



Human Brain Project Newsletter

August 2018

Dear Sir or Madam,

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

Best Wishes,
HBP editorial office

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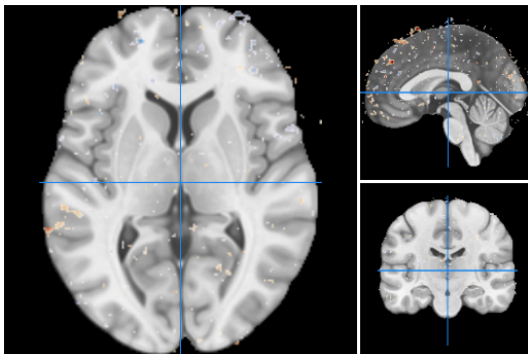
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Research News

Individual Brain Charting: A high-resolution brain map of cognitive functions



The first version of the Individual Brain Charting project dataset has been released in the open access journal *Scientific Data*. Funded by the HBP, the project acquires a set of high-resolution functional MRI maps of the brain during a wide range of behavioral tasks. The data will be used to develop a macroscopic functional atlas and contributes to the HBP's research area "Human Brain Organization". [More](#)

EC blog: The pioneering partnership of Supercomputing and Neuroscience in Europe



In a joint article for the European Commissions blog portal, Katrin Amunts, Scientific Director of the Human Brain Project and Jean-François Buggenhout, Head of the Future and Emerging Technologies (FET) Flagships Unit at the EC, share their views on the promising alliance of European Neuroscience and High Performance Computing. [More](#)

Massive Open Online Course for studying the multi-scale brain



Together with EPFL and the Allen Institute, the HBP Education Programme has developed a Massive Open Online Course (MOOC) on "How to study the multi-scale brain". It is a free web-based distance learning programme that combines lectures, tutorials and exercises into a broad overview on the latest tools and techniques for neuroinformatics, analysis, modelling and simulation. Find it [here](#)

Citizens consulted on how to deal with possible dual use of HBP research



How should HBP and similar research projects address that others could use their research results for political, security, intelligence or military purposes? The Danish Board of Technology consulted 2.289 citizens in a major European citizen consultation spanning 12 countries, combining online surveys and citizen workshops. [More](#)

Join us for the HBP Open Day 2018 in Maastricht!


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. **Registrations are open now - find more information at:** <https://www.hbpopendaysummit-2018.org/openday/programme>

Project News


HBP Voucher Programm


The Human Brain Project opens its expertise and skills to researchers and groups around the world through a new voucher programme. This Call invites proposals for useful feature requests for the HBP Platform Infrastructure. The winning proposals will receive vouchers, each in the range of 6-12 months of HBP development/engineering time to implement the new feature in the HBP Platform. This Call is unique : external applicants are advised to discuss the feasibility & novelty of their feature request with HBP Platform engineers & developers who will contribute to the proposals already during the application process. The external proposal submission deadline is 25 Oct 2018. The voucher projects are expected to start beginning 2019 and will end on 31 March 2020. Website: <http://opencalls2.humanbrainproject.eu/call/voucher-programme>

Quick graphical overview:



Human Brain Project
Infrastructure Voucher Programme

Co-funded by the European Union 





APPLICATION PROCESS

Before Applying:



ELIGIBILITY CHECK

- I have a suggestion for a useful HBP Platform feature
- I am a researcher, academic, non-academic or from hospitals industry or pharma
- Neither myself nor my group is funded by HBP



Contact the HBP (see "Guide for Applicants") and discuss your feature request

1  



Upload the completed proposal to the online system by 25 Oct 2018, 17:00 Brussels time

2  

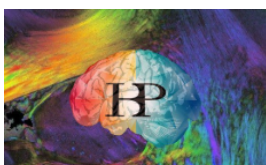
HBP Platform contacts complete their part of the proposal and upload it to the online system by 15 Nov 2018, 17:00 Brussels time

3  

Selection committee decision & start of technical implementation

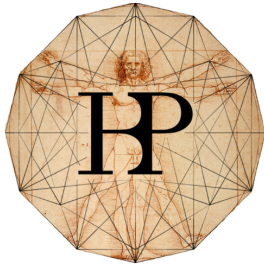
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Website: <https://www.humanbrainproject.eu/en/collaborate/open-calls/>
Questions? Please contact: vouchers@humanbrainproject.eu



