

From Bench to Bedside Symposium

Friday, 14th February 2025

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

08:30 Registration

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

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

09:05-09:50: **Andreas Keller (DBM)**

"Performance predicts the substitution of feedforward by feedback drive"

Session 1 "Memory mechanisms" chaired by Peter Scheiffele (Biozentrum)

09:55-10:20: **Friedemann Zenke (FMI)** *"Learning and memory in neural network models"*

10:25-10:50: **Marlene Bartos (Albert-Ludwigs-Universität Freiburg)**

"Slow emergence and high stability of contextual representations in the hippocampus"

10:55-11:20: **Flavio Donato (Biozentrum)**

"The reinstatement of a forgotten infant mouse memory"

11:20-11:40 Coffee Break

Keynote Lecture 2 in collaboration with the Biozentrum Discovery

Seminar Series chaired by Flavio Donato (Biozentrum)

11:45-12:45 **Asya Rolls (Technion, Israel Institute of Technology, Haifa, Israel)**

"A neuroimmunological take on the mind-body problem"

12:45-14:30 Lunch Break in Restaurant Bacell's Biozentrum

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

Session 2 "Neural mechanisms of movement" chaired by Andreas

Keller (DBM, University of Basel)

14:30-15:00 **Antonio Falasconi and Harsh Kanodia (FMI and Biozentrum)**

"Dynamic Basal Ganglia output signals license and suppress forelimb movements"

15:05-15:30 **Alexander Mathis (EPFL)** *"How do mammals move?"*

15:35-16:00 **Speaker TBA**

16:10-16:40 Coffee Break

Keynote Lecture 3 chaired by Josef Bischofberger (DBM, University of Basel)

16:45-17:30 **Alexandre N. Datta (University Children's Hospital Basel)**

"Beyond seizures: The interplay between epilepsy, sleep, and cognition in childhood"

17:30 Closing Remarks: Josef Bischofberger (DBM, University of Basel)