Postdoctoral Fellow

Neurovascular Plasticity in Spinal Cord Injury

Applied Neuro-Vascular Imaging Lab
Prof. Molly Bright, DPhil
Northwestern University, Chicago, IL

The Applied Neuro-Vascular Imaging Lab at Northwestern University has an opening for a full-time Postdoctoral Fellow to apply advanced MRI techniques to characterize neurovascular plasticity in spinal cord injury. The Fellow will lead the acquisition and analysis of imaging data to study how neurovascular physiology in the brain, brainstem, and spinal cord is impacted by a promising new therapeutic intervention currently being trialed at the Shirley Ryan AbilityLab, the leading rehabilitation hospital in America for over 25 years. This position is for a minimum of 2 years with possibility to extend, with an anticipated start date as early as August 1st, 2019.

Qualifications

Candidates are expected to meet the following essential criteria:

- PhD in biomedical engineering, neuroscience, medical physics, or related field
- Research experience in MRI in humans
- Excellent communication and writing skills in English
- Competence in a high-level programming language (e.g. MATLAB, Python, or similar)

In addition, expertise and interest in some or all of the following is desired:

- Spinal cord imaging
- Pulse programming (Siemens)
- Motor task fMRI
- Neuroimaging analysis tools (e.g. AFNI, FSL, FreeSurfer)

Candidates should also indicate any mentoring, professional development, or outreach activities they have undertaken.

Application Procedure and Deadline

Interested applicants are encouraged to contact Prof. Bright for further information. To apply, applicants should email a CV, cover letter, and contact information for 3 references to:

Molly Bright, D.Phil.
molly.bright@northwestern.edu
brightlab.northwestern.edu

Applications received by **June 17, 2019** will receive full consideration.