



Human Brain Project

NEWSLETTER · March - April 2021

Dear Subscribers,

2021 continues to be a busy year for the Human Brain Project and EBRAINS, with upcoming events in April including:

- [The INCF Neuroinformatics Assembly](#), where we will be presenting EBRAINS services with an emphasis on Open and FAIR neuroscience
- [Brain health, the next challenge of the 21st century](#), organised by EBRAINS with the support of The Brussels Times. Make sure you register to attend!

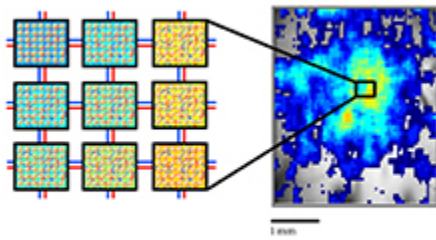
We have also recently published a new showcase press release, '[EBRAINS powers brain simulations to give insight into consciousness and its disorders](#)', which highlights how HBP scientists have used the EBRAINS research infrastructure to develop multi-scale simulations of the human brain that mimic hallmarks of activity during wake and deep sleep states. Such simulations can lead to a better understanding of biological mechanisms that regulate human consciousness and its disorders, which span from single neurons to whole brain scales. We hope you enjoy reading about this fascinating research!

Finally, we invite you to look at our 'Calls for Expression of Interest' section, where you will find many opportunities for research funding. We would like to draw special attention to our 'CEoI: Impact of COVID-19 on brain and mental health' info session, which [you can register for here](#). The session will introduce the application procedure, explain the scope of the Call and give more details about what is especially relevant for the Call. Relevant HBP scientists, as well as the Calls management team, will respond to participants' questions regarding the application procedure and the scope of the CEoI.

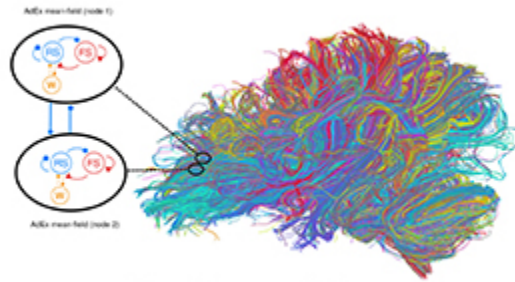
Best wishes,

HBP Communications

SHOWCASE



Synchronized slow waves



Asynchronous state

EBRAINS powers brain simulations to give insight into consciousness and its disorders

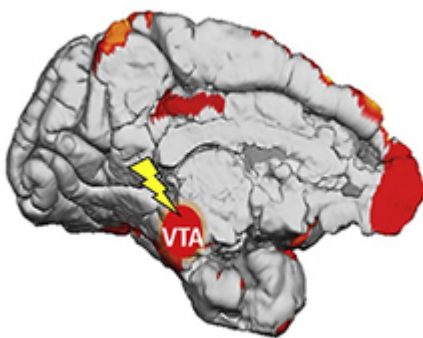
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RESEARCH NEWS



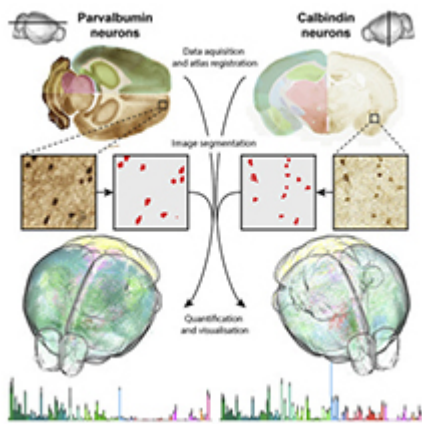
HBP-researchers find new approach for Energy-Efficient AI Applications

