

The Neuroscience Lecture Series

October 2022 - June 2023

Description: The Neuroscience lecture series builds upon previous seminar series at the Institute of Physiology and the BENESCO Lectures at the Department of Neurology, Inselspital University Hospital Bern. Our guest speakers are renowned national and international scientists who present state-of-the-art research and newest discoveries in cognitive, systems, computational neuroscience or neuro-engineering. Lectures are scheduled on Fridays 12.00-13.00 at the Inselspital or Inst. of Physiology (see planning).

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 semesters.

Registration: by e-mail to claudia.huser@insel.ch, please indicate full name, PhD-program and supervisor

Organizers: Prof. Antoine Adamantidis, PhD; Prof. Maxime Baud, MD, PhD; Prof. Stéphane Cioocchi, PhD

PROGRAM fall term

Date	Place	Topic	Speakers
07.10.2022	INO B 118	"Mnemonic and predictive processing in the auditory cortex" Chair: Athina Tzovara	Ryszard Aukstulewicz, Center for Cognitive Neuroscience Berlin, Freie Universität Berlin, Germany
14.10.2022	INO B 118	"Cardio-audio regularity encoding during human wakefulness, sleep and coma" Chair: Athina Tzovara	Marzia De Lucia, Laboratoire de Recherche en Neuroimagerie (LREN), University Hospital (CHUV) and University of Lausanne (UNIL), Lausanne, Switzerland
21.10.2022	INO B 118	"Motivational functions of the human midbrain" Chair: Antoine Adamantidis	Philippe Tobler, Zurich Center for Neuroeconomics, University of Zurich, Switzerland
28.10.2022	INO B 118	<i>tbc</i>	
02.11.- 04.11.2022	Hörsaal Langhans	26. Berner Schlaf-Wach-Epilepsie Tage	
11.11.2022	INO B 118	"The synergy of clinical and cognitive neuroscience: examples from frontotemporal dementia and language" Chair: Athina Tzovara	Valentina Borghesani, Faculty of Psychology and Educational Sciences, University of Geneva, Switzerland
18.11.2022	INO B 118	"The importance of intrinsic network states for behavior and learning" Chair: Antoine Adamantidis	Adrian Guggisberg, Universitätsklinik für Neurologie, Bern, Switzerland Universitäre Neurorehabilitation Inselspital, Universitätsspital Bern, Switzerland
25.11.2022	INO B 118	"Top-down signaling for control of neocortical threat memory" Chair : Maxime Baud	Johannes Letzkus, Institute for Physiology, University of Freiburg, Germany
02.12.2022	INO B 118	«Deciphering the mystery of sleep: toward the molecular substrate for "sleepiness" Chair: Antoine Adamantidis	Masashi Yanagisawa, International Institute for Integrative Sleep Medicine, The University of Tsukuba, Japan

09.12.2022	Inst. Physiol.	“Sensorimotor Neuroscience Research” Chair: Antoine Adamantidis	Mario Prsa Universität de Fribourg, Switzerland
16.12.2022	Inst. Physiol.	“Neuronal circuits for encoding and retrieving appetitive and aversive memories in mice” Chair: Antoine Adamantidis	Stéphanie Trouche, Institute of Functional Genomics INSERM, Department of Neuroscience, Montpellier, France
PROGRAM spring term			
03.02.2023	INO B 118	<i>Title follows</i> Chair: Antoine Adamantidis	Antoine Bergel, a Marie Sklodowska-Curie Postdoctoral Fellow between McGill University (Montreal Neurological Institute, Peyrache Lab) and ESPCI Paris (Brain & Plasticity Unit, Benchenane Lab)
10.02.2023	INO B 118	“Normative models of synaptic plasticity” Chair: Athina Tzovara	Jean-Pascal Pfister, University of Bern, Department of Physiology, Bern, Switzerland
17.02.2023	INO B 118	“The emotional functions of sleep and dreams: implications for psychiatry” Chair: Antoine Adamantidis	Lampros Perogamvros, MD, MA, PD, Center for Sleep Medicine, Department of Psychiatry, University Hospitals of Geneva, Geneva, Switzerland
24.02.2023	Inst. Physiol.	<i>Title follows</i> Chair : Maxime Baud	Premysl Jiruska
03.03.2023	Inst. Physiol.	“Evaluating the complex dynamics of hippocampal microcircuits underlying memory function” Chair: Antoine Adamantidis	Liset M. de la Prida, Instituto Cajal CSIC, Madrid, Spain
10.03.2023	Inst. Physiol.	“Higher-order motor control of decision function in an uncertain environment” Chair: Stéphane Ciochi	Frederic Gambino, CNRS and University of Bordeaux, Interdisciplinary Institute for Neuroscience (UMR 5297) Centre Broca Nouvelle-Aquitaine, Bordeaux Cedex
17.03.2023	Inst. Physiol.	“Engram-specific epigenetic mechanisms for memory storage” Chair: Antoine Adamantidis	Johannes Gräff, Brain Mind Institute, School of Life Sciences, Ecole Polytechnique Fédérale de Lausanne (EPFL), Lausanne, Switzerland
24.03.2023	ZOOM	“Disorders of the immunoregulatory network in various neurological diseases - what do we learn from this for diagnostics and therapy?” chair: Anke Salmen, Robert Hoepner	Luisa Klotz, Klinik für Neurologie mit Institut für Translationale Neurologie, Universitätsklinikum Münster, Germany
31.03.2023	INO B 118	“Molecular control of the sleep homeostat” Chair: Antoine Adamantidis	Anissa Kempf, University of Basel, Biozentrum
07.04.2023		Karfreitag / Good Friday	
14.04.2023	INO B 118	“Memory formation during sleep: Information reactivation and transfer in the hippocampal-prefrontal network” Chair: Maxime Baud	Randolph Helfrich, Hertie Institute for Clinical Brain Research, University Medical Center Tübingen, Germany
21.04.2023	INO B 118	<i>Title follows</i> Chair : Maxime Baud	Nick Ramsey
28.04.2023	INO B 118	<i>Tbc</i>	
05.05.2023	INO B 118	<i>title follows</i> chair : Stéphane Ciochi	Frank Meyer
12.05.2023	INO B 118	<i>tbc</i>	
19.05.2023		Auffahrt/Ascension Day	
26.05.2023	INO B 118	<i>tbc</i>	

02.06.2023

Exam