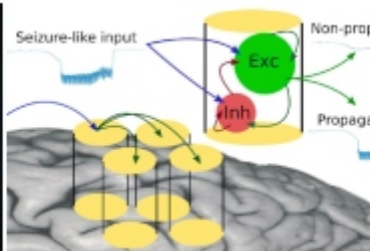




# Human Brain Project

HBP Newsletter · February-March 2023

## Top news



### Human Brain Project launches new podcast

The Human Brain Project is pleased to announce the launch of its new podcast which features in-depth conversations with researchers from the HBP. [Read more](#)

### From the HBP to the ISS

Neuroscientist Raphaël Liégeois - who was involved in the HBP - was chosen by the European Space Agency to go to space. [Read more](#)

### Researchers simulate epileptic seizure propagation in healthy tissue

Researchers of the Human Brain Project have simulated how an epilepsy seizure spreads through healthy tissue in the brain, potentially increasing the precision of virtual predictive tools available to clinicians. [Read more](#)

### Latest article by HBP Scientists published in Cell Reports

The HBP Scientists from WP2 recently published an article titled "Large-scale all-optical dissection of motor cortex connectivity shows a segregated organization of mouse forelimb representations". The all-optical dissection method used in the study allows for large-scale mapping of the connections within the motor cortex, revealing a segregated structure in the representation of mouse forelimbs. [To read](#)

### HBPSC2023 took place in Madrid

From 18-20 January 2023, the 7th HBP Student Conference on Interdisciplinary Brain Research provided an inspiring open forum for collaboration among early-career researchers working in brain and brain-related research. 95 young scientists from 26 countries joined this year's conference, which after two years again took place in person at the Rey Juan Carlos University in Madrid, Spain. [Read the full event recap here.](#)

### A science radio feature about brain mapping is available on NRK EKKO!

Jan Bjaalie, along with Heidi Kleven and Ingrid Reiten from Nevrale Systemer, discussed mapping the brain in the popular science feature. [Listen in Norwegian](#)

### The data mover service enters production

The Data Mover is a software called nodeum developed by MT-C. The goal of this service is to offer the users of the Fenix Infrastructure programmable, high-speed, scalable and secure data movement between Active Data Repositories and Archival Data Repositories. [Read more](#)

### The Brain Scaffold Builder is now available on EBRAINS

You can use the Brain Scaffold Builder to reconstruct realistic neural circuits by placing and connecting fibres and neurons with detailed morphologies or only simplified geometrical features. [Learn more](#)

### TRAINING: New training modules in HBP Ethics & Society training resources

The Human Brain Project's Capacity Development Committee works to provide researchers who are using the EBRAINS research infrastructure or who work within the Human Brain Project with the skills needed to identify and address ethical, legal, and societal issues that arise from brain research. [Learn more](#)

### FLAG-ERA Joint Transnational Call 2023 – Pre-Announcement

This month, FLAG-ERA will publish information on its fifth Joint Transnational Call for collaborative research projects in synergy with the two large-scale European initiatives: Graphene Flagship and Human Brain Project – EBRAINS. [Read more](#)

# HBP Summit 2023



## Register for the Human Brain Project Summit!

The Human Brain Project Summit will take place in Marseille, France from 28 - 31 March 2023. It provides an open forum for hundreds of researchers, plus policy makers, media and public, to discuss exciting scientific results, the latest developments in the project, and the cutting-edge services and tools available on the EBRAINS Research Infrastructure is a great opportunity to share the latest developments of the Human Brain Project with the community and external audiences. [Register here.](#)

## Satellite Events Day on 27 March 2023

On Monday 27 March, a full day will be dedicated to satellite training sessions. The Satellite Events Day can be visited free of charge, but registration is mandatory. The satellite training sessions include:

- License to Spike – A NEST Desktop and NESTML Workshop
- Simulating complex neurobiological phenomena of human brain function and dysfunction in a data protection compliant environment: EBRAINS Service for Sensitive Data
- Infrastructure Training session: NMC hands on BrainScaleS
- Vast parameter space exploration using L2L on EBRAINS
- The process of integrating your science in an integrated EBRAINS workflow – Presented by the Scientific Liaison Unit of EBRAINS
- Software delivery for the Lab and integration into the EBRAINS software release
- Publishing your research data through the EBRAINS portal
- EBRAINS Medical Data Analytics
- Fenix User Forum meeting – How to make use of the Fenix Infrastructure
- Rodent atlasing tools and QUINT workflow
- EBRAINS Documentation and Tutorial Hands-On Workshop
- WE ARE SCIENCE. Towards a realistic future to enhance inclusion, gender, equality and diversity in science
- The Arbor Simulator
- Standardised Workflows in EBRAINS
- Reconstructing and simulating multiscale brain circuits: workflows and applications to function and dysfunction

[Click here to register for the satellite training sessions](#)

## Events

### February - May 2023 - Human Brain Project Picture Exhibition in Marseille

This exhibition displays a selection of scientific images produced by researchers of the Human Brain Project (HBP) in recent years!

