Postdoctoral Fellow in MRI Hardware

With nation-wide responsibility for improving the health and well-being of all Americans, the Department of Health and Human Services oversees the biomedical research programs of the National Institutes of Health and those of NIH’s research Institutes.

The Laboratory of Functional and Molecular Imaging (LFMI), National Institute of Neurological Disorders and Stroke, Division of Intramural Research, is currently searching for highly motivated engineers/scientists interested in pursuing a postdoctoral fellowship in the design and implementation of MRI hardware to develop the next generation of ultra-high field systems (7T, 11.7T and beyond). There are a range of projects on the design of novel MRI detectors as well as on state-of-the-art radiofrequency transmit and receive arrays for ultra-high field human and animal MRI systems. A Ph.D. in engineering or physics is required. Experience developing RF hardware for MRI and experience operating human MRI scanners is highly desirable.

LFMI (www.lfmi.ninds.nih.gov) has a number of groups that support postdoctoral fellows with the common goal of providing new MRI techniques at ultra-high field for analysis of brain in both human and animal models. LFMI is part of the NIH In Vivo NMR Center, a multi-institutional and multidisciplinary facility with wide range of human and animal MRI scanners (from 0.5T to 11.7T) located in the NIH Clinical Center at Bethesda main campus.

Salary will be consistent with NIH policy on postdoctoral fellowships. To apply, please send a cover letter with research interests, CV and contact information for three referees to: Natalia Gudino Ph.D. natalia.gudino@nih.gov. Applications will be reviewed as they are received. DHHS and NIH are Equal Opportunity Employers. All employees are subject to a background investigation.