![Human Brain Project logo](HP Human Brain Project)

YOUNG RESEARCHERS EVENT

SIMULATION

ON DIFFERENT SCALES
OF SPACE AND TIME

Budapest, Hungary

12.April.2016

Abstract submission deadline: 31.March.2016
Registration deadline: 04.April.2016

Space is limited and registration is required:

https://education.humanbrainproject.eu/web/hbp-education-portal/young-researchers-budapest

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For enquiries contact:

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PROGRAMME

08:00-09:00	**Registration**
09:00-09:15	**Welcome to the young researchers day** by Katrin Amunts, FZ Juelich
09:15-10:00	**Keynote Lecture** Requirements for a multi-scale simulation of the transition from deep-sleep to awakeness by Pier Paolucci, University of Rome - La Sapienza
10:00-10:15	**Coffee break**
10:15-12:15	**Simulation on different (time) scales** Within the HBP, several facilities are developed for simulations of neural networks. In this session, these facilities are presented on an introductory level. Plenary session. **Simulator MIIND** by Yi Ming Lai, University of Leeds **Brian Simulator** by Marcel Stimberg, Inserm **Neuron** by Srikanth Ramaswamy, EPFL **NEST** by Philipp Weidel, FZ Juelich **BrainScales** by Eric Müller/Vitali Karasenko, University of Heidelberg **SpiNNaker** by David Lester, University of Manchester
12:15-13:45	**Lunch**

No registration fees

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13:45-15:45	**Simulation in use** Following the introductions in the morning, the participants are given the opportunity for extensive demonstrations of different simulation tools. Sessions are taking place in parallel. **Demo 1: SpiNNaker** by David Lester, University of Manchester **Demo 2: Neuron** by Werner van Geit, EPFL **Demo 3: BrainScales** by Eric Müller/Vitali Karasenko, University of Heidelberg **Demo 4: NEST** by Philipp Weidel, FZ Juelich **Demo 5: Brian Simulator** by Marcel Stimberg, Inserm
15:45-16:45	**Community building session** Poster presentations and/or additional small live demos are encouraged
16:45-18:45	**Simulation in use** Following the introductions in the morning, the participants are given the opportunity for extensive demonstrations of different simulation tools. Sessions are taking place in parallel. **Demo 1: SpiNNaker** by David Lester, University of Manchester **Demo 2: Neuron** by Werner van Geit, EPFL **Demo 3: BrainScales** by Eric Müller/Vitali Karasenko, University of Heidelberg **Demo 4: NEST** by Philipp Weidel, FZ Juelich **Demo 5: Brian Simulator** by Marcel Stimberg, Inserm
18:45-19:00	**Wrap-up of the day** Speaker tbd

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