UNIVERSITY *of* MARYLAND
SCHOOL OF MEDICINE

Postdoctoral Researcher – Pulse Sequence & Reconstruction Techniques for Prospective Motion Correction

The **Center for Advanced Imaging Research (CAIR)** within the Department of Diagnostic Radiology & Nuclear Medicine at University of Maryland School of Medicine has an opening for MRI Scientists with a background in pulse sequence development and/or reconstruction techniques. The MRI scientist will be involved with an NIH-funded project to develop real-time adaptive motion correction for structural and diffusion MRI, and applications to clinical research. This is a full-time position.

The CAIR houses a research-dedicated whole-body 3 Tesla Siemens Prisma platform, as well as a highly accurate real-time optical system to track head motion. Other resources within the Department are a PET-MRI, a human MRI-guided focused ultrasound system, and a 9.4T animal MRI scanner. The CAIR has multiple faculty-level scientists, staff and post-doctoral fellows that work on advanced MRI techniques.

The ideal candidate would have a Ph.D. degree in Electrical Engineering, biomedical engineering, Physics or related field with 1-3 years of experience in MR pulse sequence development, and / or experience with modern reconstruction techniques. Pulse sequence development, working knowledge on a Siemens platform, as well as experience with prospective motion correction will be considered a plus.

Interested candidates should send an email to Thomas Ernst, Ph.D. (ternst@som.umaryland.edu) with a cover letter highlighting key qualifications and experience, current CV and contact information for three referees.

The position is subject to a background check. Applications from women, minorities, and persons with disabilities are strongly encouraged. Applications will be accepted until the position is filled. The University of Maryland at Baltimore is dedicated to building a diverse community in its training and employment programs

The University of Maryland is an *equal opportunity, affirmative action employer*. All qualified applicants will receive consideration for employment regardless of sex, gender identity, race, color, religion, national original, disability, protected veteran status, age, or any other characteristic protected by law or policy.

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Davidge Hall is the historical symbol of the **University of Maryland School of Medicine** - America's oldest public medical school, founded in 1807.