**Assistant Research Scientist/Engineer**

The University of Iowa Hospitals and Clinics department of Radiology seeks an Assistant Research Scientist/Engineer to develop new quantitative imaging techniques to assess metabolism within the MR Research Facility (MRRF). The focus of this work will be on the development of spectroscopic as well as imaging approaches (eg. CEST, T1ρ) that are sensitive to metabolic changes. This work will include research projects using proton and other MR visible nuclei. This position will help support high collaborative research programs in neuroscience and cancer biology. Results from these efforts will be reported in scientific publications, as well as support the writing and submission of grant applications.

The successful candidate will be working in a fast-paced research environment with a diverse team of investigators, students and staff members. State-of-the-art imaging equipment in the MRRF includes research-dedicated 3T and 7T whole body scanners and a small animal 7T scanner.

Training in MR spectroscopy, medical imaging or a related scientific discipline is required, as is MRI pulse sequence development and MR image analysis. Preferred candidates will have prior postdoctoral training and research experience in MR spectroscopy or MR imaging. Previous success with grant applications and peer-reviewed publications is highly desired. Knowledge of GE EPIC pulse programming is a plus.

For more information about the MRRF, please visit [https://medicine.uiowa.edu/mri/](https://medicine.uiowa.edu/mri/) and [https://www.iibi.uiowa.edu/resources](https://www.iibi.uiowa.edu/resources).

To apply, please upload your resume and cover letter (under submission of relevant materials) at [https://uiowa.referrals.selectminds.com/jobs/assistant-research-scientist-7261](https://uiowa.referrals.selectminds.com/jobs/assistant-research-scientist-7261).

Questions about this opportunity may be addressed to MRRF Director, Vincent Magnotta [vincent-magnotta@uiowa.edu](mailto:vincent-magnotta@uiowa.edu).