

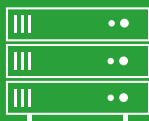


Human Brain Project
Education Programme

6TH HBP STUDENT CONFERENCE ON INTERDISCIPLINARY BRAIN RESEARCH

22-25 FEBRUARY 2022
VIRTUAL EVENT

REGISTRATION DEADLINE: 7 FEBRUARY 2022



The human brain is such a complex system that it can only be understood by combining knowledge and practices from multiple scientific fields. The 6th HBP Student Conference provides an open forum for the exchange of new ideas among early career researchers working across various scientific fields relevant to the Human Brain Project (HBP). Attendees will be exposed to the data-driven and multidisciplinary brain research approach of the HBP and will have the opportunity to use the EBRAINS research infrastructure. The conference will provide space for extensive scientific dialogue (both intra- and interdisciplinary) amongst peers and faculty through a variety of discussion sessions, lectures, workshops & hands-on training sessions and social events. It will take place as a virtual event, organised and supported by the HBP Education Programme.

The 4-day conference will be held virtually from 22–25 February 2022.

REGISTRATION

Participation in the 6th HBP Student Conference is open to the entire student community and early career researchers, regardless of whether they are affiliated with the HBP or not. Participants without contributions to the scientific programme are also welcome. We encourage all young scientists to register and aim for an equal representation of all genders.

Registration is mandatory.

Registration deadline: 7 February 2022

Conference Programme Committee:

Conference Chairs:

Alice Geminiani | University of Pavia
Tabea Kirchner | Forschungszentrum Jülich
Paschal Ochang | De Montfort University

Programme Committee:

Joana Covelo | August Pi i Sunyer Biomedical Research Institute
Sandra Diaz | Forschungszentrum Jülich
Carmen Lupascu | Italian National Research Council
Taylan Özden | Technical University Darmstadt
Jens Egholm Pedersen | KTH Royal Institute of Technology
Ingrid Reiten | University of Oslo
Alper Yegenoglu | Forschungszentrum Jülich

Organisers:

HBP Education Programme Office |
Medical University Innsbruck

Contact:

education@humanbrainproject.eu

Further information:

www.humanbrainproject.eu/education/HBPSC2022/

14:00 – 14:30	Welcome
14:30 – 15:30	Keynote I - The power of the mind: No-nonsense meditation for brain scientists Steven Laureys University of Liège
15:30 – 16:00	Coffee break
16:00 – 17:00	Student Session I: Brain atlases & clinical neuroscience
17:00 – 17:15	Coffee break
17:15 – 18:15	Keynote II - Neuromorphic Computing Mike Davies Intel
18:15 – 18:30	Coffee break
18:30 – 19:30	Networking Session
19:30	End of day

WEDNESDAY 23 FEBRUARY 2022

10:00 – 11:30	Parallel workshops: <ul style="list-style-type: none">• Establishing interdisciplinary collaborations in the EBRAINS Community Lars Klüver, Sara Christina Martinez, Aske Palsberg, Natalie Roosta Danish Board of Technology• Introducing the Arbor simulator: what's new and hands-on tutorial Brent F.B. Huisman Forschungszentrum Jülich• Let's explore EBRAINS! – And discover how your scientific use case can be realized Claudia Bachmann, Marissa Diaz Forschungszentrum Jülich• Now you see it! Visualization and modeling tools for neuroscience on EBRAINS Óscar David Robles Sánchez, Susana Mata Fernández Universidad Rey Juan Carlos Sandra Diaz Forschungszentrum Jülich• The Brain Scaffold Builder: a new framework for realistic brain modelling (the cerebellar use case) Claudia Casellato, Alice Geminiani, Robin De Schepper University of Pavia
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WEDNESDAY 23 FEBRUARY 2022

This programme will be updated regularly and is subject to change.

11:30 – 11:45	Coffee break
11:45 – 12:45	Keynote III - The strategic alliance between neuroscience and robotics Silvia Tolu Technical University of Denmark
12:45 – 13:45	Lunch break
13:45 – 14:45	Round table discussion
14:45 – 15:15	Coffee break
15:15 – 16:30	Student Session II: Brain simulation & brain inspired architectures
16:30 – 16:45	Coffee break
16:45 – 18:15	Poster Session I
18:15	End of day

THURSDAY 24 FEBRUARY 2022

10:00 – 11:30	Parallel workshops: <ul style="list-style-type: none">• Bio-inspired deep learning with Norse and PyTorch Christian Pehle Heidelberg University Jens E. Pedersen KTH Stockholm• Brain Research for Good: Addressing dual use of concern & misuse issues Inga Ulnicane De Montfort University Manuel Guerrero Uppsala University• Inclusive Success! How to develop your career by successfully networking within - and across - university structures and procedures Christian Pehle Heidelberg University Jens E. Pedersen KTH Stockholm• The EBRAINS Collaboratory Marc Morgan EBRAINS
11:30 – 11:45	Coffee break




THURSDAY 24 FEBRUARY 2022

This programme will be updated regularly and is subject to change.

- 11:45 – 12:45 **Keynote IV - Brain Anatomy and Connectivity**
Svenja Caspers | Forschungszentrum Jülich
- 12:45 – 13:45 Lunch break
- 13:45 – 14:45 **Keynote V - Multi-scale modelling of resting-state activity in human and non-human primate cortices**
Sacha von Albada | Forschungszentrum Jülich
- 14:45 – 15:15 Coffee break
- 15:15 – 16:15 **Student Session III: Brain organisation & theoretical neuroscience**
- 16:15 – 16:30 Coffee break
- 16:30 – 18:00 **Networking Session**
- 18:00 End of day

FRIDAY 25 FEBRUARY 2022

- 10:00 – 11:30 **Poster Session II**
- 11:30 – 11:45 Coffee break
- 11:45 – 12:45 **Student Session IV: Systems & cognitive neuroscience**
- 12:45 – 13:45 Lunch break
- 13:45 – 14:45 **Keynote VI - The brain and its mind - The need for philosophy**
Georg Northoff | The Royal Institute of Mental Health Research, University of Ottawa
- 14:45 – 15:15 **Closing and Awards**
- 15:15 End of Conference
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humanbrainproject.eu/education

