

Stanford University

Postdoctoral Fellow Positions in Neuroscience/Neuroimmunology

The appointments will be full time with up to 3 years of funding.

We have two postdoctoral openings for highly motivated researchers to join the research laboratory of Dr Gary Steinberg. The research focus of the lab is to understand and enhance the mechanisms of brain repair in rodent models of stroke with particular interests in stem cells, brain rewiring, and inflammation. The overall objectives of the lab are to investigate the:

- 1) Role of inflammation on brain damage and recovery after stroke and how this is modified by transplanted stem cells
- 2) Mechanisms of brain rewiring after stroke at both the circuit and synaptic level using optogenetics and novel imaging techniques
- 3) Mechanisms of stem cell-mediated brain recovery using genetic mouse models, gene profiling, and gene transfer techniques.

The applicant must have a PhD or MD/PhD in a relevant subject area, be self-motivated, have good communication skills (both oral and written), and the ability to work independently as well as cooperatively with a team. For the stem cell projects, a strong immunology background with an interest in neuroinflammation, and competence in flow cytometry are required. For the optogenetic projects, neuroscience experience particularly in brain injury is desirable. Experience with animal surgery, molecular biology, cell culture, confocal microscopy and optogenetics would be an asset for both projects.

Interested applicants should send a brief description of research interests, technical skill set, and curriculum vitae, including contact information for three references, to Dr Tonya Bliss (tbliss1@stanford.edu) and Dr. Michelle Cheng (mycheng@stanford.edu).