Postdoctoral Fellowship in Multi-Parametric Imaging of Glioma

A postdoctoral position is available to support a NIH funded, multi-institutional study to take place at Mayo Clinic AZ and at the Barrow Neurological Institute (BNI) working with Drs. Chad Quarles (BNI) and Leland Hu (Mayo), and Yuxiang Zhou (Mayo). The position will primarily focus on the development and application of an advanced MRI pulse sequence capable of interrogating tissue hemodynamics, vascular architecture, oxygenation, and microstructure.

Outstanding instrumental resources, including 1.5T and 3T Philips, 3T Siemens (Mayo), 7T preclinical MRI, microCT, microPET and optical imaging scanners are available. In addition, collaborators within the BNI and Phoenix valley possess exceptional expertise in neurology, neurosurgery, neurooncology, pathology, and molecular and genomic characterization.

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

This position is available immediately. Interested applicants should send a current CV, including the names of three references, to:

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