



Human Brain Project  
Education Programme

## 2<sup>ND</sup> HBP STUDENT CONFERENCE

TRANSDISCIPLINARY RESEARCH LINKING  
NEUROSCIENCE, BRAIN MEDICINE AND COMPUTER SCIENCE

14-16 February 2018  
Ljubljana, Slovenia

Abstract submission deadline: 11 October 2017

Registration deadline: 31 January 2018

### PRELIMINARY SCIENTIFIC PROGRAMME

as of 26 September 2017



Contact Programme Committee:  
[studentrep@humanbrainproject.eu](mailto:studentrep@humanbrainproject.eu)

Contact organisers:  
[education@humanbrainproject.eu](mailto:education@humanbrainproject.eu)



For more information visit:  
[education.humanbrainproject.eu/web/2nd-hbp-student-conference](http://education.humanbrainproject.eu/web/2nd-hbp-student-conference)



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# Preliminary Scientific Programme

as of 26 September 2017

The 2<sup>nd</sup> HBP Student Conference provides an open forum for exchange of new ideas among young researchers working across various aspects of neuroscience, brain medicine and computer science relevant to the Human Brain Project. The scope of the conference offers a plethora of opportunities for extensive scientific discussions, 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 addressing the HBP research programme. Contributions emphasising theoretical and empirical foundations as well as novel approaches to specific problems with respect to the Subprojects of the HBP are also welcome. Finally, we particularly encourage submissions with a potential to inspire the research community by introducing new and relevant problems, concepts, and ideas, even if the work is at an early stage of development.

## Wednesday 14 February:

**12:00 - 14:00**

Registration

**14:00 - 15:00**

Welcome speech and introduction to the HBP

**Marc-Oliver Gewaltig (EPFL)**

**15:00 - 16:00**

Why does ICT need biology?

**Isabel Fernaud (UPM)**

**16:00 - 16:30**

Coffee break

**16:30 - 17:30**

Student Session I

**17:30 - 18:30**

Querying and exploring big scientific data

**Thomas Heinis (ICL)**

**18:30 - 20:00**

Welcome reception

## Thursday 15 February:

**09:00 - 10:00**

What can we learn from artificial deep networks about biological brain function?

**Radoslaw Cichy (FU Berlin)**

**10:00 - 11:00**

Student Session II

**11:00 - 11:30**

Coffee break

**11:30 - 13:00**

Neuroethics in the big brain initiatives: Necessity or luxury?

**Arleen Salles (UU)**

**13:00 - 14:30**

Lunch break

**14:30 - 15:30**

Student Session III

**15:30 - 16:30**

Building and interacting with The Virtual Brain

**Anthony Randal McIntosh (U Toronto)**

**16:30 - 18:00**

Posters & coffee I

## Friday 16 February:

**09:00 - 10:00**

Neurorobotics: Robot bodies for artificial brains or brain models for robots?

**Cecilia Laschi (SSSA)**

**10:00 - 11:00**

Student Session IV

**11:00 - 11:30**

Coffee break

**11:30 - 13:30**

Career building - parallel break-out sessions

**Katharina Schiederig, Jessica Gedamu, Uta Kletzing (EAF Berlin)**

**13:30 - 15:00**

Lunch break

**15:00 - 16:30**

Posters & coffee II

**16:30 - 17:30**

Defining visual artificial intelligence systems by computationally modelling human vision perception

**Gemma Roig (MIT)**

**17:30 - 18:00**

Closing ceremony

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## Student participation information:

Participation in the 2<sup>nd</sup> HBP Student Conference is open to advanced master students, PhD students and young 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. **Registration is required.**

**We offer childcare during the conference. Please indicate in the registration form if you require this service.**

**Seven travel grants will be available upon request for European students only (country of residence). Travel grant requests have to be sent to [education@humanbrainproject.eu](mailto:education@humanbrainproject.eu) prior to the abstract submission deadline.**

### Fees:

#### Online registration (until 31 January 2018):

€ 90.00 for students  
€ 150.00 for regular participants

#### On-site registration:

€ 150.00 for students  
€ 200.00 for regular participants

## Conference Programme Committee:

### Chair:

Andrea Santuy | UPM, Spain

### Committee:

Nikola Simidjievski | JSI, Slovenia  
Marcelo Armendariz | KU Leuven, Belgium  
Petruț Bogdan | UMAN, UK  
Carlos Canova | JUELICH, Germany  
Claudia Modenato | CHUV, Switzerland  
Agata Mosinska | EPFL, Switzerland

### For further information visit:

<https://education.humanbrainproject.eu/web/2nd-hbp-student-conference/>

### Contact Programme Committee:

[studentrep@humanbrainproject.eu](mailto:studentrep@humanbrainproject.eu)

### Contact organisers:

[education@humanbrainproject.eu](mailto:education@humanbrainproject.eu)

## Organisers:

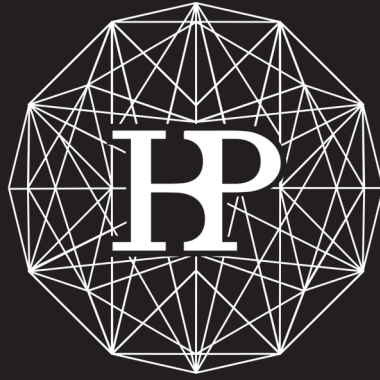
Viktoria Tipotsch,  
Theresa Rass | MUI, Austria



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HBP Education Programme

**Website:**

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