

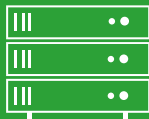


Human Brain Project
Education Programme

4TH HBP STUDENT CONFERENCE ON INTERDISCIPLINARY BRAIN RESEARCH

21-22 JANUARY 2020
PISA, ITALY

REGISTRATION DEADLINE:
8 JANUARY 2020



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HBP Education Programme

PRELIMINARY SCIENTIFIC PROGRAMME

The human brain is such a complex system that it can only be understood by combining knowledge and practices from multiple scientific fields. The 4th HBP Student Conference provides an open forum for the exchange of new ideas among young researchers working across various aspects of science relevant to the Human Brain Project (HBP). The conference offers a space for extensive scientific dialogue, both intra- and interdisciplinary, among peers and faculty through a variety of discussion sessions, lectures and social events.

Conference Programme Committee:

Chairs:

Sandra Diaz | Forschungszentrum Jülich
Gabriel Urbain | Ghent University

Committee:

Carmen Alina Lupascu | Italian National Research Council
Luca Peres | University of Manchester
Marta Turégano | Universidad Politécnica de Madrid
Alexander van Meegen | Forschungszentrum Jülich
Alper Yegeoglu | Forschungszentrum Jülich

Organisers:

HBP Education Programme Office |
Medical University Innsbruck

Further information and registration:

<http://bit.ly/HBPSC2020>



Human Brain Project



Contact organisers:

education@humanbrainproject.eu

Contact Programme Committee:

studentrep@humanbrainproject.eu

This programme may be subject to change.

Tuesday 21 January 2020

Keynote: Neuroanatomy and Machine Learning | 60 min
Dominik Kutra (European Molecular Biology Laboratory)

Keynote: The SpiNNaker Platform | 60 min
Andrew Rowley (The University of Manchester)

Student Session I | 60 min

Keynote: From the origins of M/EEG signals to the study of brain dynamics and time-resolved brain mapping | 60 min
Julia Guiomar Niso Galán (Universidad Politécnica de Madrid)

Student Session II | 60 min

Keynote: Computational models for sensory feedback in upper limb neuroprostheses | 60 min
Alberto Mazzoni (Scuola Superiore Sant'Anna)

Poster Session | 90 min



Wednesday 22 January 2020

Keynote: The virtual epileptic patient (VEP) -
taking neuroscience to clinical trials | 60 min
[Huifang Wang \(Aix-Marseille University\)](#)

Keynote: Ethics in the neurosciences | 60 min
[Dieter Sturma \(Forschungszentrum Jülich\)](#)

Student Session III | 60 min

Keynote: Mean-field models derived from biologically
realistic neuronal dynamics
[Tilo Schwalger \(Technical University Berlin\)](#)

Student Session IV | 60 min

Keynote: Reconstruction and simulation of the cerebellar microcircuit
[Claudia Casellato \(University of Pavia\)](#)

Poster Session | 90 min

Combine the Student Conference with a hands-on workshop day!

The Student Conference is immediately followed by a workshop day on **23 January**, which is dedicated to hands-on project work on various tools and services developed in the HBP.

Attendees of the Student Conference are invited to participate in the workshop day free of charge. Registration is possible through the conference registration system.

The number of participants is limited.

Participation information

Application is open to the entire student community and early-career researchers, regardless of whether they are affiliated with the Human Brain Project or not. It is aimed to offer equal opportunities for all early-career researchers regardless of gender, age, origin, etc.

Registration for the conference is required.

Fees

Online registration (until 8 January 2020):

€ 100.00 for students | 150.00 for regular participants

On-site registration:

€ 150.00 for students | € 200.00 for regular participants

The fee does not include travel and accommodation.





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humanbrainproject.eu/education