



STANFORD UNIVERSITY SCHOOL OF MEDICINE

## **POSTDOCTORAL FELLOW IN FUNCTIONAL IMAGING CONNECTOMES FOR EMOTIONAL DISORDERS**

We are seeking a well-trained postdoctoral scientist who is motivated to develop and apply expertise in functional connectivity models of mood and anxiety disorders. Especially sought are candidates with expertise in functional connectivity analysis of both resting and task-fMRI data. The candidate will work on a newly commenced Human Connectome Project focused on developing and testing a connectome model of disordered emotional states. In this role, the candidate will oversee the acquisition of high quality human connectome data, and its integration with behavioral and self-report data. Primary aims focus on functional connectivity analysis of resting and task-evoked circuits involved in negative affect, reward, cognitive control and self-reflective functions. Secondary aims focus on integrating functional and structural connectivity data.

There is also the opportunity to jump immediately into the analysis of rich existing datasets, and to drive publications from the outcomes, relevant to developing the scientific foundations for testing the primary Connectome project aims. Along with a deep knowledge of neuroimaging and functional connectivity analysis, familiarity with psychological concepts, cognitive affective neuroscience and/or experience with human subject data is also preferred.

This position is available as part of an NIH-funded “Human Connectomes for Disease” project. It will be based at Stanford, within the William’s PanLab, and work within an excellent and inter-disciplinary team of faculty investigators, postdocs and research coordinators.

### **REQUIRED SKILLS AND EXPERIENCE**

Ph.D. or M.D./Ph.D. in a field(s) relevant to functional neuroimaging and cognitive affective neuroscience, and their clinical applications.

1. High level experience with functional magnetic resonance imaging. Substantial experience with SPM and with functional connectivity toolboxes is desirable.
2. Profound experience in statistical analysis and computational approaches. Experience with R or similar scripting environments is desirable.
3. A demonstrated capacity to drive first author publications.
4. A clear motivation to pursue research in cognitive-affective neuroscience and neuroimaging applied in clinical populations such as depression and anxiety.
5. Self-motivated with a preference for working within an inter-disciplinary, collaborative environment

### **ABOUT THE PRINCIPAL INVESTIGATOR**

The supervising PI for this position is Dr. Leanne Williams. For more information see [her Stanford page here](#). The co-Investigators are Drs. Ian Gotlib, Trevor Hastie, Brian Wandell and Max Wintermark and consultants, Drs. Deanna Barch and Olaf Sporns.

### **APPLICATIONS**

Applications with a cover letter addressing requirements, a resume and at least three referees to [connectomeproject@stanford.edu](mailto:connectomeproject@stanford.edu), with copy to [kgrisanz@stanford.edu](mailto:kgrisanz@stanford.edu).

The position is open until filled. However, because of funding timelines and project milestones we seek to fill this position in 2017.