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Human Brain Project

NEWSLETTER · February 2021

Dear Subscribers,

February has been a busy month for the Human Brain Project. We would like to take a moment to share some highlights from the past few weeks:

At the beginning of the month we hosted our first-ever virtual HBP Student Conference. Over 250 participants from around the world joined the event to discover a wide range of EBRAINS services and learn about the latest HBP research. We have many more events scheduled for the year ahead which you can learn about in the 'Events' section below.

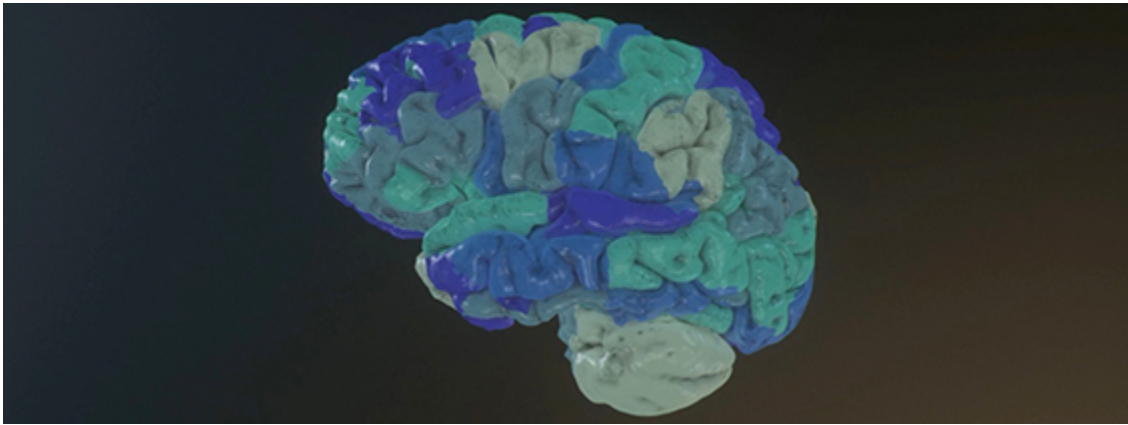
We also recently published our first showcase press release, 'New EBRAINS-enabled tool to help guide surgery in drug-resistant epilepsy patients', which highlights how HBP scientists have made use of the EBRAINS research infrastructure to enhance the accuracy of The Virtual Brain simulator.

In the next few weeks we'll be publishing more showcase press releases on a fascinating array of topics including consciousness, dextrous manipulation, memory, and Big Data, so please keep an eye on our communications channels!

Best wishes,

HBP Communications

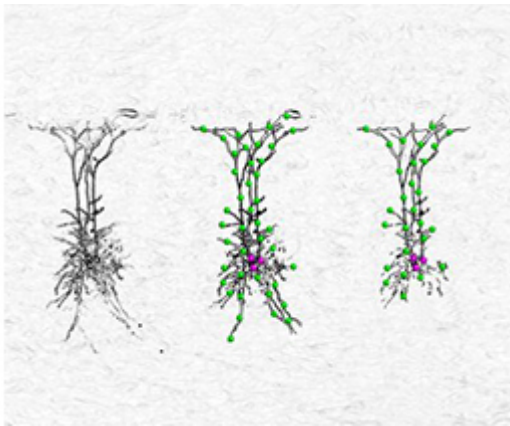
SHOWCASE



New EBRAINS-enabled tool to help guide surgery in drug-resistant epilepsy patients

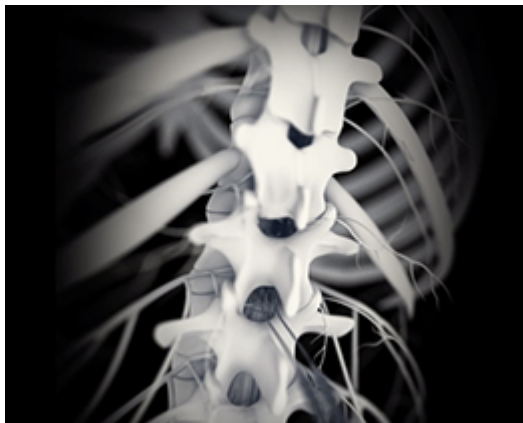
[Read more](#)

