

FENS-HERTIE WINTER SCHOOL 2022

“NEURO-IMMUNE INTERACTIONS IN HEALTH AND DISEASE”

29 January - 4 February 2023

Obergurgl University Center, Austria

Scientific Chairs: Prof. Rosa Paolicelli, Prof. Marco Prinz
& Prof. Anne Roumier

Programme

Sunday 29th January

17:30 - 19:00 **Registration & Welcome Drink**

19:00 - 20:30 *Dinner*

20:30 - 22:00 School introduction by co-chairs
Participants' introduction
FENS CHET presentation

Monday 30th January

08:00 - 09:30 **Asya Rolls**
Technion – Israel Institute of Technology, Israel
Immunoception: immune representation and control by the nervous system

09:30 - 09:50 *Coffee break*

09:50 - 11:20 **John Cryan**
University College Cork, Ireland
Microbiota-immune-brain interactions: A lifespan perspective

11:20 - 15:30 *Lunch – Free time*

15:30 - 16:00 *Coffee break*

- 16:00 - 19:00 **Philipp Kellmeyer**
University of Freiburg, Germany
Neuroimmunology and neurodegeneration: ethical and social implications
- 19:00 - 20:30 *Dinner*
- 20:30 - 22:00 Poster session 1

Tuesday 31st January

- 08:00 - 09:30 **Anne Roumier**
Institut du Fer à Moulin, France
Microglia under the control of serotonin: from processes attraction to the regulation of brain development and innate adult behaviors
- 09:30 - 09:50 *Coffee break*
- 09:50 - 11:20 **Marco Prinz**
University of Freiburg, Germany
The myeloid side of the CNS
- 11:20 - 15:30 *Lunch – Free time*
- 15:30 - 16:00 *Coffee break*
- 16:00 - 17:30 **Henrique Veiga-Fernandes**
Chamalimaud Foundation, Portugal
Innate lymphoid cells and the second brain
- 17:30 - 19:00 European Journal of Neuroscience presentation

Poster session 2
- 19:00 - 20:30 *Dinner*
- 20:30 - 22:00 Interactive session

Wednesday 1st February

- 08:00 - 09:30 **Michela Matteoli**
CNR Institute of Neuroscience and Humanitas University, Italy
How the immune system affects synaptic function
- 09:30 - 09:50 *Coffee break*
- 09:50 - 11:20 **Sonia Garel**
Ecole Normale Supérieure (IBENS) and Collège de France
Microglia in early brain wiring: from circuit assembly to structural integrity
- 11:20 - 15:30 *Lunch – Free time*
- 15:30 - 16:00 *Coffee break*
- 16:00 - 17:30 **Long-Jun Wu**
Mayo Clinic School of Medicine, USA
Neuroimmune interaction: How microglia sense and regulate neuronal activity
- 17:30 - 19:00 Session on grant writing with Chiara Gabbi (online)
- 19:00 - 20:30 *Dinner*
- 20:30 - 22:00 Poster session 3

Thursday 2nd February

- 08:00 - 09:30 **Mikael Simons**
Technical University Munich, Germany
Functions of microglia in white matter aging and remyelination
- 09:30 - 09:50 *Coffee break*
- 09:50 - 11:20 **Adam Denes**
Institute of Experimental Medicine, Hungary
Compartment-specific modulation of neuronal and vascular responses by microglia

- 11:20 - 15:30 *Lunch – Free time*
- 15:30 - 16:00 *Coffee break*
- 16:00 - 17:30 **Amanda Sierra**
Achucarro Basque Center for Neuroscience, Spain
Immunometabolic adaptations of microglial phagocytosis
- 17:30 - 19:00 Poster session 4
- 19:00 - 20:30 *Dinner*
- 20:30 - 22:00 Interactive session - karaoke

Friday 3rd February

- 08:00 - 09:30 **Stefano Pluchino**
University of Cambridge, United Kingdom
Fuels and drivers of smoldering brain disease
- 09:30 - 09:50 *Coffee break*
- 09:50 - 11:20 **Rosa Paolicelli**
University of Lausanne, Switzerland
Metabolic flexibility and microglial function: focus on lactate
- 11:20 - 15:30 *Lunch – Free time*
- 15:30 - 16:00 *Coffee break*
- 16:00 - 17:30 Interactive session
- 17:30 - 19:00 Conclusions by co-chairs, Wrap-up & Feedback session
- 19:00 - 22:00 *Dinner & Farewell party*

Saturday 4th February

Breakfast and departure