



LABORATORY FOR HUMAN NEUROSCIENCE

Full-Time Postdoctoral Fellowship Northwestern University Feinberg School of Medicine

One full-time postdoctoral fellowship is available in The Laboratory for Human Neuroscience, directed by Dr. Joel Voss (www.lhn.northwestern.edu). The research focus for this position is the effects of transcranial magnetic stimulation (TMS) on cortical networks of the human hippocampus and their contributions to learning and memory. The successful candidate would work with a large, longitudinal fMRI and DTI dataset collected in multi-week TMS experiments, including both young and elderly adults (supported by NIH grants R01MH106512, R01MH111790, and R01AG049002). The successful candidate would also be encouraged to develop an independent research focus, using any of the resources available to the laboratory, including:

- MRI facility with two PRISMA scanners (www.cti.northwestern.edu)
- Stand-alone high-density EEG and EyeLink eye-tracking systems and identical systems in MRI scanners
- Two MRI-navigated MagVenture TMS systems
- Hippocampal ECoG/sEEG systems integrated with eye-tracking from human epileptic patients
- Research registry of individuals with circumscribed neurological injuries

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 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.

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