Human Brain Project

YOUNG RESEARCHERS EVENT

INTEGRATING NEUROSCIENCE DATA INTO MODELS AND SIMULATIONS

Campus Biotech, Geneva, Switzerland
12-13 September 2017

Project submission deadline: 18 July 2017
Registration deadline: 16 August 2017
Free registration!

https://education.
humanbrainproject.eu/web/
young-researchers-event-2017

Co-funded by
the European Union

For enquiries
contact:

education@humanbrainproject.eu

Human Brain Project

PROGRAMME
as of 21 June 2017

The 2nd Young Researchers Event (YRE) 2017 is hosted by the Human Brain Project (HBP) and organised by young researchers within the HBP. It will take place in Geneva on September 12-13 and is immediately followed by the in-depth CodeJam on September 13-15.

This year's theme is integrating neuroscience data into models and simulations. As a participant, you have the opportunity to learn about the Information & Communication Technology Infrastructure offered and developed by the HBP, and learn how to use it for your own research. You can also meet other researchers with similar interests, work in small groups and get support on your project from the HBP Platform experts.

The event is targeted towards young researchers (Master and PhD students as well as early postdocs) both from within and outside the HBP and will answer the following questions:

- I have obtained experimental data and want to include it in a simulation or compare simulated results using one of the HBP Platforms. Which one do I use? How can I use it?

- I have already started working with the HBP Platforms, but do not know how to continue. What are the next steps?

- I have not worked with the HBP Platforms yet, but wish to learn more about them. What can I do? How can I get started?

Register now and tell us about your projects, problems, or what you would be interested to learn about the HBP Platforms. Registrations from young female investigators are highly encouraged.

If you want to get in touch with the organisers as well as potential participants before the event, or have any additional questions please contact: **education@humanbrainproject.eu**

Several break-out sessions will be set up to address these questions by working with HBP Platform experts. Find more information about the break-out sessions here: **http://bit.ly/2rF7o6z**

If you would like to hand in your own project or tell us what you would like to learn about the HBP Platforms, **submit your project until 18 July 2017!**

More information and registration at:
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Combine the YRE & CodeJam!
HBP CodeJam Workshop #8

The goal of the CodeJam workshops is to **catalyse open-source, collaborative software development in computational and systems neuroscience and neuroinformatics,** by bringing together researchers, students and engineers to share ideas, present their work, and write code together.

The general format of the workshops is to dedicate the mornings to invited and contributed talks, leaving the afternoons free for discussions and code sprints.

The 8th HBP CodeJam will take place in Geneva as a joint meeting with the Young Researchers Event, with the theme "Integrating neuroscience data into models and simulations". The first day of the CodeJam and the second day of the YRE are overlapping.
All participants of the YRE are invited to participate also in the CodeJam.

TUESDAY, 12 SEPTEMBER 2017

08:00 - 09:00   **Registration**

09:00 - 09:15   **Welcome and introduction to the Young Researchers Event**
by Marc-Oliver Gewaltig, EPFL

09:15 - 11:00   **HBP Platform keynote talks (plenary)**
Learn about the HBP Platforms:

- **The HBP Collaboratory** by Jeff Muller, EPFL
- **Neuroinformatics Platform** by Sonja Grün, JUELICH
- **Brain Simulation Platform** by Armando Romani, EPFL
- **High Performance Analytics and Computing Platform** by Bernd Schuller, JUELICH
- **Medical Informatics Platform** by Zsuzsanna Püspöki, CHUV
- **Neuromorphic Computing Platform** Speaker tbc
- **Neurorobotics Platform** by Marc-Oliver Gewaltig, EPFL

11:00 - 11:30   **Coffee break**

11:30 - 13:00   **Division into working groups and start of break-out sessions**
Start working on your projects in small groups guided by HBP Platform developers:
(For project descriptions and examples visit: http://bit.ly/2rF7o6z)

- **Project 1 - Neuroinformatics Platform**
- **Project 2 - Brain Simulation Platform**
- **Project 3 - High Performance Analytics and Computing Platform**
- **Project 4 - Medical Informatics Platform**
- **Project 5 - Neuromorphic Computing Platform**
- **Project 6 - Neurorobotics Platform**

13:00 - 14:00   **Lunch**

14:00 - 16:30   **Break-out sessions continued**

16:30 - 17:00   **Coffee break**

17:00 - 19:30   **Break-out sessions continued**

19:30   **Reception/get-together**
Continue collaboration in a nice atmosphere

WEDNESDAY, 13 SEPTEMBER 2017

9:00 - 10:30   **Presentations of the break-out sessions (plenary)**
Short presentations from the break-out sessions:

- achievements
- difficulties/problems

10:30 - 11:00   **Coffee break**

11:00 - 12:30   **Break-out sessions continued**

12:30 - 14:00   **Lunch**

14:00 - 16:30   **Break-out sessions continued**

16:30 - 17:00   **Coffee break**

17:00 - 18:30   **Wrap-up session and outcomes (plenary)**
Presentations by each group about achievements in their project work

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This programme may
be subject to change