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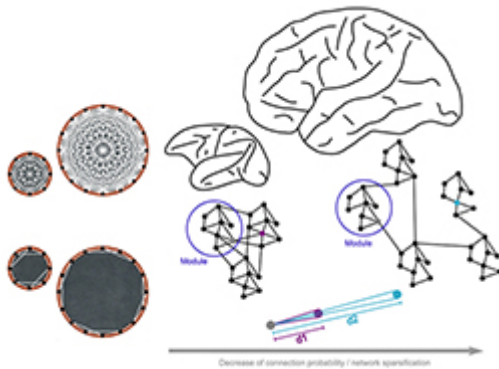
Researchers discover how the brain learns from subconscious stimuli

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Brain-wide, semi-automatic quantification of parvalbumin and calbindin neurons

[Read more](#)



A Connectomic Hypothesis for the Hominization of the Brain

[Read more](#)

PROJECT NEWS



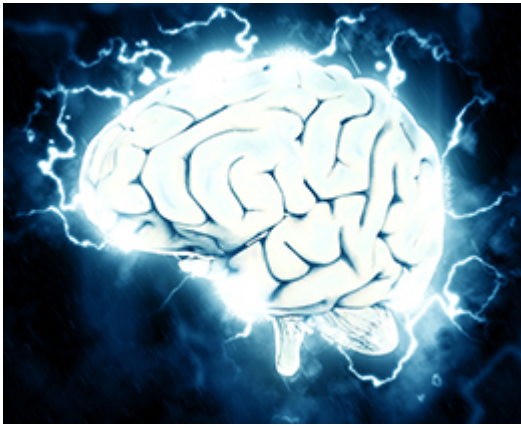
Seven new projects to start on EBRAINS research infrastructure, joining the HBP community

[Read more](#)

EBRAINS AISBL announced as new coordinator of the Human Brain Project

[Read more](#)





More participants for an online survey!

Coma Science Group (GIGA Consciousness, University of Liege) has launched an online survey about a sleep medication and they are looking for more participants. **Everybody can take** this anonymous online survey [via this link](#).



Trust and Transparency in Artificial Intelligence: Opinion from the Human Brain Project

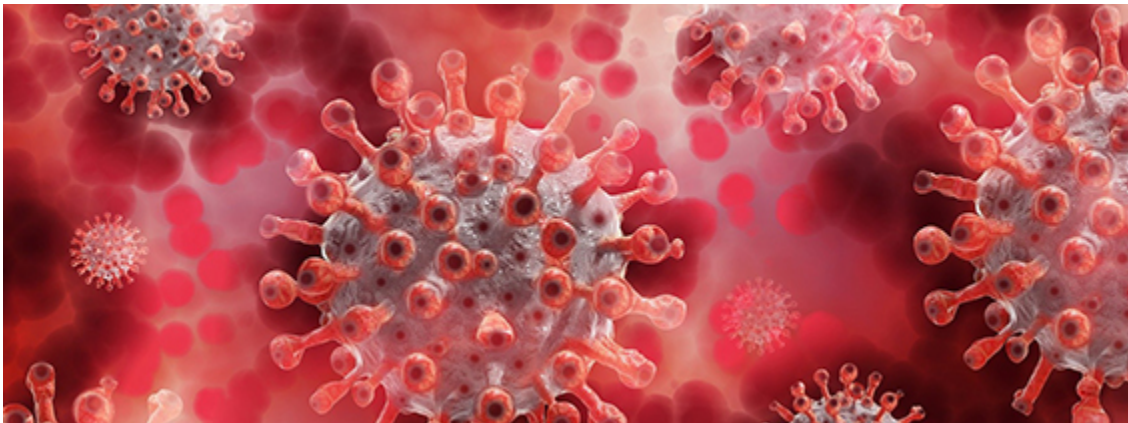
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Two new publications from HBP Partnering Project MULTI-LATERAL

Read [here](#) and [here](#)

