Postdoctoral Research Associate Positions

Department of Radiology

University of Miami, Miami, Florida

Two postdoctoral research fellowship positions are available immediately in the Department of Radiology at University of Miami, Miami, Florida.

The successful candidates will work in human research projects that evaluate the effects of viral infections on the brain using advanced whole-brain MR imaging methods such as diffusion kurtosis imaging (DKI) and MR spectroscopic imaging (MRSI). The common goal of these projects is to characterize the impact of viral infections on the brains of children or adults using multi-parametric MR imaging methods and associate the imaging findings to clinical laboratory, neurobehavioral and neurocognitive alterations. The responsibilities of these positions involve MR data acquisition, processing and analysis, including image segmentation, and analyses of cross-sectional and longitudinal DTI/DKI data, MRS spectral data, rs-fMRI data using multi-parametric approaches. The successful candidates will work with scientists and clinicians, and will have an opportunity to contribute to other ongoing projects in the laboratory.

Applicants should have a Ph.D. in engineering, physics, neuroscience, or a related discipline. Those with previous experience in image processing, multi-parametric data analysis, and computer programming are preferred. The successful candidates should be highly motivated with excellent analytical skills and creative scientific thinking and be able to work independently as well as a part of teams. He/she should have excellent interpersonal and communication skills. The initial appointment for these positions is for one year with the possibility of reappointment, contingent upon satisfactory performance and availability of funds.

Interested candidates should email their CV along with a cover letter and three references to:

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