Post-Doctoral Research Fellow in Quantitative Brain Imaging

The MR Research Facility (MRRF) at the University of Iowa in collaboration with the Departments of Radiology and Psychiatry is seeking a highly qualified motivated individual to fill a Post-Doctoral Fellowship position in MR Physics. This position will help with development of metabolic imaging techniques to study psychiatric disorders. The research in the MRRF is focused on the development of high resolution quantitative metabolic imaging techniques. The MRRF has a research dedicated whole-body 3T scanner (GE 750W), whole-body 7T scanner (GE 950), and small animal 7T scanner (GE 901). The MRRF is a part of the Iowa Institute for Biomedical Imaging and works closely with faculty both from the Colleges of Medicine and Engineering. In addition, the MRRF collaborates closely with members of the recently formed Iowa Neuroscience Institute.

Applicants must have a PhD degree in Biomedical Engineering, Neuroscience, Biology, Physics, or a related discipline. Candidates with expertise in MR pulse programming and MR spectroscopy are preferred. Successful candidates must demonstrate expertise in MR Physics, computer programming, critical scientific thinking, and creativity. Applicants will be expected to help develop new and novel MR pulse sequences for assessment of brain metabolism and function. In addition, applicants will be expected to develop image analysis pipelines, analyze data, prepare manuscripts for publication, and collaborate with a highly diverse and motivated group of investigators.

The position will be in the Department of Radiology and affiliated with Iowa Neuroscience Institute and the Iowa Institute for Biomedical Imaging. The University of Iowa provides a rich environment in which faculty, post-doctoral fellows, research associates and graduate/undergraduate students regularly interact and conduct collaborative research studies. Candidates must have excellent communication and interpersonal skills as well as meet the eligibility requirements for work in the United States. The appointment is funded for one year from the date of hire with the possibility of reappointment contingent on performance.

For additional information contact:

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