A Postdoc/Research Associate Position

Molecular Imaging Laboratory, Department of Radiology
Howard University, Washington, DC

The Howard University Molecular Imaging Laboratory has a Postdoc/Research Associate imaging scientist position in MRI/MRS, PET, or Optical imaging fields. The Molecular Imaging Lab is a university core facility in the Department of Radiology, College of Medicine. The successful candidate will be part of the in vivo imaging group that provides MRI/MRS, PET/CT, and optical imaging research support along with developing independent research careers. Current research interests of the lab include: (1) MRI/MRS studies of neonatal brain functions and injury, (2) imaging of neuronal function in traumatic brain injury, (3) molecular imaging of disease processes including cancer, cardiovascular, and sickle cell disease, and (4) development of novel drug delivery systems.

The Molecular Imaging Laboratory has a Bruker 9.4T and a Bruker 7T MRI machines, a PET/CT machine, and a PerkinElmer IVIS Spectrum optical imaging machine for small animal imaging research. A GE 3T clinical MRI machine is also available for research. Strong career growth opportunities exist through research collaborations with a wide range of investigators from Howard University and neighboring institutions including Children’s National Medical Center, Catholic University of America, Georgetown University, and local biotech companies.

The candidate should have a PhD degree with knowledge in at least one of the following fields: MRI/MRS, PET/CT, molecular imaging, or closely related fields. Required skills include an expert understanding of modern MRI/MRS techniques, a working knowledge of MR-related electronics and hardware and strong interpersonal skills. Highly desirable qualifications include previous experience in Bruker MRI scanner, familiarity with Windows and Linux operating systems, solid experience with imaging processing and analysis, and an eagerness to collaborate with other investigators and contribute to new scientific knowledge.

To apply for this position, please email curriculum vitae, a letter describing research interests, background, and qualifications, and three references to Dr. Tsang-Wei Tu (tut@nih.gov) or Dr. Paul Wang (pwang@howard.edu). The requirements can also be mailed to Molecular Imaging Laboratory, Department of Radiology, Howard University, 2041 Georgia Avenue NW, Washington, DC 20060.