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Human Brain Project Newsletter!

Dear Sir or Madam,

Happy New Year!

Please find a short overview of Human Brain Project (HBP) news from January 2020 below, as well as an outline of upcoming HBP events.

Best regards,

HBP Digital Communications

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Upcoming Events

Human Brain Project Summit & Open Day 2020

Welcome Video

The Open Day is the biggest annual outreach event of the HBP and presents the latest in neuroscience, brain-inspired technologies, and related research infrastructures both from within and outside the entire project.

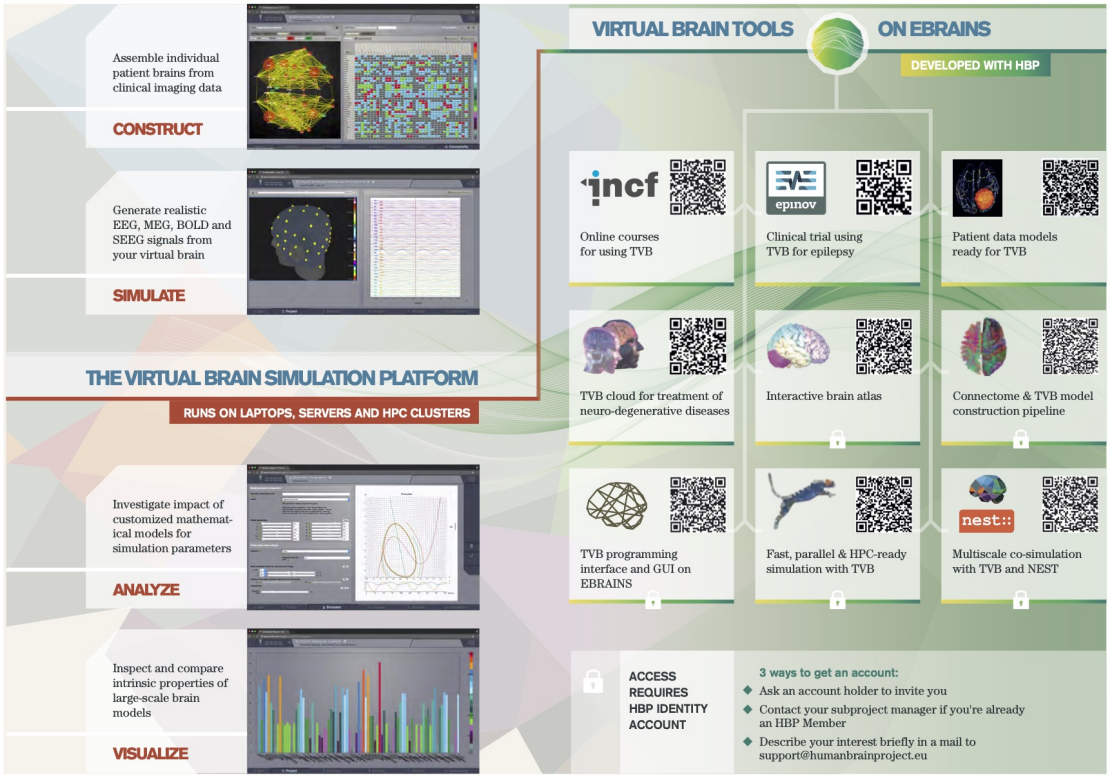
Read more about the HBP Summit & Open Day

Research News

Virtual Brain Tools on EBRAINS

The Virtual Brain team is proud to present the results of the last two years of active research in Codesign Project #8 The Virtual Brain.

