



Human Brain Project Newsletter

June 2018

Dear Sir or Madam,

Please find below a short overview on recent research and project news from the Human Brain Project (HBP) in June 2018, as well as upcoming HBP events.

Best Wishes,
HBP editorial office

Table of Contents

[Research News](#)

[Project News](#)

[Events and Dates](#)

Research News

Successfull 1st HBP International Conference on consciousness research



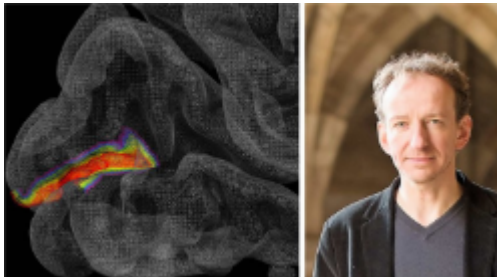
More than 220 participants came together for a fascinating two days at the HBP's International Conference "*Understanding Consciousness*" in Barcelona. 23 talks from leading researchers, 100 posters and 14 flash talks from young scientists captured the dynamic field that consciousness research is today. More impressions from the meeting will be available soon.

HBP Podcast - Neurorobotics with Marc-Oliver Gewaltig



In the first HBP Podcast, deputy leader of the Neurobotics Platform Marc-Oliver Gewaltig, talks about why brains need bodies, the state of Artificial Intelligence and the behaviour of robots. [More](#)

The brain as a "prediction machine" - Interview with Lars Muckli



Prof. Lars Muckli (SP3) is interested in the ways the brain supports vision and how our predictions play into that. In this interview he explains how state-of-the-art functional brain imaging techniques help in elucidating these mechanisms. [More](#)

The android with a sense of touch



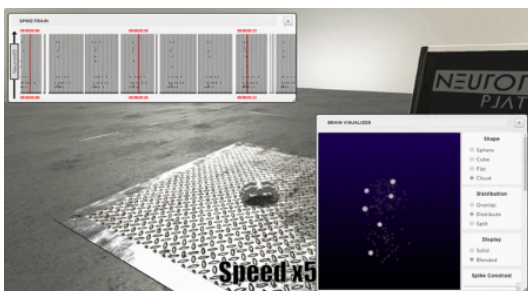
Researchers from HBP Partnering Project *RobotBodySchema* have made a robot with 4,000 sensors sensitive to pressure, giving it a "sense of touch". Their work contributes to analyzing the mind from the prism of robotics and the humanization of machines. [More](#)

New ready-to-use install package of the Neurobotics Platform



The Neurobotics Platform is a user-friendly web interface to GazeboSim and the Neural Simulation Tool NEST to simulate 'robots with brains'. For information on how to install a ready-to-use NRP in minutes, see [here](#) for Linux and [here](#) for Windows.

Bio-inspiration and modularity for adaptable robotic locomotion



New in the Neurobotics-blog: Interaction among different bio-inspired motion controllers representing a simplified model of neural locomotion control in vertebrates on the Neurobotics Platform. [More](#)

Jean-Pierre Changeux honored with 2018 ALBERT EINSTEIN World Award of Science



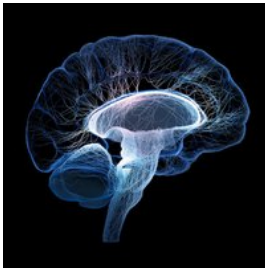
CDP6-leader Prof. Jean-Pierre Changeux has been awarded the Albert Einstein award for science. It recognises his contributions to multiple fields of investigation, from molecular neurochemistry to the theory of consciousness. [More](#)

Project News



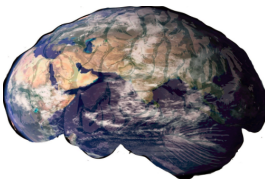
HBP at FENS Forum 2018 in Berlin

FENS is Europe's largest international neuroscience meeting and aims to promote Europe's advances in neuroscientific research. The Human Brain Project will be at FENS with a booth, talks, a technical workshop and networking event. [More](#)



More than 30 SCOPE grants available

To foster strategic alliances in neuroscience and neurocomputation, the SCOPE project offers more than 30 financial grants with an approximate budget of 50,000 Euro. They can be used for financing expenses linked to travelling to congresses, workshops or meetings organised by HBP, as well as visits to laboratories by research personnel. [More](#)



INCF brings international brain initiatives together

Representatives from the large international brain initiatives came together for the INCF Brain Summit "Towards the alignment of the large-scale brain initiatives in support of clinical data" in Stockholm, Sweden. The aim was to identify overlaps, gaps, and opportunities for alignment. The program is available at www.incf.org/brain-summit-2018, and a full report will be available in early autumn 2018. [More](#)

Events and Dates

June and beyond

FENS Technical Workshop: Investigating neural substrates of perception and cognition with large-scale data

Berlin, Germany

7 July 2018

At this technical workshop during the FENS Forum, renowned experts from the HBP, the

Allen Institute and the BRAIN Initiative will describe large-scale efforts to systematically collect, curate, analyse and model in vivo neural activity in the rodent brain during sensation and behaviour.

FENS Networking event: Next Generation Networks in Neuroscience: Networking, Training and Funding Opportunities in Neurosciences for the next generation of researchers

Berlin, Germany

10 July 2018

As part of the FENS Forum of Neuroscience, this networking event is co-organised by FENS-CHET, ERA-NET NEURON & the HBP Education Programme. Meet and mingle with music, drinks and food, while getting updates on support possibilities, training, educational opportunities and available financial aid.

HBP School - The HBP Human Brain Atlas: Neuroscientific basis, tools and applications

3-7 September 2018

Düsseldorf/Jülich, Germany; Maastricht, Netherlands

This HBP School will teach neuroanatomy and cognitive function of the human brain, including hands-on dissection courses, and give an overview about selected methodologies used in the HBP to investigate the structural and functional organisation of the human brain. *Application deadline extended: 11 July 2018*

HBP School “Barcelona Cognition, Brain and Technology Summer School”

Barcelona, Spain

3-14 September 2018

The BCBT School promotes a shared systems-level understanding of the functional architecture of the brain and its possible emulation in artificial systems. It addresses the investigation of learning and memory, brain function and behaviour.

Application deadline: 20 July 2018

HBP School “The Brain Simulation Platform of the Human Brain Project”

Mondello (Palermo), Italy

17-21 September 2018

This School will introduce participants to the HBP Brain Simulation Platform, with the main aim to train users on how to exploit the possibilities offered by the Platform to implement cellular level computational models, to use High Performance Analytics and Computing Platform systems to configure and run a simulation, and to visualise/analyse the results.

Application deadline: 11 July 2018

HBP Open Day 2018

15 October 2018, MECC, Maastricht, Netherlands

Maastricht University is honoured to organise this year’s HBP Open Day – Enhancing our understanding of the brain, free and open to the public. The Open Day will offer a platform for some of the most prominent researchers in the neuroscience community to engage with the public. At a dedicated HBP Science Market, visitors can learn about HBP from different virtual and physical exhibits, such as exploring the brain in virtual and augmented reality or interacting with smart robots.

For more information: <https://www.hbpopendaysummit-2018.org/en>

Contact: helpdesk@klinkhamergroup.com

Find further events at: <https://www.humanbrainproject.eu/en/follow-hbp/events/>