- 27 February - 5 March - Campus Luminy Hexagone
- 7 March - 31 March - Bibliothèque L'Alcazar
- 4 April - 6 May - Brasserie Zoumaï

For more information, click [here](#).

### **20 March 2023 - EBRAINS CoCreate on improved brain disease investigation**

In this CoCreate you will have the opportunity to co-develop roadmaps for improved investigation of brain-related disorders, ultimately leading to understanding the individual case by relating it to experience with patients across Europe. You will become part of a new and growing community of researchers, experts, and stakeholders in multi-disciplinary brain research:

[Learn more](#)

### **Brain Matters Webinar #16 on 8 March 2023**

The next episode of Brain Matters will take place on 8 March 2023 from 16:30-17:30 CET and will feature the following researchers:

- **Timo Dickscheid** (Forschungszentrum Jülich)
- **Tim Salditt** (Georg-August-Universität Göttingen)
- **Katie Borner** (Indiana University)
- **Christian Büchel** (Universitätsklinikum Hamburg-Eppendorf)

The session will be moderated by **Prof. Dr. med. Katrin Amunts**, Scientific Director of the Human Brain Project.

The webinars are hosted on Zoom. Please note that **participation is free but registration is mandatory!**

We hope you will join us for this episode! Make sure to register [here](#).

### **Satellite Events Day on 27 March 2023**

On Monday 27 March, before the HBP Summit, a full day will be dedicated to satellite training sessions. The Satellite Events Day can be visited free of charge, but registration is mandatory.

[Click here to register for the satellite training sessions](#)

### **28-31 March - HBP Summit 2023 - Marseille, France**

The Human Brain Project Summit will take place in Marseille, France from 28 - 31 March 2023. It provides an open forum for hundreds of researchers, plus policy makers, media and public, to discuss exciting scientific results, the latest developments in the project, and the cutting-edge services and tools available on the EBRAINS Research Infrastructure is a great opportunity to share the latest developments of the Human Brain Project with the community and external audiences. [Register here](#).

### **17-19 April 2023 - London, UK - Annual lamBrain Worldwide Conference**

Meet some of the most brilliant minds in the field of Brain Mapping, including the HBP Scientific Director **Katrin Amunts**, who will be presenting the results of the Human Brain Project.

The lamBrain (International Association for Mapping the Brain) conference contains hands-on workshops on tractography and HCP by David van Essen, the architect of the HCP and Michel Thiebaut de Schotten, Editor-in-Chief of Brain Structure and Function, along with a masterclass from **Marsel Mesulam**, one of the founders of cognitive neuroscience, and some of the *most influential language and movement neuroscientists* from the USA and Europe.

Themes include brain mapping, cognitive neuroscience, neuroimaging, language, neuropsychology and AI.

See the entire unprecedented Faculty, download the full program and register at Both in-person and online attendance are possible. For those joining in person, there is the option to attend the **Networking Gala dinner** in the heart of central London on 18 April.

**Abstract submissions are open:** Submit your original work for an oral presentation to be considered for the prestigious Annual lamBrain.org 2023 Prize. The deadline for abstract submission is Wednesday, 15 March, 5 pm GMT. [Learn more](#)

### **15-16 June 2023: Virtual NEST Conference 2023**

The NEST Initiative is excited to invite everyone interested in Neural Simulation Technology and the NEST Simulator to the virtual NEST Conference 2023. 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. We particularly encourage young scientists to participate in the conference! [Register here](#)

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Event Recordings

Watch the **latest episode of Brain Matters "Connectivity concepts in neuronal network modeling"** [here](#)

Watch the 19th Fenix Infrastructure Webinar: "Fenix Data Services: Data Mover and Data Transfer Service" [here](#)

## EBRAINS Community

### Join the EBRAINS Community!

Whether you are looking for other EBRAINS users, would like to engage in research facilitated by the EBRAINS services and tools, or find elements of neuroscience, brain medicine, and brain-related technology interesting, the EBRAINS Community is for you!

[Click here to join the EBRAINS Community.](#)



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