



Human Brain Project
Education Programme

2ND HBP CURRICULUM WORKSHOP SERIES

NEW HORIZONS IN BRAIN MEDICINE: FROM RESEARCH TO CLINICS

4-6 JULY 2018
KALKSCHEUNE BERLIN, GERMANY

SCIENTIFIC PROGRAMME



@hbp_education



@hbpeducation



HBP Education



HBP Education Programme



<https://education.humanbrainproject.eu/>

HBP CURRICULUM

The HBP Curriculum on Interdisciplinary Brain Science combines web-based distance learning courses and face-to-face workshops that provide basic lessons in the HBP core fields neuroscience, medicine and ICT as well as the complementary subjects of ethics and intellectual property rights.

Further information:

<https://bit.ly/HBPCurriculum>

NEW HORIZONS IN BRAIN MEDICINE: FROM RESEARCH TO CLINICS

The aim of this interactive workshop is to introduce and deepen the understanding of brain medicine for non-specialists with the most recent advances in research of neurodevelopmental, neurodegenerative and neuropsychiatric disorders. Lectures and tutorials by international experts will report the state of the art of research and treatment of brain diseases. Hands-on examples and practical tools and methodologies will be presented during a visit to a laboratory/clinic at Charité Hospital in Berlin.

Scientific Chair:

Illana Gozes | TAU



Sagol School
of Neuroscience
Tel Aviv University

Organisers:

Alois Saria, Elisabeth Wintersteller, Lisa-Marie Leichter, Stefan Mittermayr | MUI

Contact:

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WEDNESDAY 4 JULY 2018

12:00 - 12:30	Registration
12:30 - 12:45	Welcome note and workshop introduction Illana Gozes TAU
12:45 - 14:00	Big vs small data analysis targeting “disease signatures” towards precision healthcare Mira Marcus-Kalish TAU
14:00 - 15:00	HBP Research Infrastructure: Application of network medicine to the understanding of neuropsychiatric diseases Ferath Kherif CHUV
15:00 - 15:30	Coffee break
15:30 - 16:30	Translational approaches to treating neuropsychiatric disease: Emphasis on erythropoietin Hannelore Ehrenreich MPG/CMPB
16:30 - 17:30	Gene & environment interaction in mental disorders Hans Grabe UMG
17:30 - 18:00	Q&A Session
18:00 - 21:00	Social evening

THURSDAY 5 JULY 2018

- 08:00 - 09:00** **The role of homocysteine in schizophrenia**
Joseph Levine | BGU
- 09:00 - 10:00** **Modern imaging techniques in neuroimmunology: Current research and clinical applications**
Paul Friedemann | Charité
- 10:00 - 10:30** **Coffee break**
- 10:30 - 13:00** **Visit to Charité Hospital - laboratory and clinical settings**
Paul Friedemann | Charité
- 13:00 - 14:00** **Lunch break**
- 14:00 - 15:00** **Oxytocin in translational neuroscience: Involvement in anxiety, fear and stress regulation**
Inga Neumann | UR
- 15:00 - 15:30** **Coffee break**
- 15:30 - 16:30** **Post-translational modulation of neurotoxicity in brain misfolding diseases**
Maria Pennuto | UNIPD
- 17:00 - 18:00** **Data use and ethical issues in HBP**
Manuel Guerrero | KI
- 18:00 - 20:00** **Poster session**

FRIDAY 6 JULY 2018

- 08:00 - 09:00** **The role of type 2 diabetes in brain and cognitive damage**
Michal Beerli | SHEBA
- 09:00 - 10:00** **Protective effects of PACAP in models of neurodegenerative diseases, with special emphasis on Parkinson's disease**
Dora Reglodi | PTE
- 10:00 - 10:30** **Coffee break**
- 10:30 - 11:30** **Autism: From gene to drug candidate and a clinical trial plan, the case of ADNP and CP201**
Illana Gozes | TAU
- 11:30 - 12:00** **Discussion**
- 12:00 - 13:00** **Lunch break**
- 13:00 - 14:00** **Insight into learning impairments and therapies for Christianson syndrome: X-linked neurological disorder**
Anne McKinney | McGill

NOTES



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