



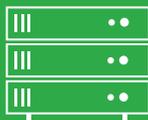
Human Brain Project  
Education Programme

# 3<sup>RD</sup> HBP STUDENT CONFERENCE

## ON INTERDISCIPLINARY BRAIN RESEARCH

6-7 FEBRUARY 2019  
GHENT UNIVERSITY, BELGIUM

REGISTRATION DEADLINE:  
16 JANUARY 2019



@HBP\_Education



@hbpeducation



HBP Education



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HBP Education Programme

# CALL FOR SUBMISSIONS

The human brain is such a complex system that it can only be understood by combining knowledge and practices from multiple scientific fields. The 3<sup>rd</sup> 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.

We invite original high-quality submissions describing innovative research in all disciplines addressed in the HBP. These contributions can emphasise theoretical or empirical works relating to a wide spectrum of fields including but not limited to: neuroscience, computer science, robotics, medicine, psychology, cognitive science or philosophy. We particularly encourage submissions with a potential to inspire collaboration in the research community by introducing new and relevant problems, concepts, and ideas, even if the work is at an early stage of development.

## Conference Programme Committee:

### Chairs:

Sandra Diaz-Pier | Forschungszentrum Jülich  
Gabriel Urbain | Ghent University

### Committee:

Marcelo Armendariz | KU Leuven  
Guillaume Bellec | TU Graz  
Petruț Bogdan | University of Manchester  
Andrea Santuy | Universidad Politécnica de Madrid  
Alexander van Meegen | Forschungszentrum Jülich

## Contact Programme Committee:

studentrep@humanbrainproject.eu

## Contact organisers:

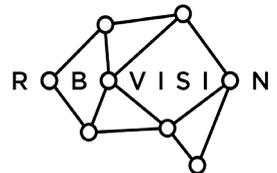
education@humanbrainproject.eu

## Organisers:

HBP Education Programme Office |  
Medical University Innsbruck

## Further information and registration:

<http://bit.ly/HBPSC2019>



Human Brain Project

Co-funded by  
the European Union



# PRELIMINARY SCIENTIFIC PROGRAMME

This programme may be subject to change.

## Wednesday, 6 February 2019

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Keynote: Seeing and thinking with your visual brain | 60 min  
Pieter Roelfsema (Nederlands Herseninstituut)

Keynote: Neuromorphic hardware and robotics | 60 min  
Yulia Sandamirskaya (ETH Zürich)

Student Session I | 60 min

Keynote: Representation learning with contrastive  
predictive coding | 60 min  
Aäron van den Oord (Google DeepMind)

Student Session II | 60 min

Poster Session | 120 min

Keynote: Excitation, inhibition and plasticity in the  
cerebellar network | 60 min  
Lisa Mapelli (Università di Pavia)



# Thursday, 7 February 2019

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Keynote: Neurorobotics: Robot bodies for artificial brains or brain models for robots? | 60 min

Cecilia Laschi (Scuola Superiore Sant'Anna)

Keynote: Ethics and data governance in the Human Brain Project | 60 min

William Knight (De Montfort University)

Student Session III | 60 min

Keynote: From HPC brain models to clinical applications | 60 min

Viktor Jirsa (Université Aix-Marseille)

Student Session IV | 60 min

Poster Session | 120 min

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

The Student Conference is immediately followed by a hands-on workshop day on **8 February**. In the morning, participants have the opportunity to attend a workshop to learn about strategies to boost their career. The afternoon is dedicated to a Hackathon and hands-on project work.

Attendees of the Student Conference are invited to also participate in the workshop day **free of charge**.

Registration is possible through the conference registration system. **The number of participants is limited.**

## Participation information

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Participation in the 3<sup>rd</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 and regardless of whether they make a submission to the scientific programme or not.

We encourage all young scientists to apply and aim at an equal representation of all sexes.

**Registration for the conference is required.**

## Fees

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**Online registration (until 16 January 2019):**

€ 150.00 for students | € 200.00 for regular participants

**On-site registration:**

€ 200.00 for students | € 250.00 for regular participants

**The fee does not include travel and accommodation.**

Registration fee waivers are available for a maximum of five participants. Due to the kind support of IBRO, we are also able to offer a limited number of travel grants. Participants can apply for support prior to the abstract submission deadline by sending an email to [education@humanbrainproject.eu](mailto:education@humanbrainproject.eu).

Please note that the successful submission of an abstract for presentation at the conference is a requirement in order to be eligible for support.





This project has received funding from the European Union's Horizon 2020 Framework Programme for Research and Innovation under the Specific Grant Agreement No. 785907 (Human Brain Project SGA2).

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