



HIBALL
HELMHOLTZ International BigBrain
Analytics & Learning Laboratory

BigBrain Workshop 2022
From microstructure to functional connectomics

Zadar, Croatia
25 – 27 October 2022



We are pleased to announce the

6th BigBrain Workshop: From microstructure to functional connectomics

as an in-person event taking place on **October 25-27, 2022** in **Zadar, Croatia**

With this workshop we reach out to the international community of BigBrain users and invite researchers from our global network (and beyond) to present their work and to discuss future prospects of the BigBrain data and tools, in particular exchange views on how to better leverage high performance computing (HPC) and artificial intelligence (AI) to create multimodal, multiresolution tools for the high-resolution BigBrain and related datasets. We are proud to announce **Mu-ming Poo** and **Ivica Kostović** as our keynote speakers.

For more information and registration: <https://go.fzj.de/BigBrainWorkshop2022>

We are pleased to announce already that the BigBrain Workshop will be held in conjunction with the Autumn **HBP Young Researchers Event**, taking place as a full day event on **October 25**, on-site at the conference venue.

Call for Contribution

The workshop will be organized as a symposium, with both invited speakers and contributed talks as well as a poster and demo session. We welcome short abstracts of current work and/or short proposals for future initiatives related to the BigBrain or similar data. The topics to be considered will include:

- Methods and algorithms to analyze the BigBrain and related data, especially (but not necessarily) concerning repair and preprocessing
- registration
- segmentation and mapping of cortical layers, areas, and subcortical structures
- visualization and annotation tools
- deep learning and machine learning approaches
- modeling and simulation
- HPC aspects of managing, storing and processing big data (high resolution and/or very large volume)
- Studies and teaching activities around the BigBrain

Important dates

- Registration deadline including accommodation at the conference venue: July 20, 2022
- Registration deadline: September 25, 2022
- Abstract submission for talks: September 27, 2022
- Abstract submission for posters: October 11, 2022
- Upload of camera-ready posters: October 18, 2022

Organizing Committee

Montreal Neurological Institute

McGill University Montreal

Alan C Evans

Paule-Joanne Toussaint

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Local Organizing Committee:

Croatian Institute for Brain Research

School of Medicine University of Zagreb

Goran Sedmak

Andrija Štajduhar

Tena Popović



Please contact the program committee if you have any questions. We will continuously update the information on the [website](#) and also share information via Twitter ([@BigBrainProject](#)) and e-mail.



www.bigbrainproject.org

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