



Postdoctoral Research Scholar using functional neuroimaging to study consciousness

Position: Searching for an innovative postdoctoral scholar with functional neuroimaging experience interested in investigating emotion, consciousness, and the resolution of anxious brain states. Our laboratory uses a host of novel tools including specialized floatation tanks which systematically reduce neural input from the external environment. The float experience is calibrated so that input from visual, auditory, tactile, olfactory, gustatory, thermal, vestibular and proprioceptive channels is minimized, as is most movement and speech. As part of this project, we are looking for a postdoctoral candidate with a strong computational background who will play a critical role in the development and application of different functional neuroimaging methods including functional connectivity, real-time fMRI with neurofeedback, volumetric MRI, task-based fMRI, and psychophysiology. The position offers excellent training opportunities in a dynamic, interactive, and multidisciplinary environment. Mentorship will be provided by a diverse team of researchers that includes neuroscientists, neuropsychologists, psychiatrists, and physicists. The primary mentor will be Dr. Justin Feinstein, and other mentors include Drs. Martin Paulus, Jerzy Bodurka, Kyle Simmons, and Sahib Khalsa.

Institute: Located in Tulsa, Oklahoma (USA), the Laureate Institute for Brain Research (LIBR) is a privately funded nonprofit clinical neuroscience research institute with the mission of reducing the suffering of psychiatric patients by leveraging leading talent and technology to discover novel therapies. The institute houses a state-of-the-art neuroimaging environment devoted only to research. The equipment consists of two 3-Tesla MRI scanners (GE Discover MR750) equipped with a custom-developed real-time fMRI system, a wide selection of receive-only coil arrays for imaging the human brain and spinal cord, as well as the latest high-density 128-channel Brain Products MRI-compatible EEG system.

Qualifications/Requirements: Ph.D. in neuroscience or a related field is required. A successful applicant will be expected to help develop research protocols, conduct fMRI experiments, analyze fMRI datasets, write manuscripts for publication in peer-reviewed journals, and present findings at scientific meetings. Applicants should have a solid foundation in fMRI data analysis, statistics, and computer programming, in addition to familiarity with AFNI, Matlab, FSL, UNIX/Linux environments, and stimulus presentation software. Start date is flexible but preference will be given to candidates who can start this summer.

Salary/Benefits: This is a full-time research position with a minimum 2-year commitment. Salary will be commensurate with the experience of the candidate. A full benefits package is available.

How to apply: Interested candidates should email a CV, a brief statement of long-term career goals, and contact information for 3 references to jfeinstein@laureateinstitute.org