RESEARCH NEWS



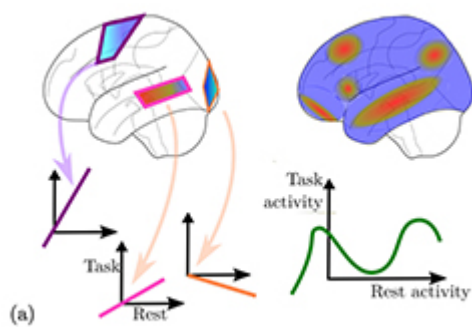
HBP researchers achieve breakthrough in modelling nerve cells

[Read more](#)



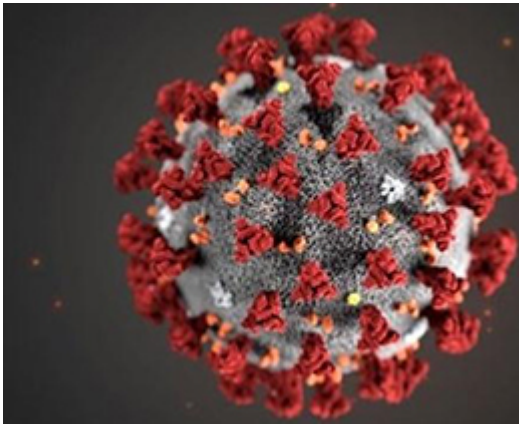
HBP research contributes to new treatment for spinal cord injury

[Read more](#)



Brain topography beyond parcellations: local gradients of functional maps

[Read more](#)



Fenix powers state-of-the-art simulation methods against the SARS-CoV-2 Virus

[Read more](#)



5th HBP Student Conference on Interdisciplinary Brain Research

[Read more](#)



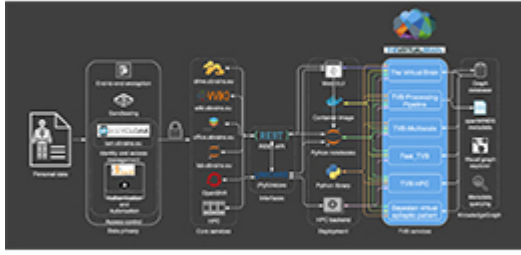
Brain Matters #4 - Brain Simulation Science and Technology: Looking Forward

[Watch webinar here](#)



PREMOS joins EBRA as a new cluster

[Find out more](#)



Brain Modelling as a Service: The Virtual Brain on EBRAINS – Preprint published!

[Read more](#)



BIDS Extension Proposal Computational Model Specifications – Contributions Welcome!

[Find out more](#)

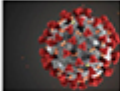


EITN launches YouTube channel!


[Recordings of past workshops can now be watched online](#)

SUCCESS STORIES

Below you can find inspiring success stories of scientific projects that used the Fenix resources to leverage their research.

- 

State-of-the-art simulation methods against the SARS-CoV-2 virus
04 FEB 2021
- 

LearnHPC and the use of the Fenix resources: Elevating HPC training in Europe
16 DEC 2020
- 

ICE/Fenix helps lead Virtual Epileptic Patient model to clinical trial
27 MAY 2020

ICEI/Fenix user success stories

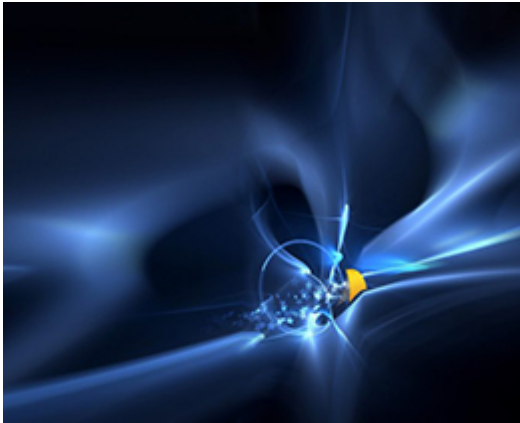
[Read more](#)



1st EBRAINS Infrastructure Training: Tools and Services offered by EBRAINS Computing Services

[Sessions on the Collaboratory, Neurmorphic Computing, and Computing resources are now online](#)

