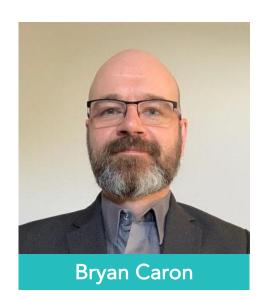
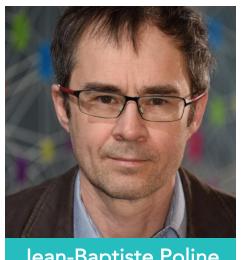


Introduction



Co-PI, NeuroHub Director, Operations and Development



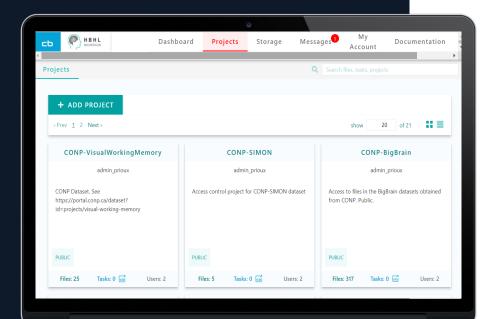
Jean-Baptiste Poline

co-PI, NeuroHub, **Associate Professor**

What is NeuroHub?



Multi-modal data management





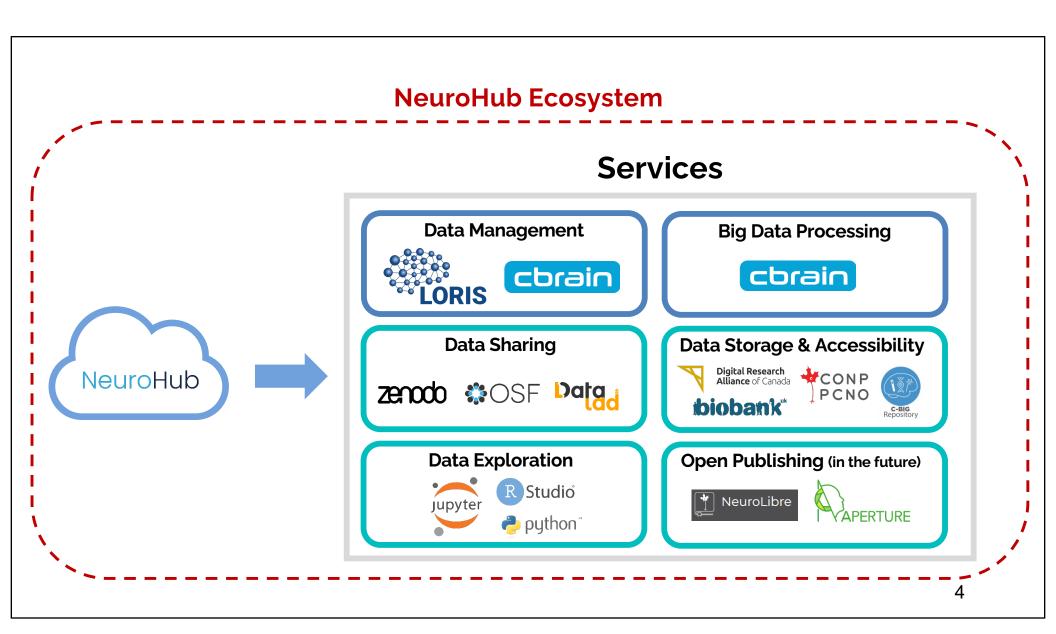
Data Storage & secure sharing with collaborators



Dataset Access via a simple web UI



Analyze data more efficiently and reproducibly



NeuroHub Ecosystem Features



Easy-to-use interface and rich API



Securely store and share data



Access to high performance computing



Access large international datasets

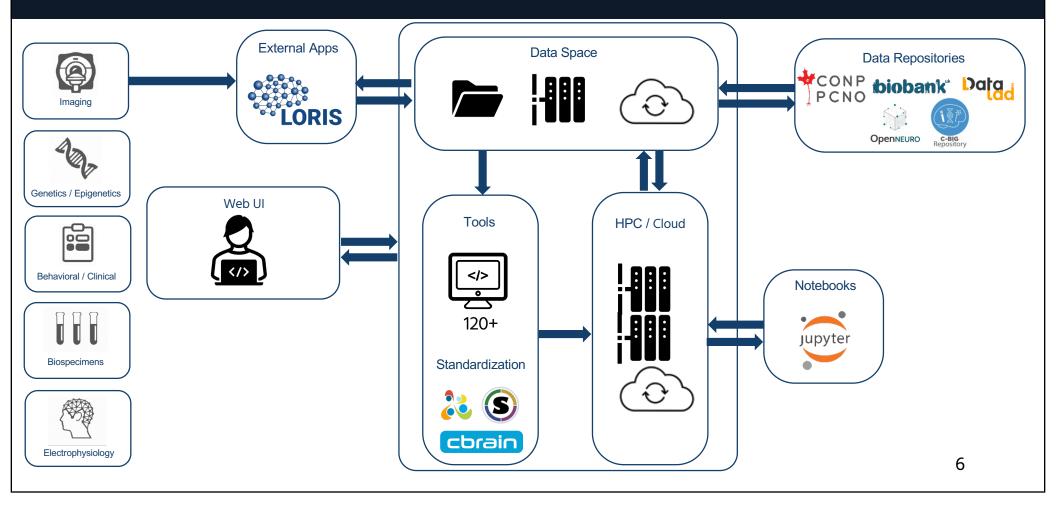


Capture and curate multi-modal data



Sample level data with NeuroBagel

Big Data Processing



Range of Service Models



Simple data sharing, analysis & collaboration

Storage & sharing of data (limited)

Access international datasets

120+ computational pipelines

Publish open data



Small-scale data management & analysis



Data management for multiple clinical projects

Custom tools and pipelines

Enhanced storage and compute

Data standardization expertise



Large-scale data management & analysis



Multi-site, multi-modal data management software

Access to a large library of modules and instruments

Customization services

Dedicated project management and support

Sample Level data with NeuroBagel



Conclusion



Big Data



Big Computation



International Collaboration



Interdisciplinary Health Research

Infrastructure and services for accomplishing science



NeuroHub provides key services for reproducibility and interoperability

- Components, such as CBRAIN, are completely general and can be used beyond brain science
- Since launching in 2020:
 - 300+ NeuroHub Portal users
 - 400+ attendees at NeuroHub training events
 - 100+ published research outcomes using the platform





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