As part of the ongoing efforts of the Center for Metabolic Imaging and Therapeutics (CMIT) at the University of Maryland School of Medicine (UMSOM) to expand its molecular imaging capabilities, the Department of Diagnostic Radiology and Nuclear Medicine has an immediate opening at the rank of full-time Assistant Professor on the non-tenure track. The successful candidate will focus on the application of hyperpolarized metabolic imaging for both basic science and clinical research. Initially, the primary activity of this position initially will be to perform academic research in association with other funded faculty members in the Department and the wider UMSOM research community including members of the NCI designated Marlene and Stewart Greenebaum Comprehensive Cancer Center. The candidate is expected to work towards an independent research career by obtaining externally funded research grants.

CMIT houses a GE SpinLab™ dynamic nuclear polarizer suitable for preclinical and clinical applications, a GE 3T 750w MR scanner, and a dedicated 3T small animal pre-clinical MRI system. The GE MR scanner is also integrated with two Insightec 1024-element high-intensity focused ultrasound (HIFU) systems for image-guided interventions. The installation of a clinical PET/MR system is planned for 2018. In addition, the Department has a full array of small animal imaging instruments including a 7.0 Tesla Bruker MRI system, a Siemens Inveon microPET/CT, and a Xenogen IVIS Spectrum for optical imaging.

The successful candidate must hold a PhD in a relevant field (e.g., engineering, physical sciences) and/or MD degree and should have substantial hands-on experience in applications of dynamic nuclear polarization (DNP) in biomedical research. Familiarity with the GE SPINlab polarizer is especially desirable. Qualified applicants should also have a track record of first-author research publications in peer-reviewed journals.

Interested individuals should send a letter detailing their research interests, an updated CV, and three references to Barbara Stewart (bstewart@umm.edu). In addition, Please use job link below:

https://umb.taleo.net/careersection/jobdetail.ftl?job=170001X8&lang=en

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