

Symposium of the Center for Network and Storage Enabled Collaborative Computational Science



Contribution ID: 15

Type: **Presentation**

Brain-Life: Engaging neuroscience workforce in big data and reproducible research.

Thursday 18 May 2017 16:30 (30 minutes)

Neuroscience is engaging at the forefront of science by dissolving disciplinary boundaries and promoting transdisciplinary research. This is a process that, in principle, can facilitate discovery by convergent efforts from theoretical, experimental and cognitive neuroscience, as well as computer science and engineering. To assure the success of this process the current lack of established mechanisms to guarantee reproducibility of scientific results must be overcome. Promoting open software and data sharing has become paramount to address reproducibility. This project addresses challenges to neuroscience reproducibility by providing integrative mechanisms for publishing data, and algorithms while embedding them with compute resources to impact multiple scientific communities.

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Session Classification: Science Use Cases

Track Classification: Science Use-Cases