

3rd HBP School Future Neuroscience – The Multiscale Brain: From Genes to Behaviour

Obergurgl, Austria, 28 November – 4 December 2016

education.humanbrainproject.eu/web/third-hbp-school

Description

The 3rd HBP School is jointly organised by the Human Brain Project (HBP) and the Allen Institute for Brain Science (AI) and offers a comprehensive programme covering all aspects of neuroscience relevant to the HBP research programme.

Understanding the brain requires an integrated understanding of different scales of organisation spanning genes, channels, cells, microcircuits, brain regions and their roles in behaviour from perception to action in different states including wakefulness and sleep. This course will take the student through the latest data, models and techniques for investigating the different levels of the brain and through the process of putting the pieces together to derive new insights and theories. Workshops each day will guide the student with hands-on experience with the state-of-the-art tools and techniques for neuroinformatics, analysis, modelling and simulation.

The school offers ample opportunities for scientific discussions between students and faculty during dedicated discussion sessions, tutorials and social events.

Programme Structure

Lectures

Discussion sessions

Hands-on tutorials & workshops

Student lightning talks

Poster presentations

Social events

This school is open to the whole student community and early post-docs upon application. Abstract submissions for presenting the applicants' own work are particularly welcome. Applications from young female investigators are highly encouraged.

Scientific Committee

Alois Saria | MUI

Sean Hill | EPFL

Jane Roskams | AI

Terri Gilbert | AI

Organised by

HBP Education Programme Office

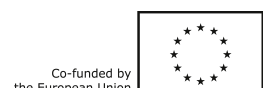
Upcoming Deadlines

Application deadline: 7 September 2016

Contact

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Keynote Lectures

Costas Anastassiou | AI
Forrest Collmann | AI
Alain Destexhe | CNRS
Saskia De Vries | AI
Simon Eickhoff (FZ JUELICH)
Terri Gilbert | AI
Sean Hill | EPFL
Elisabetta Iavarone | EPFL
Ferath Kherif | CHUV
Huib Mansvelder | VU
Vilas Menon | AI
Eilif Muller | EPFL
Francesco Pavone | LENS
Armando Romani | EPFL
Jane Roskams | AI
Werner van Geit | EPFL
Jack Waters | AI
More TBC

The Venue

The 3rd HBP School will take place at the Obergurgl University Centre, which is located right next to the ski slopes and only five minutes' walk from the village centre. It was founded in 1951 by the Obergurgl federal Sports Centre in cooperation with the Alpine Research Centre of the University of Innsbruck. Over the past decades, numerous renowned mountain guides, ski instructors, researchers and scientists gathered here to collaborate on major contributions to sports and science in the Alps.

Obergurgl is located in the Ötztal Alps in Tyrol, Austria, and part of the municipality of Sölden. The village is located 1,907 m (6,257 ft.) above sea level and is primarily a tourist resort with only about 400 permanent residents. Due to its remote location, it is very popular not only for tourists but also among scientists and researchers.

Keywords

Neuroscience, Brain Atlasing, Mapping, Genes, Clinical Translation