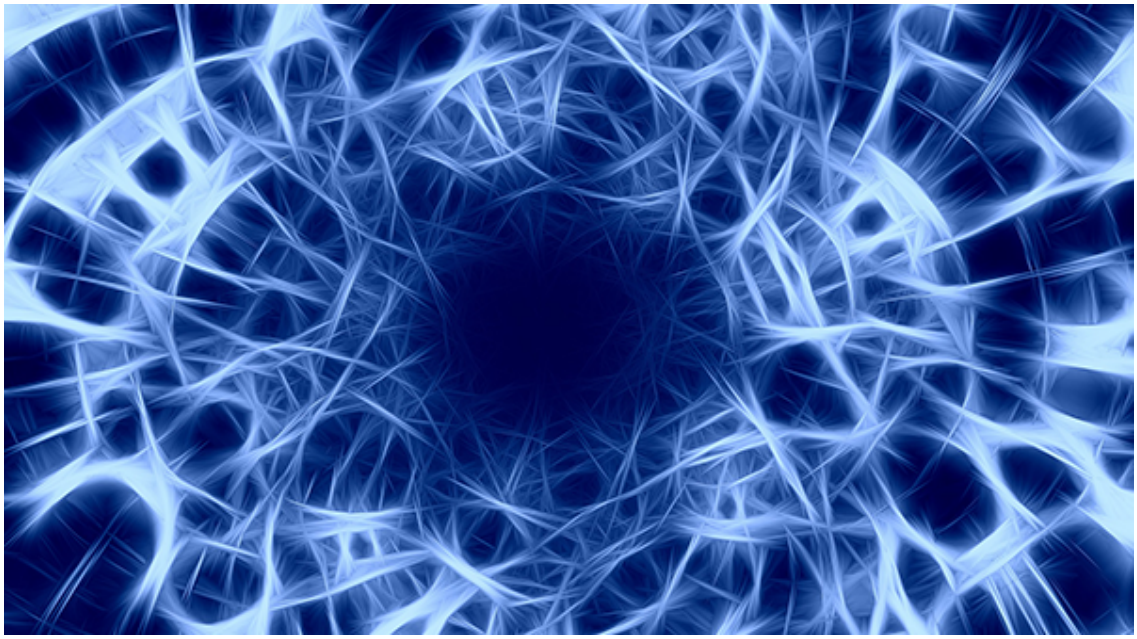
Read more



Real-time cortical simulation on neuromorphic hardware

This is the first example of a real-time simulation being conducted on this model, with 10 seconds of biological simulation time executed in 10 seconds.

Read more

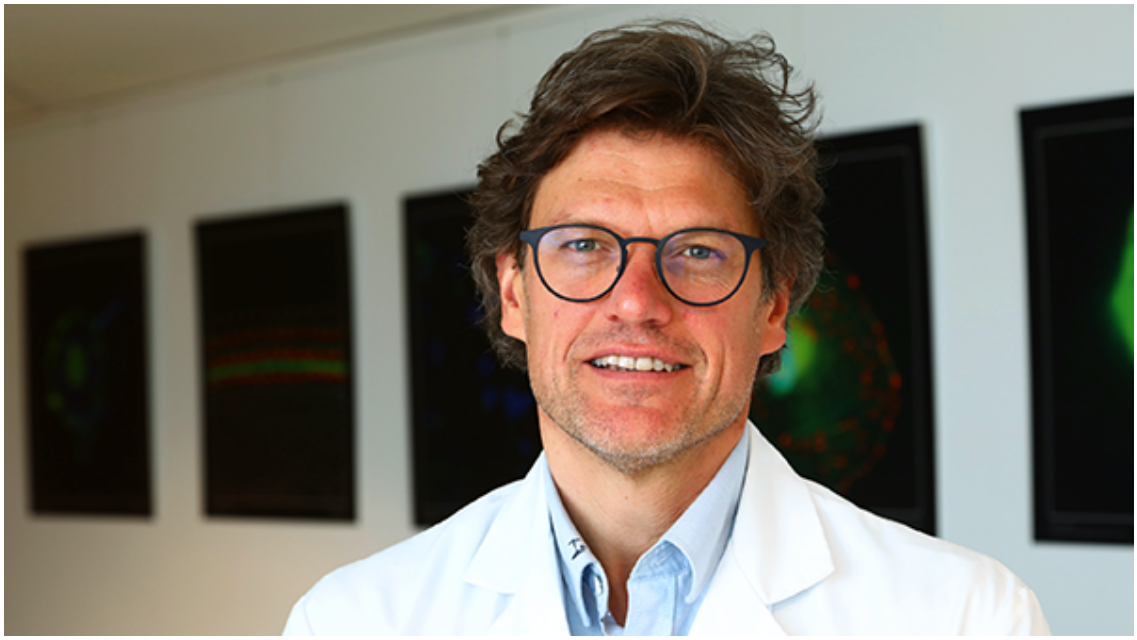


Generet Award for Professor Laureys

The Generet Prize for Rare Diseases has been awarded to Professor Steven Laureys. The prize, worth one million Euros, rewards his research on altered states of consciousness caused by serious brain damage.

Read more:

- English
- French
- Dutch



Watch the Prix Generet 2019 video from the King Baudouin Foundation

AstraZeneca Award for Dr. O. Gosseries

Dr. Olivia Gosseries has received the AstraZeneca Foundation Award for her research on comas.

Read more (French)

Photo © Liège Université

Near-Death Experience as a Probe to Explore (Disconnected) Consciousness

The scientific investigation of NDEs challenges our current concepts about consciousness, and its relationship to brain functioning.

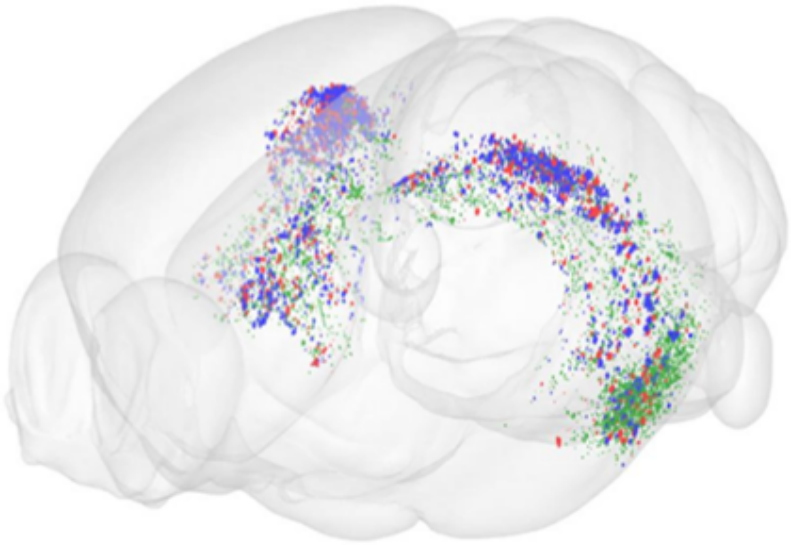
Read more

QUINT: New workflow for registration and analysis of experimental 2D image data to brain atlases

The development of the workflow marks an important step towards integration of

many reference datasets in unified rodent HBP atlases.