CALLS FOR EXPRESSION OF INTEREST



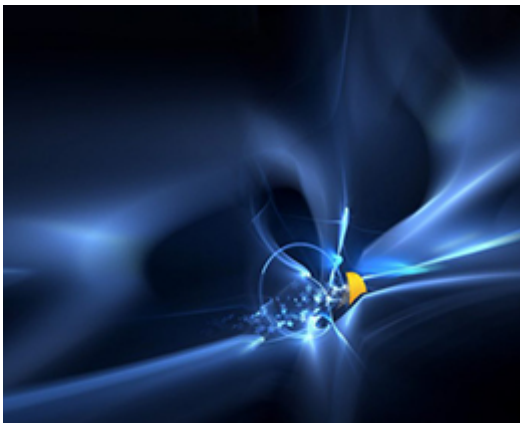
Register for our free info session on the CEoI: Impact of COVID-19 on brain and mental health!

Available budget for the Call: 450 000€

[Register here](#)

CEol: EBRAINS Services for Sensitive Data (EBRAINS SSD)

[Read more](#)



FLAG-ERA Joint Transnational Call 2021

[Read more](#)



Call for EBRAINS Workshop events

The next cut-off date is 20 May 2021.

[Read more](#)



Call for EBRAINS Infrastructure Training events

[Read more](#)



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

[Read more](#)



Fondation Bertarelli Catalyst Fund

This fund is designed to foster innovative research and the development of life-saving treatments for diseases (including rare diseases) affecting the brain, the spinal cord, the peripheral nervous system, and the sensory organs.

[Read more](#)



ERA-NET call for proposals: Multinational and translational research projects on neurodevelopmental disorders

[Read more](#)

HBP IN THE MEDIA

Med Technews: [Scientists develop tool to locate precise area of epileptic seizures](#)

Health Tech World (UK): [Specialist new tool will help surgeons spot epilepsy in the brain](#)

CURE Epilepsy: [New EBRAINS-Enabled Tool to Help Guide Surgery in Drug-Resistant Epilepsy Patients](#)

Lab News (UK): [Ultra-high definition predictive brain tool to guide surgery in](#)

[drug-resistant epilepsy patients](#)

Neuroscience News: [New EBRAINS-Enabled Tool to Help Guide Surgery in Drug-Resistant Epilepsy Patients](#)

Effzett (Germany): [Dem Gehirn auf der Spur](#)

Computer World (Switzerland): [Berner Nervenzellenmodell für bessere KI](#)

EVENTS

[Fenix webinar: “Introduction to the ICEI resources at BSC”](#)

16 April 2021 - 15:00 CEST

[Fenix User Forum Virtual Café](#)

20 April 2021 - 15:00 CET

[Neuroinformatics Assembly 2021](#)

19-29 April 2021 - Fenix/ICEI contribution to HBP virtual booth



EBRAINS

The Brussels Times

[Brain health, the next challenge of the 21st century.](#)

29 April 2021 - 16:00-17:00 CET

Organised by EBRAINS with the support The Brussels Times.

