



# Human Brain Project

HBP Newsletter · August 2022

## Top news

### **EBRAINS is part of the consortium selected for European Health Data Space pilot project**

The consortium will aim to address the challenges surrounding access to health data in the EU. [Read more](#)

### **EBRAINS contributes to WHO position paper on brain health**

The document provides a conceptual framework for what brain health is and how brain health can be optimized throughout life. [Read more](#)

### **The second law of thermodynamics inspires the study of the human consciousness**

Researchers of the Human Brain Project have published a study using the principles of the second law of thermodynamics to understand, characterise and model different states of the brain. [Read more](#)

### **A modern synthesis for brain modelling**

Take a look at this interview on multi-scale modelling with Human Brain Project researchers Viktor Jirsa and Egidio D'Angelo. [Read here](#)

### **ICEI resources pave the way for fast GPU simulations of large-scale spiking network models**

Read the success story [here](#). Apply for the computing and storage resources of the Fenix research infrastructure [here](#).

### **EBRAINS Brain Atlas enables researchers to gain a deeper understanding of brain organization**

The study demonstrates a method to unravel structure-function relationships by using the multilevel Julich-Brain Atlas on EBRAINS to bridge the different scales of brain organisation. [Read more](#)

## Events

### **12 September 2022 - Centre de Cultura Contemporània de Barcelona - Human Brain Project: A cartography of the brain**

In this session, the leaders of the Human Brain Project will discuss the key aspects of one of the most ambitious scientific projects of recent times, dedicated to the mapping of the human brain. With Paweł Świeboda, director of the HBP, Egidio d'Angelo, director of the Brain Connectivity Center in Padua and co-director of the HBP, and Mavi Sánchez Vives, ICREA researcher responsible for the research area on networks underlying cognition and consciousness of the HBP brain. [Register here](#)

### **26 September 2022 - Brain Matters Webinar special episode on Alzheimer's with Petra Ritter** More details [coming soon](#).

### **11 October 2022 - EBRA Final Conference**

Collaboration and cooperation in the brain research area remain more important than ever and the EBRA Final Conference will be a major milestone to ensure unification and commitment to the future of brain research in Europe. [Find out more](#)

### **16-18 October 2022 - World Health Summit 2022**

Paweł Swieboda and Petra Ritter will present at this event where science, politics, the private sector and civil society meet for inspiring talks, enhanced cooperations and new solutions. [Find out more](#)

### **24 October 2022 - EBRAINS Side Event at ICFI 2022 (Hybrid)**

### **21 October 2022 - EBRAINS Side Event at ICRI 2022 (hybrid)**

ICRI 2022 is a major event bringing together policymakers, research infrastructure operators and leading scientists from all around the world. The EBRAINS Side event will be an excellent opportunity to present our Research Infrastructure. [Find out more](#)

### **25 October 2022 - Young Researchers Event meets HIBALL in Zadar, Croatia**

In conjunction with the 6th HIBALL BigBrain Workshop. [Register here](#)

### **7-10 November 2022 - Simulate with EBRAINS**

This online workshop aims at giving an overview of how to simulate with EBRAINS, from the infrastructure level to simulations at multiple scales. [Find out more](#)

### **12–16 November 2022 - SfN 2022 in San Diego, USA**

EBRAINS and the Human Brain Project is exhibiting at Neuroscience 2022 that takes place 12-16 November 2022 in San Diego, USA. [Learn more](#)

### **18–20 January 2023 7th and final HBP Student Conference in Madrid, Spain**

[Abstract submission & registration are open!](#)

### **14-16 March 2023 - EBRAINS Workshop: Anatomy and function of the pre-frontal cortex across species in Paris, France**

[Registration is open!](#)

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## Publications

### **Quantization Framework for Fast Spiking Neural Networks**

*Chen Li, Lei Ma, Steve Furber*

[Read the full paper in Frontiers in Neuroscience](#)

### **Perspectives on Data Sharing and the New NIH Policy from the European Union**

*Jan G. Bjaalie, Carole Goble, and Susanna-Assunta Sansone*

[Read more in the Harvard Data Science Review](#)

Read more publications [here](#).

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## Event Recordings

Watch the recording of the 16th Fenix webinar about [“Simulating cellular models with NEURON and CoreNEURON”](#)

Watch previous episodes of our 'Brain Matters' webinar in [this playlist](#).

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## EBRAINS Community

Meet, engage, and network with dedicated members of the EBRAINS Community who share the same field of interest as you! The EBRAINS Community space contains multiple interesting and professional subcommunities, that give you access to community knowledge-sharing and networking. You can find subcommunities within neuroscience, brain medicine, and brain-related technology.

[Join here](#), and start your journey in the EBRAINS Community.



EBRAINS AISBL, Chau. de la Hulpe 166, 1170 Watermael-Boitsfort, Belgium  
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