Read more



Project News

HBP exhibition presents “Fascination Brain” in the state parliament of North-Rhine Westfalia

The exhibition "Fascination Brain - the Human Brain Project" provides an insight into the research of the HBP and explores the close interplay of neuroscience and technology development with regards to the HBP's new research e-infrastructure, EBRAINS.

Read more

Graphene, Quantum, and the Brain: Put them together and what do you get?

Deep Tech EU at MWC Barcelona!

The MWC in February will feature a pavilion showcasing the large-scale innovation initiatives of the European Commission.

Read more

DEEP TECH EU

GRAPHENE FLAGSHIP

Human Brain Project

QUANTUM FLAGSHIP

BATTERY 2030+

GSMA

Funded by the European Union

Human Brain Project / EBRAINS: Call for Proposals for European Neuroscientists at Large for Using ICEI e-Infrastructure Resources

European neuroscientists are invited to submit proposals for using these resources for research on topics in the broader scope of the HBP.

Read more

International Brain Initiative: An Innovative Framework for Coordinated Global Brain Research Efforts

The International Brain Initiative (IBI) has been established to coordinate efforts across existing and emerging national and regional brain initiatives.

Read more

See the International Brain Initiative website

What's new with the Medical Informatics Platform (MIP)?

- The MIP is now installed in 24 hospitals across Europe
- Tailor-made experiments are now possible thanks to the integration of Galaxy in MIP version 5.0

Read more

Brain Simulation Platform News web page launched

This new web page aims to update you with regular news from the Brain Simulation Platform: new use cases, features, and tools. The page will also highlight relevant publications and workshops.

See the new web page

Fenix webinar series kicked-off

This webinar series aims to inform the audience of what the Fenix infrastructure has to offer to its users and how to use the available resources. The 4th Fenix Webinar, titled “How to make best use of ICEI storage resources”, will be held on Tuesday, March 10 at 15:00 CET.

Find out more

HBP in the Media

Cadence Academic Network (USA): 1M Processors to Model the Human Brain

Watch Steve Furber discuss how Cadence tools were used to design the chips and boards of the SpiNNaker machine in this promotional video by Cadence.

Zeit Online (Germany): Think better in a network

OECD Forum (Switzerland): New Frontiers of the Mind: Enabling responsible innovation in neurotechnology

HPC Wire: What's New in HPC Research: Gravitational Lenses, the Human Brain Project, Biofuels & More

Singularity Hub (USA): Decoding the Brain Goes Global With the International Brain Initiative

VDI nachricten (Germany): Faszination Gehirn – das Human Brain Project

SciencePost (France): Voici BigBrain, l'atlas 3D le plus précis du cerveau!

Upcoming Events

Human Brain Project Summit & Open Day

3 - 6 February 2020

Athens, Greece

The HBP Summit & Open Day will explore multiple dimensions of neuroscience, including infrastructure, research, technology, application, education, and innovation.

Find out more

Human Brain Project & Dutch Neuroscience: Shaping Collaborations

14 February 2020

Amsterdam, Netherlands

In this one-day event, HBP experts and leadership will present EBRAINS and demonstrate the capacities of the underlying HBP platforms.

Find out more

Mobile World Congress

24 - 27 February 2020

Barcelona, Spain

Mobile World Congress is the largest moblie event in the world, bringing together the latest innovations and leading-edge technology alongside today's most influential visionaries.

Find out more

EITN Spring School in Computational Neuroscience

4 - 13 March 2020

Paris, France

The EITN Spring School in Computational Neuroscience consists of a 10-day course in theoretical and computational neuroscience, from cellular to whole-brain levels. The course is structured in thematic days with lectures, tutorials, and project work.

Find out more

NICE 2020

17 - 20 March 2020

Heidelberg, Germany

The HBP Silicon Brains partners will contribute with talks and tutorials to the 2020 Neuro-Inspired Computational Elements (NICE) Workshop.

Find out more

Measuring and modelling brain states

28 - 29 March 2020

Solden, Austria

The final workshop of the 3rd HBP Curriculum Workshops Series invites researchers interested in measuring and modelling brain states at multiple scales.

Find out more

Nest Conference

29 - 30 June 2020

Ås, Norway

The NEST Conference provides an opportunity for the NEST Community to meet, exchange success stories, swap advice, learn about current developments in and around NEST spiking network simulation and its application.

Find out more

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