

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:**

education@humanbrainproject.eu

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 awakesness
by Pier Stanislao Paolucci, INFN - Istituto Nazionale di Fisica Nucleare - Roma

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

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PROGRAMME

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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