Human Neuroimaging Postdoctoral Fellow
Neuroinflammation, Pain and Fatigue Laboratory
University of Alabama at Birmingham

Position Summary:

The Neuroinflammation, Pain and Fatigue Laboratory, under the direction of Dr. Jarred Younger, is seeking a Postdoctoral Fellow to manage human neuroimaging projects in chronic disease patients. The projects are funded by the National Institutes of Health (NIH) and Department of Defense (DoD), as well as non-profit institutions. Both magnetic resonance imaging (MRI) and positron emission tomography (PET) projects are involved, though candidates do not need prior experience with PET.

The Fellow will be chiefly responsible for ensuring that the neuroimaging projects are conducted with the highest scientific and ethical rigor. Examples of duties include: supervising data acquisition at the 3 Tesla scanner, overseeing MRI data analysis, writing scientific manuscripts, leading neuroimaging research teams, and mentoring undergraduate and graduate students. The Fellow will also have the opportunity to pursue his or her own pilot projects, and apply for extramural training or project funding.

The position is for one year initially, with two additional years contingent on satisfactory performance.

Minimum Requirements

An advanced research or clinical degree is required for this position. Individuals may have a PhD in Psychology, Neuroscience, Pharmacology, or related fields. Individuals with an MD, DO, ND, or other clinical degree are also eligible to apply if they have significant research experience. Candidates must have experience with human brain MRI studies and a high comfort level with at least one of the major MRI analytic software packages. Most of the MRI work will focus on MR multi-voxel spectroscopy using already-established pipelines.

Other Requirements

Applicants should be comfortable interacting with patient populations on the phone and in-person, as well as working with and leading scientific teams. Possession of unique statistical and data-analytic techniques (e.g., machine learning, analysis of longitudinal data, linear mixed modeling, granger causality modeling) is helpful, but not required. The applicant should have strong leadership, scientific communication (written and oral), organizational, and team-building skills.

About the lab:

We focus on developing new diagnostic techniques and treatments for chronic diseases of the central nervous system. Our primary laboratory techniques include clinical trials of pharmaceutical and botanical treatments, observational analyses of inflammatory disease

mediators, experimental immune provocations with endotoxin and other agents, and neuroimaging (MRI and PET). We emphasize the exploration of inflammatory and neuroinflammatory causes of chronic diseases such as fibromyalgia and chronic fatigue syndrome. More information about the laboratory can be found at:

YouTube: https://goo.gl/S1wFyg
Facebook: https://goo.gl/VyDTQE
Website: https://cas.uab.edu/younger/

To Apply:

Questions about the position can be forwarded to: youngerlab@uab.edu

To submit an application for the position, please submit a CV and statement of interest to youngerlab@uab.edu

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