CALLS FOR EXPRESSION OF INTEREST



FLAG-ERA Joint Transnational Call 2021

[Read more](#)



Call for EBRAINS Workshop events

[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](#)

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



HBP Tea & Slides Session IX

Thursday, 4 March 2021
14:00 – 14:30 (CET)

[HBP Tea & Slides IX](#)

4 March 2021 - 14:00-14:30 CET - Online event



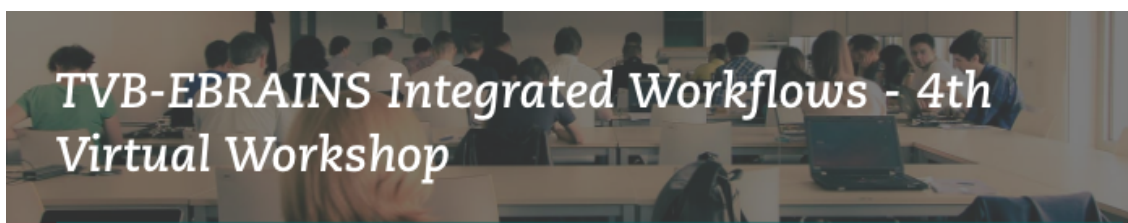
**Workshop on
Multisite recordings and
distributed representations
in the macaque brain**

**Online - Free
March 10, 2021**



[EITN Workshop: Multisite recordings and distributed representations in the macaque brain](#)

10 March 2021 - Online workshop



TVB-EBRAINS Integrated Workflows - 4th Virtual Workshop

[TVB-EBRAINS Integrated Workflows - 4th Virtual Workshop](#)

12 March 2021 - Virtual workshop

NEUROTECH FORUM II

[Neuromorphic Computing Technologies: Opportunities, challenges and Applications Roadmap](#)

15 March 2021 - Webinar

NICE Conference Series

[The HBP neuromorphic compute systems SpiNNaker and BrainScaleS will be presented in remote "hands-on" tutorials and will also be the topic of several talks at the upcoming NICE 2021](#)

16-19 March 2021 - Online event

NICE is an annual meeting of neuromorphic computing experts from around the world, with the newest research in neural algorithms, brain-inspired artificial intelligence, neuromorphic computing architectures and applications of neuromorphic computing all discussed. We will also have several interactive tutorial sessions for some of the largest neuromorphic platforms available to researchers today!

Fifth Biological Diffusion and Brownian Dynamics Brainstorm Meeting

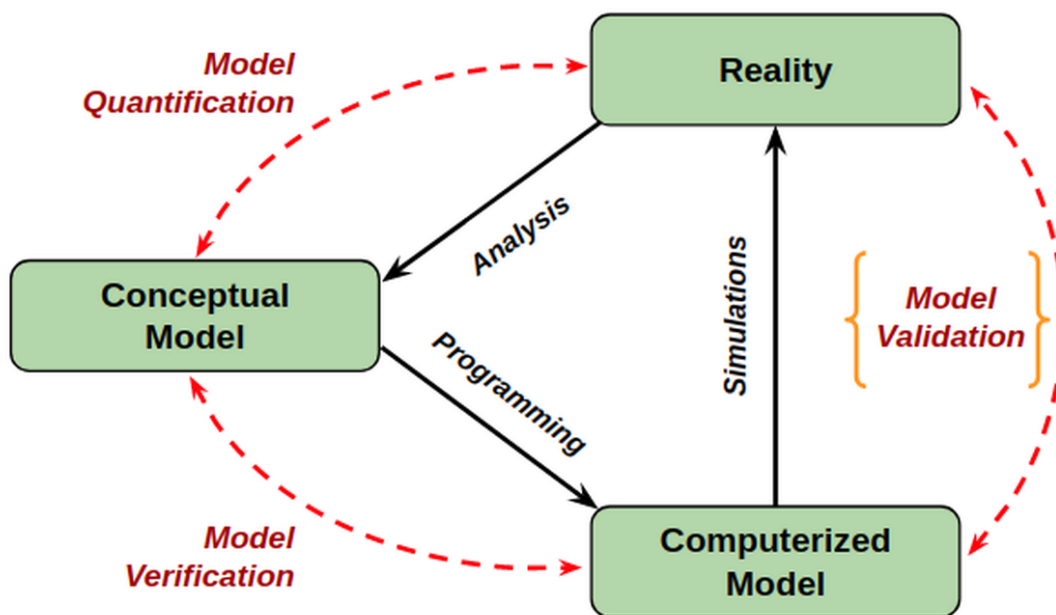
Announcing BDBDB 5

...everything that is living can be understood in terms of the jiggling and wiggling of atoms.

