Contribution ID: **45**   Type: **Hands-on session**

BigBrain data processing with CBRAIN

Monday 9 September 2024 13:00 (1h 30m)

CBRAIN is a web portal that provides seamless access to high-performance computing clusters, and is a component of the NeuroHub ecosystem of neuroinformatics tools. This hands-on, interactive tutorial will cover the main functionalities of CBRAIN for the processing and management of data, illustrate them on BigBrain data, and demonstrate their interaction. Practical examples using scientific tools in CBRAIN will be covered along with how to access BigBrain-related datasets in various repositories.

**Expected learning outcomes: **

In this tutorial participants will learn how to access and use CBRAIN to access and process BigBrain data on HPC resources through an easy-to-use web portal. Specific topics covered will include:
* Working with data and files in CBRAIN
* Finding BigBrain datasets
* Processing BigBrain datasets with scientific tools
* Exploring and working with processing results
* Downloading and sharing the results

Presenter: CARON, Bryan (NeuroHub, McGill University)

Session Classification: Hands-on Session 2