Postdoctoral Fellowship in Multi-Parametric Imaging of Glioma

Postdoctoral positions are available at Barrow Neurological Institute (BNI) working with Dr. Chad Quarles and the Translational Bioimaging Group. The positions will primarily focus on the development and application of advanced MRI methods capable of interrogating tissue hemodynamics, vascular architecture, oxygenation, and microstructure. Projects will be supported by new NIH and foundation awards.

Outstanding instrumental resources, including 1.5T and 3T Philips, 7T preclinical MRI, microCT, microPET and optical imaging scanners are available at the BNI. In addition, collaborators within the BNI and Phoenix valley possess exceptional expertise in neurology, neurosurgery, neurooncology, pathology, molecular and genomic characterization, and patient derived xenograft models of brain tumors.

Applicants should have a PhD in physics, bioengineering or a related discipline. Competitive candidates will have training in imaging physics, pulse sequence programming, advanced image analysis (e.g. DSC/DCE, CEST, DWI, DTI) and/or multi-parametric feature analysis.

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

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