



Stanford
MEDICINE

Radiology

Neuroimaging & Neurointervention

Postdoctoral Fellowship in Noninvasive Neuromodulation via Ultrasound Drug Uncaging

A postdoctoral fellow appointment is available within the group of Raag Airan MD, PhD in the Department of Radiology (Neuroimaging & Neurointervention), the Stanford Neurosciences Institute, and Bio-X at Stanford University. The candidate identified for this fellowship would work on a fully funded project of developing new neurobiological applications and treatments that utilize noninvasive neuromodulation via drug uncaging with focused ultrasound. The candidate would work closely with a team of engineers, physicists, chemists, and clinicians to enable new applications of this novel technology. The candidate would have the opportunity to apply this technique across small and large animal models, and potentially help take this technology through the initial stages of clinical translation.

Key Responsibilities and Tasks

- Implementing small animal models of neurological and psychiatric diseases, including the requisite animal handling and potential surgical interventions that the model entails.
- Collaborating with neuroscience researchers across the Stanford Neurosciences Institute
- Being a local resource for neuroscience within the lab, for other lab members who may not have a deep neuroscience background
- Presenting their work at local and national scientific meetings and publishing the work in top-tier, peer-reviewed journals

Qualifications

- Having a PhD already granted or soon-to-be-completed, preferably in Neuroscience, Biology, or a related field.
- Able to direct their experimental efforts independently
- Strong analytical skills, particular for biological data, including biostatistical analyses in standard software packages (e.g. Excel, MATLAB)
- Strong oral and written communication skills, particularly in English
- Strong interpersonal skills, to work with a team of researchers that span a range of scientific and demographical backgrounds

Interested candidates should send inquiries to Dr. Airan at rairan@stanford.edu. An application for this position would consist of a CV, a personal statement, and contact information for three (3) references. Interviews with candidates will be conducted until the position is filled. This will be a one-year position, with funding for subsequent years to be awarded based on performance. Salary will be commensurate with credentials and experience, and will be in line with other postdoctoral fellow salaries within the Stanford School of Medicine.

More information about the Airan lab can be found at <http://airan-lab.stanford.edu/>

Stanford University is an affirmative action and equal opportunity employer, committed to increasing the diversity of its workforce. It welcomes applications from women, members of minority groups, veterans, persons with disabilities, and others who would bring additional dimensions to the university's research and teaching mission.