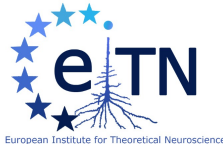
Information concerning the Human Brain Project's Coordination Office

Chris Ebell has decided to leave his position as Executive Director of the HBP and Head of the HBP's Project Coordination Office (PCO). Christian Fauteux, Deputy Executive Director of the HBP, will lead the HBP PCO and the HBP's Management and Coordination Subproject (SP11) ad interim. The EPFL and Chris Ebell have issued a joint statement that can be read on the HBP website. Professor Katrin Amunts, Chair of the HBP's Science and Infrastructure Board and the Project's Scientific Research Director, commented: "Chris did a great job at a difficult time, when the Project was transitioning to the current phase, and this was recognised by the external experts who reviewed the Project in May this year. I am grateful for his collaboration and that of his team." [More](#)



Call for Scientific Chairs of Education workshops

HBP Education is looking for Scientific Chairs for the 2019 Education Workshops. HBP Education Workshops are short teaching formats of two to three days of length. The chairs can come from within or outside of the HBP. For 2019, any date in May, June and July can be claimed for a workshop. [More](#)



An autumn full of workshops at EITN

EITN's latest programme is out! It will begin with a workshop on SlowDyn signing off the partnering project, followed by a closed-meeting on multi-level integration using epilepsy and a workshop to share our experience with the simulators. The season will end with an event on effective connectivity from neurocultures to fMRI. EITN also supports an Art & Science school to stimulate scientific creativity. The European Institute for Theoretical Neuroscience (EITN) was created on March 2014 as part of the Theoretical Neuroscience activities of the HBP and is operated by the UNIC unit of the CNRS in Paris area. More information at www.eitn.eu

Events and Dates

September and beyond

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.

Eighth SpiNNaker Workshop

University of Manchester

Sept. 11, 2018 – Sept. 14, 2018

The workshop will focus on simulation of spiking neural networks using PyNN 0.9 on the SpiNNaker platform. Attendees should have some experience with Python. For the new neuron models and learning rules topics, some background in C is recommended.

HBP Open Day 2018

Enhancing our understanding of the brain

15 October 2018, MECC, Maastricht, Netherlands

The HBP Open Day is an annual outreach event for the Human Brain Project to present its work to scientists, the media, the public and other stakeholders. The Open Day includes presentations by esteemed experts coming from a range of disciplines related to the HBP's work, such as the famous Dutch brain researcher Prof Dick Swaab. The event will also host the HBP Science Market, an exhibition of cutting-edge technology and scientific results developed within the HBP. Visitors will get the opportunity to directly interact with

robots, learn about brain simulation and explore collaboration opportunities with experts from the project. Participation is free, registration is required.

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

Contact: helpdesk@klinkhamergroup.com

HBP at Life Sciences Baltics 2018

Vilnius, Lithuania

September 26-27 2018

Life Sciences Baltics 2018 will gather more than 1,500 world-class biotechnology, pharmaceutical and medical devices experts. HBP has secured a booth and 5 exhibitors' badges are available for HBP partners who would like to showcase HBP achievements and connect with potential industry partners. The badges allow full access to the event, the Welcome Reception and the Gala Dinner networking evenings. HBP partners should communicate their interest in participation to SP managers.

Latest program: <https://lsb2018.com/program/> Contact: t.kokan@icloud.com

HBP Colloquium at Forschungszentrum Jülich

Central Library, Forschungszentrum Jülich

Oct. 4, 2018 at 09:30 – Oct. 4, 2018 at 18:00

The most promising approach to achieve breakthroughs in the understanding of the human brain is through a collaborative effort of the relevant key players in the field of neuroscience and future computing. Following the example of other successfully organized research communities, the European Human Brain Project (HBP) is building such a research infrastructure, the HBP Joint Platform. Germany plays a major role in this endeavor, and contributes with its European partners to many of its activities. The 10-year project has completed its Ramp-Up Phase and subsequent SGA1 funding period and is now celebrating its halftime. This is a good reason to take a closer look at the successes achieved so far, but also at the challenges that still lie ahead. [Registration](#) is open until September 14, 2018. The full Programm can be found [here](#)

Dual Use and Responsible Research: Ethical Challenges

Karolinska Institutet Stockholm, Sweden

Nov. 15, 2018 – Nov. 17, 2018

This workshop aims to provide participants with insights on ethical aspects of dual-use research in neuroscience and Responsible Research and Innovation (RRI).

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