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

For enquiries contact:
education@humanbrainproject.eu
Welcome to the young researchers day by Katrin Amunts, FZ Juelich

Keynote Lecture
Requirements for a multi-scale simulation of the transition from deep-sleep to awakeness
by Pier Stanislao Paolucci, INFN - Istituto Nazionale di Fisica Nucleare - Roma

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

Brain 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

Lunch

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

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by David Lester, University of Manchester

Demo 2: Neuron
by Werner van Geit, EPFL

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Demo 5: Brian Simulator
by Marcel Stimberg, Inserm

18:45-19:00

Wrap-up of the day
Speaker tbd

No registration fees

This programme may be subject to changes

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