

Post-Doctoral Fellow Positions in MR Guided Focused Ultrasound

The Center for Metabolic Imaging and Therapeutics (CMIT) within the Department of Radiology & Nuclear Medicine at the University of Maryland School of Medicine provides a collaborative environment for investigators for image guided therapeutic innovations that have the potential to ultimately translate to the patient. The Center is currently seeking Post-doctoral Fellows with a strong background in MR guided Focused Ultrasound; especially for body and neuro applications. These positions will participate in federal, industry and foundation supported translational projects on topics including non-invasive drug delivery, tumor therapy, and neuromodulation.

The successful applicant will have access to a wide range of research dedicated devices, including small animal imaging systems (a Bruker Biospec 7T/30cm MRI running Paravision 5.1 with two gradient sets, a Siemens Inveon micro PET/CT scanner and a Xenogen Bioluminescence system) and research dedicated 3.0 Tesla MR systems (Siemens Tim Trio, & GE 750w). The CMIT center is also equipped with MR guided focused ultrasound systems for small animals (IGT, France) at 7.0 Tesla, and large animals/humans (InSightec Neuro ExAblate) at 3.0 Tesla. Plans are underway to further expand the focused ultrasound lab to include a body system for human studies.

The ideal candidates should have a Ph.D. in Biomedical Engineering, Electrical Engineering, Physics or related fields, preferably with a strong background in focused ultrasound, and specializing in either MR physics or ultrasound bio-effects. Preference will also be given to candidates with a demonstrated record for designing and carrying out preclinical studies.

The University of Maryland offers highly competitive salaries with excellent benefits. To apply for this position, please send your curriculum vitae, a letter describing your interest, background, and qualifications, and a list of three references to Dr. Rao Gullapalli at rgullapalli@umm.edu or by fax to 410-328-5937.

For more information please contact either Dr. Victor Frenkel (vfrenkel@som.umaryland.edu) or Dr. Rao Gullapalli (rgullapalli@umm.edu) for more information.

