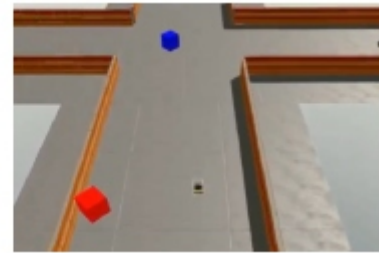
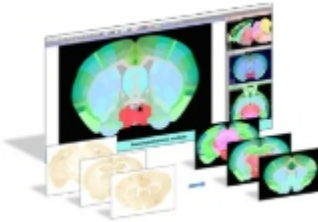




Human Brain Project

HBP Newsletter · June 2023

Top news



Human Brain Project: Study presents large brain-like neural networks for AI

In a new study in Nature Machine Intelligence, researchers Bojian Yin and Sander Bohté from the HBP partner Dutch National Research Institute for Mathematics and Computer Science (CWI) demonstrate a significant step towards artificial intelligence that can be used in local devices like smartphones and in VR-like applications, while protecting privacy. [Read more](#)

Implementing Responsible Research and Innovation in the Human Brain Project

Attention to ethical and societal issues have been an important and integral part of the Human Brain Project. [Read more](#)

Listen to the entire Human Brain Project Podcast series

The nine episodes cover a range of topics, including artificial intelligence, consciousness, and brain mapping. [Read more](#)

A brain model learns to drive

Researchers have mimicked the human hippocampus to improve autonomous navigation. [Read more](#)

Final Human Brain Project Summit closes with a vision for the future of digital brain research

Almost 700 researchers from 27 countries met in the picturesque city of Marseille, France, to discuss the current state and the future of digital brain research at the final Human Brain Project Summit. [Read more](#)

Innovation awards at the HBP Summit honour science to help patients

The innovation evaluation committee emphasised: “The innovations we selected all had high societal impact, and this impact could not have come about if the work was not of very high quality.” [Read more](#)

New Unified Mouse atlas from the KIM lab is now available in the EBRAINS QuickNII image registration tool

The EBRAINS atlas registration tool QuickNII now incorporates a new mouse brain atlas, providing the community with new opportunities for analysis of their rodent image data in atlas space. [Read more](#)

NEST3.4 has been released

This release contains bug fixes and improvements. Most notably it reorganizes the documentation to improve findability of different topics, both in the source on GitHub and on Read the docs. [Find out more](#)

Neuroscience, computing, performance, and benchmarks: Why it matters to neuroscience how fast we can compute

At the turn of the millennium the computational neuroscience community realized that neuroscience was in a software crisis: software development was no longer progressing as expected and reproducibility declined. [Read more](#)

Spike rates of frontal eye field neurons predict reaction times in a spatial attention task

Which neuronal signal(s) predict reaction times when subjects respond to a target at covertly attended locations? Although recent studies showed that spike rates are not predictive, it remains a highly contested question. [Read more](#)

ICEI Project Releases Whitepaper Summarizing Current Fenix Resources and Services

The EU-funded Interactive Computing E-Infrastructure for the Human Brain (ICEI) Project has launched a whitepaper entitled “Fenix e-infrastructure service provisioning – lessons learned” that summarizes current Fenix resources and its services. [Read more](#)

BrainScaleS provided hands-on tutorials at the NICE 2023 in San Antonio
See the tutorials [here](#).

Events

23 June 2023 - Virtual EBRAINS Café

The EBRAINS Community Cafés connect smaller groups of participants with a common interest to discuss a specific topic or meet an interesting person in a “café” style discussion in an informal way.

- On 23 June from 13.00 to 14.00 hrs with Prof. Dr. Katrin Amunts.

Join us for a unique opportunity to expand your knowledge and be part of a vibrant community. Participation is upon registration which is free of charge. [Please register here.](#)

20-29 September 2023 - EITN Fall School in Computational Neuroscience 2023 - Paris

10-day course in theoretical and computational neuroscience. The course is structured in thematic days with lectures, tutorials, and project work. A complete program:

- Cellular models, and models of brain signals
- Circuit models and networks
- Mean-field models
- Whole-brain models

This training has a limited capacity of 20 students, therefore a selection will be performed by a scientific organizing committee.

Send your application by email at eitn@services.cnrs.fr. Applications are open until 30 June 2023.



EBRAINS AISBL, Chau. de la Hulpe 166, 1170 Watermael-Boitsfort, Belgium
Click [here](#) to unsubscribe or to change your Subscription Preferences.