1st HBP Curriculum workshop series

Understanding the brain: Neurobiology for non-specialists

3-5 July 2017, Medical University Innsbruck, Austria https://education.humanbrainproject.eu/web/1st-hbp-curriculum-neurobiology

Description

The aim of this interactive workshop is to provide practical insights into basic and translational neuroscience research for interested non-specialists. The topics addressed range from essential neuroanatomy and neurophysiology, over IPS cells, to networks and behaviour. Plasticity and modulation of networks and signal transmission under physiological (like learning and memory) and pathological situations (like addiction, epilepsy or neurodegeneration) will form an essential part.

Workshop Structure

Lectures Discussion sessions Hands-on tutorials Lab visits Social event

Lectures and tutorials will be accompanied by lab visits, practical work and an open discussion round. Experts in functional neuroanatomy, neurobiochemistry, neuropharmacology and psychiatry from Medical University Innsbruck (Austria), the Allen Institute for Brain Science (USA) and the Human Brain Project (HBP) will be available on site.

Application

This workshop is open to the whole student community and early post-docs upon application. Applications from young female investigators are highly encouraged.

Application is required (https://education.humanbrainproject.eu/web/hbp-education-portal/educationalevents) as space may be limited.

Applicants selected for participation will be informed within two weeks after the application deadline. There is no registration fee. Seven travel grants will be available upon request (European students only). Accommodation can be provided for 30 students (first come, first served).

Note: The workshop is a supplement to the online course 'HBP Curriculum - Neurobiology for non-specialists'. It is recommended for workshop participants to attend the online course as a basis for the workshop. During the workshop, participants will have the possibility of taking an exam about the content of the HBP online course 'HBP Curriculum - Neurobiology for non-specialists'.

Scientific Directors Christoph Schwarzer | MUI Alois Saria | MUI

Organised by HBP Education Programme Office

Upcoming Deadlines Application deadline: 24 May 2017





Contact

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Lectures

Uri Ashery TAU	Modulation of synaptic plasticity and neuronal network activity
Terri Gilbert Al	The Allen Brain Atlas Neuroanatomy – gene expression; The Allen Brain
	Atlas Neuroanatomy – connectivity; The Allen Brain Atlas: Cell typing and
	visual coding
Alexandra Koschak LFU	Ion channels in diseases
Roxana Nat MUI	Induced pluripotent stem cells
Alois Saria MUI	Welcome note and workshop introduction
Christoph Schwarzer MUI	Welcome note and workshop introduction
Sandra Santos Sierra MUI	Principles of neuropharmacology
tbc	

Lab visits

- Marta Cubero | LFU Frank Edenhofer | LFU Barbara Hausott | MUI Lars Klimaschewski | MUI Iwona Kmiec | MUI Barbara Pinheiro | MUI Sandra Rizzi | LFU Christoph Schwarzer | MUI Gerald Zernig | MUI tbc
- Regeneration in the CNS Regeneration in the CNS Comparative neuroanatomy Comparative neuroanatomy Experimental EEG Addiction / Psychiatry Regeneration in the CNS Neurodegeneration Addiction / Psychiatry

The Venue

The Medical University of Innsbruck is a young research centre with a long tradition: It was one of the first four faculties (Philosophy 1669, Faculty of Law 1670, Faculty of Theology 1670 and Faculty of Medicine 1674) of the University of Innsbruck and has been an important flagship for the university throughout its 340-year history.

In the heart of Tyrol, Austria and consequently in the heart of the Alps, the Medical University of Innsbruck provides the best conditions for successful research, studies and teaching at an attractive location. It is the most important medical research and training facility in western Austria.

Keywords

Neurobiology, Neuroanatomy, brain atlas, network, Psychiatry, behaviour, Regeneration, Cells, Human Brain Project, Allen Institute for brain science



