



**FENS - Chen Institute - NeuroLeman Summer School
Monitoring and manipulating the affective state:
new perspectives on neurotechnologies and AI tools**

Course option for LNDS and EDNE doctoral PhD candidates

Where: Department of Fundamental Neurosciences (DNF), UNIL, and CNP-Céry

When: August 25 – 30, 2024

Scientific chairs: Manuel Mameli and Ron Stoop

UNIL is hosting the second edition of the [FENS – Chen Institute – NeuroLéman Summer School](#) focusing on the topic “Monitoring and manipulating the affective state: new perspectives on neurotechnologies and AI tools”. More than 30 international students will join the school in Lausanne, they have applied for participation through the FENS and were chosen on a competitive basis. **Local doctoral candidates are invited to join the morning talks of the invited speakers and validate study credits (ECTS) by an assessment task (please see below for details).** The summer school will close with the [Annual Meeting of the NeuroLeman Network and Doctoral Schools \(NLN’24\)](#) on Friday August 30 where international and local students can present and discuss their work, and enjoy the social program.

Talk program of the FENS-CHEN-NeuroLeman Summer School accessible to local students

| | |
|---|--|
| Monday, August 26 DNF Grand Auditoire | 09:00 Christine Heim (Charité University Medicine Berlin, Germany): Avenues for treatment of mood disorders 11:00 Carmen Sandi (EPFL Lausanne, Switzerland): Neurobiological substrates for stress and anxiety |
| Tuesday, August 27 DNF Grand Auditoire | 09:00 Ricardo Chavarriaga (Zurich University of Applied Sciences, Switzerland): Data Governance for Neuroscience: Enabling ethically aligned research and innovation 11:00 Sam Golden (University of Washington, USA): Advancing machine-learning analysis of behavior with explainability and transparency |
| Wednesday, August 28 DNF Grand Auditoire | 09:00 Andrew McStay (Bangor University, UK): Automating Empathy - Establishing Standards and Good Governance 11:00 Valeria Gazzola (University of Amsterdam, Netherlands): How the emotional states of others affect our brain, behavior and decision processes - a cross-species approach |
| Thursday, August 29 CNP-Céry | 09:00 Ralph Adolphs (Caltech Brain Imaging Center, USA): Neuroanatomy of emotion in the human brain |
| Friday, August 30 Swisstech Convention Center | 09:00 Asya Rolls (Israel Institute of Technology): Immune-brain interactions in affective disorders <i>>>> in conjunction with the Annual Meeting of the Neuroscience Network and Doctoral Schools (NLN24) <<<</i> |

Course credit option for doctoral candidates (1 ECTS)

- Attend at least 3 of 4 mornings of the event > signature on participation sheet every day.
- Send a term paper (instructions below) to "inds@unil.ch" with the subject "FENS" before September 30, 2024. All submitted papers will be collectively forwarded to the respective organizers for evaluation.
- In your term paper (1-2 pages long; please provide your name, as well as bibliographic references for your arguments in case applicable) you should sketch ideas how one or two symposium topics relate to your own research or could contribute to future research of yours.

Registration

The offer is limited to 15 local participants. Register before June 30 by writing a mail to Indscourses@gmail.com (with your supervisor in copy), stating "FENS4NeuroLeman2024" in the header and add to the mail 1-2 sentences on you motivation to participate.