Multiple Sclerosis Imaging Fellowship

A three-year postdoctoral fellowship position is available at Barrow Neurological Institute (BNI) working with Drs. Ashley Stokes and Richard Dortch as part of a collaborative effort between the Division of Neuroimaging Research and the Department of Neurology. The purpose of this program is to train a full-time imaging fellow in the area of advanced imaging biomarker development for applications in multiple sclerosis (MS). We have four objectives behind our team-based approach: increase **specificity** of imaging metrics to key features of MS, improve **translation** of methods such that they will touch the lives of patients with MS across the world, **validate** methods to increase clinical confidence and insight, and develop a **comprehensive** evaluation of the disease (brain + spinal cord, degenerative + inflammatory components of disease). Long-term, we aim to develop new imaging biomarkers to improve outcomes for patients with MS.

BNI is the world’s largest neurological disease treatment and research institution, and the Department of Neurology at BNI is a recognized leader in the field. In addition, Barrow is ranked #11 by *U.S. News & World Report* in the neurology and neurosurgery category.

Outstanding imaging resources are available at BNI, including clinical 1.5T and 3T Philips, a research-dedicated Philips 3T, a 7T preclinical Bruker MRI, microCT, microPET, and optical imaging scanners. The Division of Neuroimaging Research has a strong history of imaging excellence and is currently expanding. BNI is a major hub for neuroscience research and a wide range of neurology subspecialties. Barrow Neurological Foundation provides robust philanthropic support exceeding $18M/year, all of which benefits patient care, research, and education at BNI.

Applicants should have a Ph.D. in physics, engineering, or a related discipline. Competitive candidates will have experience with quantitative MRI acquisition and/or analysis. This position is available immediately and offers competitive compensation and benefits.

Phoenix is the 6th largest metropolitan in the United States and the 2nd fastest growing city. Phoenix is a beautiful place to live and work, boasting more days of sunshine and a lower cost of living than most comparable cities. A rich culture can be found in Phoenix, including theatre, concerts, museums, sports, and great food. With a moderate climate most of the year, many Phoenicians enjoy an active lifestyle of hiking, cycling, rock climbing, swimming, and golf.

Positions are available immediately to join our team. Interested applicants should send a current CV and the names of three references to:

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