

The Neuroscience Lecture Series

November 2023 - June 2024

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 70 % 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, 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.

- INOB118: Lecture room of the department of Neurology, Inselspital, Freiburgstrasse 18.
- Physio: Seminar room, Institute of Physiology, Bühlplatz.
- Felix Frey: Auditorium ground floor, SITEM, Freiburgstrasse 3.

| Date/Place | Speaker | Title | Chair |
|--|--|--|-------|
| Nov 1-3 Langhans | Sleep-Wake Epilepsy days - ZEN Symposium See separate program. | | All |
| Nov 17 2023 B118 PhD defence | Christelle Peyron Université de Lyon | Single-cells and single-nuclei transcriptomic analyses of the hypothalamus in neuroinflammatory condition, what can it tell us about Narcolepsy type 1 ? | MS |
| Nov 24 2023 B118 | Hiroki Ueda Riken institue | The phosphorylation hypothesis of sleep | MS |
| Dec 1 2023 B118 | Nicolas Toni Université de Lausanne | The role of the neurogenic niche in the regulation of adult hippocampal neurogenesis in anxiety | AA |
| *Feb 1 2024 Felix Frey PhD defence | Christophe Bernard Aix-Marseille University | TBD | MB |
| Feb 2 2024 Physio | Valerio Zerbi | TBD (info requested by AA) | AA |

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|---------------------------|---|--|----|
| Feb 16 2024 B118 | Marc Züst University of Bern | Enhancing sleep to prevent cognitive decline | AA |
| Mar 1 2024 B118 | Christoph Korn University of Heidelberg | Some neuro-computational models of social decision-making and learning | AT |
| Mar 15 2024 Physio | Martin Fuhrmann University of Bonn | TBD (info requested by SC) | SC |
| Mar 22 2024 B118 | Jan Kudlacek University of Prague | Mechanisms of epileptogenicity in a mouse model focal cortical dysplasia | MB |
| Apr 5 2024 | Optional date, delete | If not used | |
| Apr 12 2024 B118 | Mihai Petrovici | TBD (info requested by AA) | AA |
| Apr 26 2024 TBD | Vassiliki Nikoletopoulou | TBD (info requested by AA) | |
| May 3 2024 PhD defense | Simone Sarasso | TBD (info requested by AT) | AT |
| May 17 2024 Physio | Anissa Kempf University of Basel | TBD (info requested by AA) | AA |
| May 31 2024 Physio | Cordelia Imig | TBD (info requested by SC) | SC |
| Jun 7 2024 | Cyril Herry Neurocentre Magendie | Fill or keep until Feb 2024 | SC |
| Jun 14 2024 | Additional dates | Fill or keep until Feb 2024 | |
| Jun 21 2024 | Additional dates | Fill or keep until Feb 2024 | |

Organisers/chairs: Prof. Antoine Adamantidis, PhD; Prof. Maxime Baud, MD, PhD; Prof. Stéphane Ciochi, PhD; Prof. Athina Tzovarra, PhD; Dr. Markus Schmidt, MD, PhD. e-mail to administration.zen@insel.ch for questions.