Post Doctoral Research Associate

The Department of Medicine, Division of Cardiovascular Medicine, along with the Department of Biomedical Engineering, at the University of Virginia invites applications for a Post-Doctoral Research Associate to join the laboratory of Dr. Michael Salerno. The research group is a team of cardiology and biomedical engineering investigators who are developing novel advanced cardiac MRI (CMR) techniques and translating them into clinical practice.

The candidate would work on our NIH funded project to develop novel CMR pulse sequences and reconstruction techniques for high-resolution whole-heart quantitative myocardial perfusion imaging and to evaluate these methods in ischemic heart disease.

The major projects in the lab are:

1) To develop advanced techniques for whole-heart quantitative CMR myocardial perfusion imaging and apply these techniques to study ischemic heart disease.
2) To develop rapid free-breathing self-gated techniques for fast acquisition of CMR images of function, perfusion, and myocardial scar.
3) To develop and apply novel T1 mapping techniques and other tissue characterization methods to improve the accuracy of assessing myocardial fibrosis.
Responsibilities of the position include the implementation of advanced Cartesian and non-Cartesian pulse sequences, image registration, the development of parallel imaging/compressed sensing reconstruction techniques, and the development of post-processing pipelines.

Candidates must have a PhD or equivalent in Biomedical Engineering, Electrical Engineering or a closely related field by appointment start date and significant experience in the development and implementation of pulse sequences or image reconstruction techniques.

Experience with the Siemens IDEA and ICE environments is preferred.

This position is restricted and is contingent upon funding. The initial appointment is for 1 year and is anticipated to be renewed for an additional 2-3 years.

To apply, visit https://jobs.virginia.edu and search on **Posting #0624181**.
Complete a Candidate Profile online; attach a curriculum vitae, cover letter, statement of research interest and contact information for three references.

The position will remain open until filled.

For further information about the position, please contact Dr. Michael Salerno, MD PhD, via email at **msalerno@virginia.edu**.

The University of Virginia is an equal opportunity and affirmative action employer.
Women, minorities, veterans, and persons with disabilities are encouraged to apply.

Apply Here: http://www.Click2Apply.net/jkwz6yjtvyqbvfzv

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