



Human Brain Project
Education Programme

2ND HBP CURRICULUM WORKSHOP SERIES

NEUROBIOLOGY FOR NON-SPECIALISTS: STUDYING THE BRAIN

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>

NEUROBIOLOGY FOR NON-SPECIALISTS: STUDYING THE BRAIN

This workshop addresses especially early career researchers who are not familiar with the field of neurobiology and/or neuroscience. It covers topics from basic neurobiology over cell biology and electrophysiology to big data handling. A major aspect will be the challenges of data collection and interpretation in a highly complex system.

Scientific Chair:

Christoph Schwarzer | MUI



Organisers:

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

Contact:

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WEDNESDAY 4 JULY 2018

08:00 - 09:00	Registration
09:00 - 09:15	Introduction
09:15 - 10:00	Basics of neurobiology I Christoph Schwarzer MUI
10:00 - 10:30	Coffee break
10:30 - 12:00	Basics of neurobiology II Christoph Schwarzer MUI
12:00 - 13:00	Lunch break
13:00 - 15:00	Histological methods and microscopic techniques in neuroscience Maja Puchades UiO
15:00 - 15:30	Coffee break
15:30 - 17:30	Lab visits Experimental Neurology Department Charité
18:00 - 21:00	Social evening

THURSDAY 5 JULY 2018

- 08:30 - 10:00** **Cell biology methods**
Chotima Böttcher | Charité
- 10:00 - 10:30** **Coffee break**
- 10:30 - 12:00** **Electrophysiology**
Larissa Kraus | Charité
- 12:00 - 13:00** **Lunch break**
- 13:00 - 15:00** **Experimental and clinical EEG**
Pawel Fidzinski | Charité
- 15:00 - 15:30** **Coffee break**
- 15:30 - 17:00** **Neuropharmacology**
Christoph Schwarzer | MUI
- 17:00 - 18:00** **Data use and ethical issues in HBP**
Manuel Guerrero | KI
- 18:00 - 20:00** **Poster session**

FRIDAY 6 JULY 2018

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|---------------|---|
| 08:30 - 10:00 | Models in neuroscience
Sarah Genon JUELICH |
| 10:00 - 10:30 | Coffee break |
| 10:30 - 12:00 | Behavioural testing
Simone Sartori LFU |
| 12:00 - 13:00 | Lunch break |
| 13:00 - 14:30 | Emics in Neuropharmacology
Jeffrey Liu MPG |
| 14:30 - 16:00 | HBP Neuroinformatics Platform
Yann Leprince CEA |

NOTES





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