— R. Feynman

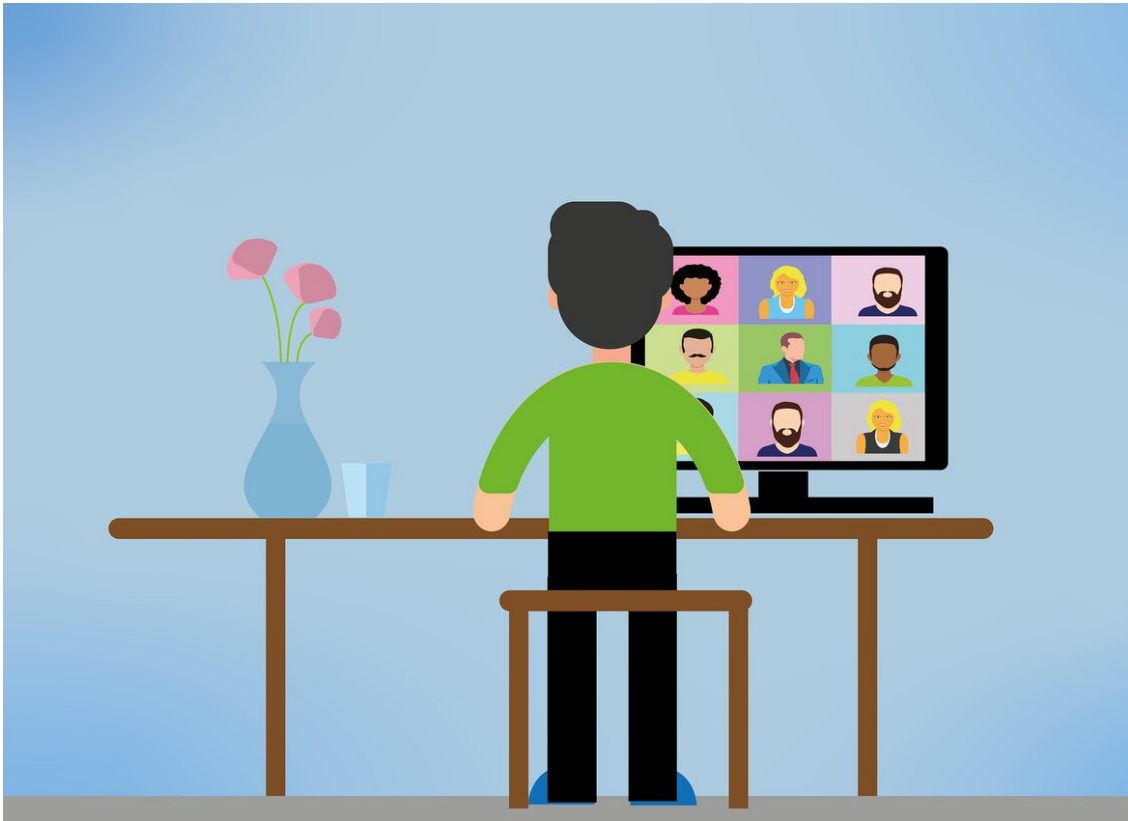
[Biological Diffusion and Brownian Dynamics Brainstorm 5 \(BDBDB5\)](#)

24-25 March 2021 - Online event



[EBRAINS Infrastructure Training on Model Validation](#)

4-7 May 2021 - Virtual event



[HBP Young Researchers Event](#)

26-27 May 2021 - Virtual event



[NEST Conference 2021](#)

28-29 June 2021 - Virtual event

JOBS



Coordinator Software Development - Neuronal Data Analysis Tools

[Find out more](#)



PhD position at the Coma Science Group

[Find out more](#)

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

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