

## The Neuroscience Lecture Series

### September 2025 - June 2026

**Description:** With the *Neuroscience lecture series* the Institute of Physiology and Center for experimental Neurology foster qualitative scientific interactions with renowned national and international guest speakers. Scientific talks present state-of-the-art research and newest discoveries in cognitive, systems and computational neuroscience as well as neuro-engineering. Lectures are typically preceded or followed by a visit of the facilities and a round-table with the students. The Neuroscience lecture series builds upon previous seminar series at the Institute of Physiology, University of Bern and at the Department of Neurology, Inselspital University Hospital Bern.

**Credits:** 2 ECTS points. For credits, students must attend at least 80 % of the lectures and pass an exam based on lectures and materials provided by the speakers. Exam include multiple choice questions provided by speakers and lecture contents, and are schedule by the end of the second semester.

**Registration for credits:** by e-mail to [administration.zen@insel.ch](mailto:administration.zen@insel.ch), please indicate full name, PhD-program and supervisor Organ

**Venue:** Lectures are typically scheduled on Fridays 12.00-13.00 at one of our venues (see below) except when specified otherwise (\*), for example in the context of a PhD defense.

- INO B 118: Lecture room of the department of Neurology, Inselspital, Freiburgstrasse 18
- Physio: Seminar room, Institute of Physiology, Bühlplatz

**Organisers/chairs:** Prof. Antoine Adamantidis, PhD; Prof. Stéphane Ciochi, PhD; PD Carolina Gutierrez Herrera, PhD; Prof. Maxime Baud, MD; e-mail to [administration.zen@insel.ch](mailto:administration.zen@insel.ch) for questions.

Date/Place	Speaker	Title	Chair
17.10.2025 Neurology, B118	<b>Prof. Robbert Havekes</b> <a href="#">Faculty of Science and Engineering,</a> University of Groningen	Restoring access to memories thought-to-be lost in the sleep-deprived brain.	Carolina Gutierrez Herrera
31.10.2025 Neurology, B118	<b>Prof. Ana Luisa Carvalho,</b> <a href="#">Center for Neuroscience and Cell Biology,</a> University of Coimbra (PT)	MicroRNA-Mediated Control of Synaptic Transmission and Neuronal Network Activity in Chronic Stress	Antoine Adamantidis
07.11.2025	SWEZ - ZEN Symposium		
14.11.2025 Physio	<b>Dr. Everton Agnes,</b> <a href="#">Biozentrum,</a> University of Basel (CH)	Excitatory inhibitory balance at the dendrite: A mechanism for context-dependent associative memory	Mihai Petrovici
21.11.2025 Physio	<b>Dr. Stephane Oliet,</b> <a href="#">Astrocytes in health and disease,</a> University of Bordeaux	Contribution astrocytes to NMDAR-dependent synaptic plasticity	Thomas Nevian
05.12.2025 11:00-12:00 Physio	<b>Prof. Chris Petkov</b> Department of Neurosurgery, University of Iowa	Laminar Circuit Motifs for Language (Precursors) and Memory	Athina Tzovara
05.12.2025 12:00-13:00 Physio	<b>Prof. Valerio Mante,</b> <a href="#">ETH Zürich</a>	Communication-through-dynamics: Inferring multi-area computations through neural variability.	Stéphane Ciochi
Christmas/Semester BREAK			

13.02.2026 Neurology, B118	<b>Prof. Gioele La Manno</b> , <a href="#">Brain Mind Institute</a> , EPFL	Revealing the Lipidomic Architecture of the Brain	Antoine Adamantidis
20.02.2026 Neurology  B118	<b>Prof. Arianna Maffei</b> <a href="#">Stony Brook University</a>	Cortical Mechanisms for Taste Preference	Carolina Gutierrez Herrera
27.02.2026 Neurology, B118	<b>Sabine Krabbe</b> , <a href="#">Functional Diversity of Neural Circuits</a> , DNZE (DE)	Functional diversity of amygdala microcircuits	Micaela Borsa
27.03.2026 B118	<b>Prof. Lukas Neukomm</b> Department of fundamental Neurosciences, University of Lausanne	Hijacked NAD <sup>+</sup> metabolism in axon- and neurodegeneration	Stéphane Ciochi
10.04.2026 B118	<b>Prof. Frédéric Bretzner</b> Department of Psychiatry and Neuroscience, Université Laval, Quebec (CA)	Genetic dissection of subcortical circuits pertaining to motor control and recovery of locomotion after spinal cord injury	Pernet Vincent
17.04.2026 B118	<b>Thomas Andrillon</b> , Paris Brain Institute, <a href="#">INSERM</a>	Sleep without borders: local aspects of sleep in sleep and wakefulness	Athina Tzovara
15.05.2026 B118	<b>Prof. Nora Abrous</b> , <a href="#">Bordeaux Neurocampus</a> , INSERM	Role of adult born hippocampal neurones in the physiology and physiopathology of memory	Antoine Adamantidis
22.05.2026 Physio	<b>Prof. Jasmin Hefendehl</b> , Goethe Universität Frankfurt	The role of stromal progenitor cells in recovery post stroke	Steven Proulx
29.05.2026 B118	<b>Prof. Friedhelm Hummel</b> , Brain Mind Institute, <a href="#">EPFL</a>	Orchestrated Neuromodulation to enhance motor and cognitive functions in health and neurological disorders	Maxime Baud

05.06.2026 B118	<b>Tommaso Fellin,</b> <a href="#">Italian Institute of Technology</a> (IT)	Aberration corrected microendoscopes for extended field-of-view deep brain imaging in benchtop and miniaturized two-photon microscopes	Carolina Gutierrez Herrera
19.06.2026 Physio, 258	<b>NLS Test</b>	Multiple-choice test	

AA: Antoine Adamantidis  
SC: Stéphane Ciochi  
CGH: Carolina Gutierrez Herrera  
MB: Maxime Baud  
SP: Steven Proulx  
TV: Thomas Nevian  
MP: Mihai Petrovici