Featuring Paweł Świeboda, Gitte Knudsen, and Pieter Roelfsema

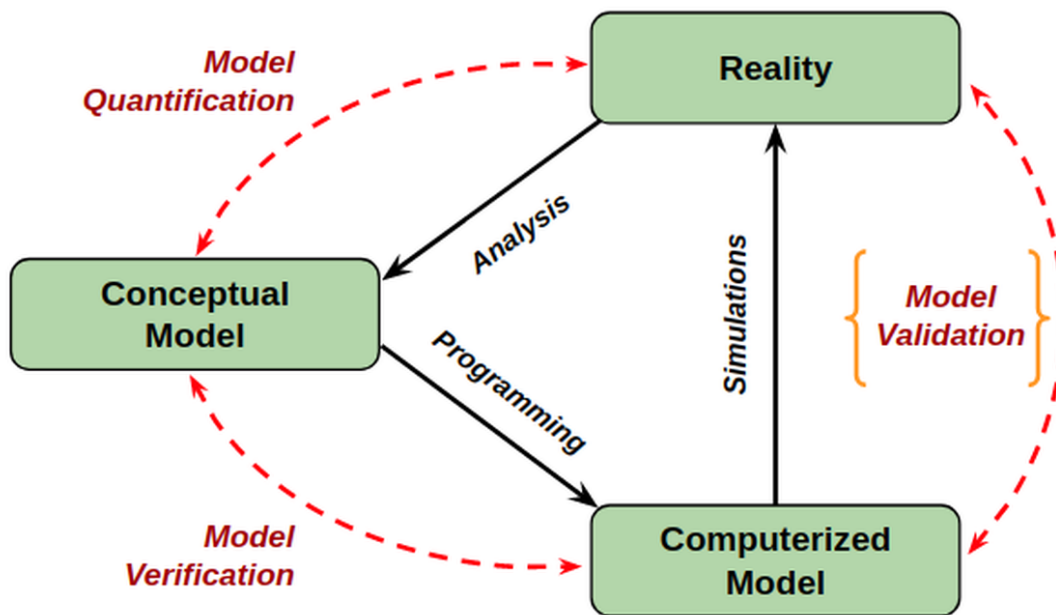


HBP Tea & Slides Session XI

Thursday, 6 May 2021
14:00 – 14:30 (CEST)

[HBP Tea & Slides 11](#)

6 May 2021 - 14:00 - 14:30 CEST - Virtual event

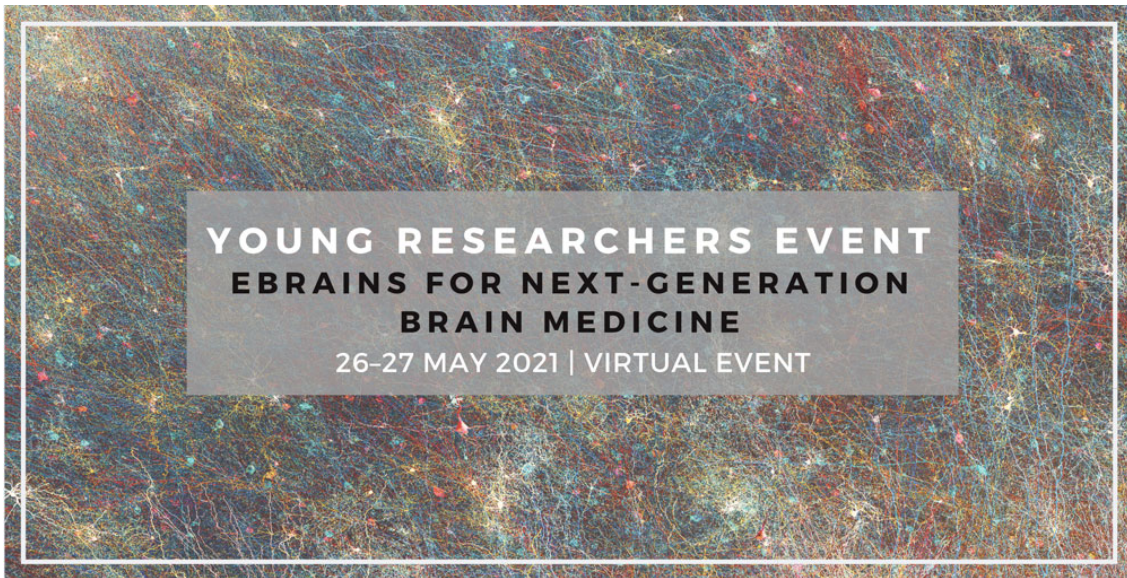


[EBRAINS Infrastructure Training on Model Validation](#)

4-7 May 2021 - Virtual event

[Workshop on "Energy and entropy measures in neural systems"](#)

5-6 May 2021



[HBP Young Researchers Event: EBRAINS for next-generation brain medicine](#)
26-27 May 2021 - Virtual event



[NEST Conference 2021](#)
28-29 June 2021 - Virtual event

JOBS

See more on our [Job Opportunities page](#).

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