

Postdoctoral Fellowship and Research Associate Positions in Neuroimaging in Pain Research

Stanford Systems Neuroscience and Pain Lab

Division of Pain Medicine

Department of Anesthesiology, Perioperative and Pain Medicine

Stanford University School of Medicine



Program Description:

Dr. Sean Mackey's Systems Neuroscience and Pain Laboratory at Stanford University, in close collaboration with Dr. Gary Glover (Director of the Stanford Lucas Imaging Center) and Dr. James Gross (Psychology), is currently accepting applications for a postdoctoral research fellow and/or research associate to advance research on cognitive neuroscience and chronic pain using functional magnetic resonance imaging (fMRI) of the human brain, brainstem and spinal cord. Additionally, the lab has had a growing focus in machine learning techniques applied to neuroimaging, psychophysics and genetics. While the primary application of this NIH P01 funded position is to support neuroimaging aspects of characterizing chronic pain and treatment effects, the candidate will be directly interacting with a large and growing group of interdisciplinary Stanford researchers involved with multiple studies involving acute and chronic pain including: real-time fMRI control of brain activity, spinal cord fMRI, neuroimaging based pain biomarkers, pharmacologic fMRI, individual difference in pain and cognitive/affective dimensions of pain.

Qualifications:

Applicants should have (or anticipate having) a Ph.D. and research background in Cognitive Neuroscience, Neurophysiology, Neuropsychology, or related fields. Individuals with backgrounds in Electrical Engineering, Physics, Mathematics, Computer Science or similar fields and a strong interest/background in Psychology and human neuroimaging are also encouraged to apply. Applicants should be experienced at designing and implementing cognitive neuroscience experiments. Preferences given to candidates who have experience with conducting fMRI studies, working with MRI scanners, processing MRI and fMRI datasets, and running neuroimaging data analysis using software packages, such as Matlab, SPM, FSL E-Prime, and AFNI. Applicants should also possess strong interpersonal skills and be able to work independently with minimal supervision.

The postdoctoral fellow will be responsible for conducting ongoing imaging projects, analyzing neuroimaging data, as well as planning and conducting future studies. Duties will also include manuscript preparation, and management of research assistants. The most successful applicants will have a demonstrated interest in pursuing publication and grant opportunities. Facilities include research-dedicated 1.5T, multiple 3T, and 7T full-bore MR scanners, as well as near-infrared spectroscopy and transcranial magnetic stimulation. Salary commensurate with experience. The Division also has an NIH T32 that allows the candidate to apply for independent funding if desired. More information about our ongoing studies can be found on the web pages: <http://snapl.stanford.edu>

Applications:

To apply, visit <http://snapl.stanford.edu/postdoc> for the T32 Fellowship Application Instructions

Applications are due by May 1st, 2014

Applications will continue to be accepted past the deadline, but will be subject to availability of alternate funding mechanisms – for thorough consideration, apply as soon as possible.

