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

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

MCAIR (http://www.medschool.umaryland.edu/mcair/) houses a research-dedicated whole-body 3 Tesla Siemens Prisma scanner, a 3 Tesla Siemens MR-PET, as well as a highly accurate real-time optical system to track head motion. Siemens Engineers are available in-house to support development of new methods. Other resources within the Department are a GE SpinLab dynamic nuclear polarizer suitable for preclinical and clinical applications, and a GE 3T 750w MR scanner.

The ideal candidate would have a Ph.D. degree in Electrical Engineering, biomedical engineering, Physics or related field with 0-1 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. (Thomas.Ernst@umm.edu) with a cover letter highlighting key qualifications and experience, current CV and contact information for three referees.

The University of Maryland at Baltimore is an AA/EOE/ADA Employer and encourages applications from women and members of minority groups.