

## 1st HBP Curriculum workshop series

### New horizons in clinical neuroscience: Brain medicine for non-specialists

5-7 July 2017, Medical University Innsbruck, Austria

<https://education.humanbrainproject.eu/web/1st-hbp-curriculum-brain-medicine>

#### Description

The aim of this interactive workshop is to deepen and complete the online course on brain medicine for non-specialists with the most recent advances in research of neurodegenerative and neuropsychiatric disorders. Lectures and tutorials by international experts will report the state of the art of research and treatment of brain diseases. Representatives of the Allen Institute for Brain Science (AI, USA) and the Human Brain Project (HBP, Europe) will present novel avenues for exploiting large biological datasets for future classification of brain diseases, which may lead to new strategies for developing therapeutics.

#### Workshop Structure

Lectures  
Discussion sessions  
Hands-on tutorials  
Social event

Hands-on examples for using the tools developed by the Allen Institute and the HBP will be made available.

#### 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 – Brain medicine 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 – Brain medicine for non-specialists'.

#### Scientific Directors

Uri Ashery | TAU  
Alois Saria | MUI

#### Organised by

HBP Education Programme Office

#### Upcoming Deadlines

Application deadline: 29 May 2017

## Contact

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## Lectures

Uri Ashery | TAU

Welcome note and workshop introduction; New directions for detecting early biomarkers and treatments of neurodegenerative diseases

Dafna Ben-Bashat | TAU

Clinical aspects of brain imaging

Wolfgang Fleischhacker | MUI

New pharmacological targets for the treatment of schizophrenia

Nir Giladi | TAU

Neurodegenerative diseases

Terri Gilbert | AI

The Allen Human Brain Atlas; The Brainspan Atlas of the Human Brain; The Allen Brain disease datasets

Ferath Kherif | CHUV

HBP Medical Informatics Platform: Disease signatures

Ralph Laufer | TEVA

Novel therapeutic strategies

Werner Poewe | MUI

The concept of prodromal Parkinson's Disease

Alois Saria | MUI

Welcome note and workshop introduction

Barbara Sperner-Unterweger | MUI

Psychoneuroimmunology

Gregor Wenning | MUI

MSA

## 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

Brain medicine, pharmacology, Human Brain Project, Allen Institute for Brain Science, disease, neurodegeneration, Parkinson's