Full-time Postdoctoral Fellowship in iEEG Studies of Exploration and Memory
Northwestern University Feinberg School of Medicine

We are seeking a full-time postdoctoral fellow to conduct cutting-edge cognitive neuroscience research under the direction of Dr. Donna J. Bridge. The research focus will involve intracranial EEG studies of hippocampal activity during memory formation in individuals with chronically-implanted or temporarily-implanted depth electrodes for seizure monitoring and non-invasive neuroimaging studies of human memory in healthy adults. These studies link eye movements and other behavioral measures during completion of sophisticated memory tasks to dissect memory processes and associated neural mechanisms. A major goal is to understand how the hippocampus memory system is involved in active exploration during learning, and is currently supported by two NIMH grants.

The postdoctoral fellow will be a member of the Laboratory for Human Neuroscience (www.lhn.northwestern.edu), a dynamic laboratory with multiple postdocs and neuroscience graduate students. The successful candidate would be encouraged to create his/her own project using any of the available resources in the laboratory, including:

- Hippocampal ECoG/sEEG systems integrated with eye-tracking from human epileptic patients
- 3 SR Research Eyelink 1000 eye trackers
- 2 research-dedicated PRISMA MRI scanners
- 64-channel scalp EEG system
- 2 MRI-navigated MagVenture TMS systems

The Northwestern University Feinberg School of Medicine is a large academic medical center in the heart of downtown Chicago. It is home to a vibrant neuroscience community, structured around a multi-departmental neuroscience program that is home to five NIH-sponsored training programs (www.nuin.northwestern.edu).

Positions require a Ph.D. or M.D./Ph.D. in a neuroscience-related field, broadly specified. We are seeking candidates with strong computational abilities, experience in EEG or fMRI data analysis, and excellent written and verbal communication abilities.

To apply, please send a cover letter, C.V. (or NIH-style biographical sketch), and the names of at least three individuals who could provide references if required.

Contact name: Donna J. Bridge
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