègue** (University of Geneva & University Hospitals Geneva)

*“Cerebellum-ventral tegmental connectivity as a personalized biomarker for apathy in schizophrenia”*

15:30-15:55 **Raphaël Guzman** (DBM-USB) and **Alexandre Datta** (UKBB, USB, UPK, KSA)

*“Network Instability in Pediatric Epilepsy: Principles, Plasticity, and Therapeutic Rewiring”*

## 16:00-16:30 Coffee Break

## Keynote Lecture 2 chaired by Josef Bischofberger (DBM, University of Basel)

16:35-17:15 **Cristina Granziera** (DBE, University of Basel)

*“Postmortem brain MRI and histopathology: new horizons”*

## 17:20 Closing Remarks: Josef Bischofberger (DBM, University of Basel)