Multiple Sclerosis Imaging Fellowship

A postdoctoral fellowship position is available at the Barrow Neurological Institute (BNI) working with Drs. Ashley Stokes and Richard Dortch as part of a collaborative effort between the Barrow Neuroimaging Innovation Center and the Department of Neurology. This translational work, which is fully funded through the NIH and the National MS Society, will focus on the development of advanced multi-scale perfusion and myelin imaging biomarkers of lesion repair in persons with MS. Long-term, these studies will provide insight into the role of lesion perfusion on remyelination along with novel biomarkers for use in future clinical trials.

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 Barrow Neuroimaging Innovation Center has a long-standing tradition of developing new imaging technologies and bringing them to market. To facilitate this, we have a master research agreement with Philips Healthcare, which ensures that the novel imaging methods developed at BNI are translated into product sequences for widespread dissemination. The BNI is also a major hub for neuroscience research and a wide range of neurology subspecialties. In support of this effort, the 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 Phoenixians enjoy an active lifestyle of hiking, cycling, rock climbing, swimming, and golf.

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

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