Electrophysiology of Human Memory

The Lega Computational Memory Lab, in the Department of Neurosurgery, at UT Southwestern Medical Center in Dallas (https://www.utsouthwestern.edu/labs/lega/), is seeking applicants for postdoctoral fellowship positions studying the electrophysiology of human memory encoding and retrieval in patients with intracranial electrodes. Potential research projects include applications of machine learning algorithms to prediction of memory performance, analysis of single unit data recorded from human subjects, special navigation studies, and joint EEG-fMRI investigations including default mode network activity and other measurements of connectivity. These projects are funded by several sources including an NIH R01.

Candidates must have a PhD or MD degree and should have an established background in either fMRI, signal processing, or rodent electrophysiology. The individual selected for this position will be involved in aspects of several ongoing projects in the lab and be encouraged to develop additional independent projects based on interest. An ability to coordinate multiple on-going projects and work independently in a collaborative clinical-basic science environment is ideal.

The Lega Lab offers an unmatched pipeline for data acquisition, processing, and rapid analysis with state of the art computing resources and fruitful collaborations with faculty from Neuroscience, Radiology, and Cognitive Science. Applicants should send a CV to sarah.seger@utsouthwestern.edu.

*UT Southwestern Medical Center is an Affirmative Action/Equal Opportunity Employer. Women, minorities, veterans and individuals with disabilities are encouraged to apply.*