



Human Brain Project  
Education Programme

**3<sup>RD</sup> HBP CURRICULUM WORKSHOP SERIES**  
**NEUROBIOLOGY FOR**  
**NON-SPECIALISTS**  
**STUDYING THE BRAIN**

**1-3 JULY 2019**  
**MEDICAL UNIVERSITY INNSBRUCK**  
**INNSBRUCK, AUSTRIA**

**SCIENTIFIC**  
**PROGRAMME**



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# WORKSHOP INFORMATION

This workshop addresses early career researchers who are not working in the field of neuroscience and/or neurobiology. The course aims to provide an understanding of how data are generated in neuroscience and what are the challenges in the interpretation of data. Active researchers will give insights into modern methods and aspects of research. This will range from histological methods over EEG to behavioural experiments and phosphoproteomics. Lab visits will be offered to those who are not familiar with wet-labs. This gained knowledge will support and stimulate the use of HBP Platforms.

## Scientific Chair:

Christoph Schwarzer | Medical University Innsbruck

## Organisers:

Sylvia Aßlaber | Medical University Innsbruck

Laura Saxer | Medical University Innsbruck

## Contact:

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## Further information:

<http://bit.ly/HBP-Neurobio2019>



# MONDAY 1 JULY 2019

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08:30 - 9:00 Registration

09:00 - 09:15 Introduction  
Christoph Schwarzer | Medical University Innsbruck

09:15 - 10:00 Basics of neurobiology I  
Christoph Schwarzer | Medical University Innsbruck

10:00 - 10:30 Coffee break

10:30 - 12:00 Basics of neurobiology II  
Christoph Schwarzer | Medical University Innsbruck

12:00 - 13:00 Lunch break

13:00 - 15:00 Histological methods and microscopic techniques  
in neuroscience  
Maja Puchades | University of Oslo

15:00 - 15:30 Coffee break

15:30 - 17:00 Lab visits

17:00 - 21:00 Social evening

## TUESDAY 2 JULY 2019

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- 08:30 - 10:00 **In vitro methods**  
Luca Zangrandi | Charité Universitätsmedizin Berlin
- 10:00 - 10:30 **Coffee break**
- 10:30 - 12:00 **Electrophysiology**  
Larissa Kraus | Charité Universitätsmedizin Berlin
- 12:00 - 13:00 **Lunch break**
- 13:00 - 15:00 **Experimental and clinical EEG**  
Pawel Fidzinski | Charité Universitätsmedizin Berlin
- 15:00 - 15:30 **Coffee break**
- 15:30 - 16:30 **The HBP at the half-way point (open for public)**  
Alois Saria | Medical University Innsbruck
- 16:30 - 17:30 **Data use and ethical awareness in the HBP**  
Manuel Guerrero | Uppsala University
- 17:30 - 18:00 **Poster session**

## WEDNESDAY 3 JULY 2019

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- 08:30 - 10:00 **Models in neuroscience**  
Sarah Genon | Forschungszentrum Jülich
- 10:00 - 10:30 **Coffee break**
- 10:30 - 12:00 **Behavioural testing**  
Simone Sartori | Leopold-Franzens University Innsbruck
- 12:00 - 13:00 **Lunch break**
- 13:00 - 14:00 **Omics in neuropharmacology**  
Jeffrey Liu | Max Planck Institute
- 14:30 **Exam**





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**[humanbrainproject.eu/education](https://humanbrainproject.eu/education)**