



Post-Doctoral Research Scholar position in neuroimaging of mechanisms of depression and anxiety at the Laureate Institute for Brain Research (LIBR) <https://www.laureateinstitute.org>

Position: Dr. Maria Ironside's Mechanisms of Depression and Anxiety Lab (MoDAL) is currently seeking a post-doctoral scholar to be involved in mechanistic studies investigating (1) processes and brain circuits underlying threat sensitivity as a targetable process in depression, anxiety and comorbid depression and anxiety, using a pharmacological probe and (2) acute effects of non-invasive brain stimulation on threat sensitivity in comorbid depression and anxiety. This post-doctoral position provides specialized training and experience in basic experimental studies involving humans, functional magnetic resonance imaging (fMRI) data analysis, and mechanistic research design with the aim of contributing to research to better characterize patients and optimize mental health treatments. A successful candidate will: (1) analyze fMRI, startle EMG, behavioral, and self-report data; (2) work with research participants and LIBR staff; (3) gain experience in the implementation of mechanistic trials; (4) prepare and publish papers, give presentations, and write K-level National Institutes of Health (NIH) grant applications; and (5) progress toward an independent career.

Institute: Located in Tulsa, Oklahoma, LIBR is a privately-funded non-profit clinical neuroscience research institute attached to a major psychiatric hospital (Laureate Psychiatric Clinic & Hospital). Our mission is to reduce the suffering of psychiatric patients by leveraging leading talent and technology to discover novel therapies. LIBR offers excellent training opportunities in a dynamic, interactive, and multidisciplinary environment with a diverse team of collaborators. LIBR is an Equal Opportunity/Affirmative Action employer, compliant with the Americans with Disabilities Act and seeks to hire scholars from a wide variety of backgrounds and is committed to supporting a culture of diversity and respect.

Facilities: A state-of-the-art neuroimaging research environment, including two 3-Tesla MRI scanners (GE Discovery MR750; fully research-dedicated), equipped with blood-oxygen-level-dependent and arterial spin labeling pulse sequencing, a custom-developed real-time fMRI system, an fMRI-compatible electroencephalography (EEG) system, a stand-alone EEG system and other physiological testing systems.

Requirements: (1) Ph.D. in Clinical Psychology, Clinical Science, Developmental Psychology, Cognitive Psychology, Experimental Psychology, Psychiatry or Neuroscience; and (2) a solid foundation in statistics.

Preferred skills: (1) experience analyzing fMRI and/or startle EMG data; (2) experience with fMRI analysis software (FSL, SPM, AFNI and/or fMRIPrep) and scripting; (3) experience with R statistical analysis software.

Salary/Benefits: This is a full-time research position for 2 years with renewable funding up to 3-5 years. A full benefits package is available. We welcome international applicants and can support an H1B visa.

Start Date: Spring 2024.

How to Apply: Interested candidates should email a CV, a brief statement of long-term career goals, and contact information for 3 references to Dr. Maria Ironside, LIBR Principal Investigator: mironside@laureateinstitute.org.