



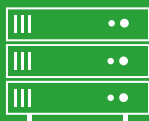
Human Brain Project  
Education Programme

# 6<sup>TH</sup> 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 6<sup>th</sup> 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 6<sup>th</sup> 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](mailto:education@humanbrainproject.eu)

### Further information:

[www.humanbrainproject.eu/education/HBPSC2022/](http://www.humanbrainproject.eu/education/HBPSC2022/)

## TUESDAY 22 FEBRUARY 2022


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

- 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**
- 17:00 – 18:00      **Keynote II - Neuromorphic Computing**  
Mike Davies | Intel
- 18:00 – 19:00      **Networking Session**
- 19:00                End of day

## WEDNESDAY 23 FEBRUARY 2022

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- 10:00 – 11:30      Parallel workshops:
- **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

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

11:30 – 11:45	Coffee break
11:45 – 12:45	<b>Keynote III - The strategic alliance between neuroscience and robotics</b> Silvia Tolu   Technical University of Denmark
12:45 – 13:45	Lunch break
13:45 – 14:45	<b>Round table discussion</b>
14:45 – 15:15	Coffee break
15:15 – 16:15	<b>Student Session II</b>
16:15 – 16:30	Coffee break
16:30 – 18:00	<b>Poster Session I</b>
18:00	End of day

## THURSDAY 24 FEBRUARY 2022

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



## THURSDAY 24 FEBRUARY 2022

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

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

## FRIDAY 25 FEBRUARY 2022

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10:00 – 11:30	<b>Poster Session II</b>
11:30 – 11:45	Coffee break
11:45 – 12:45	<b>Keynote VI - The brain and its mind - The need for philosophy</b> Georg Northoff   The Royal Institute of Mental Health Research, University of Ottawa
12:45 – 13:45	Lunch break
13:45 – 14:45	<b>Student Session IV</b>
14:45 – 15:15	<b>Closing and Awards</b>
15:15	End of Conference





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

