

From Bench to Bedside Symposium (FS77705)

Friday, 6th 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 University Hospital of Geriatric Medicine Felix Platter, Basel)

"*Selective vulnerability of cells and circuits in Alzheimer's Disease*"

Session 1 "Inhibitory neural 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: **Nikolaus Buchmann** (University Hospital of Geriatric Medicine Felix Platter, Basel)

"*Dementia Prevention & the Swiss Campus for Healthy Longevity*"

12:00-12:25: **Marc Aurel Busche** (DBM and University Hospital of Geriatric Medicine Felix Platter, Basel)

"*Dementia at a turning point: what changes in diagnosis, treatment, and care*"

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)