Post-doctoral Fellow Position in Breast MRI

A postdoctoral position in multimodality MRI studies of breast cancer is available at the Center for Biomedical Imaging (CBI) in Department of Radiology at New York University School of Medicine. This research position will primarily focus on developing MRI methods to study the role of breast lipid composition in breast cancer development. It will be based on our recently developed rapid MR spectroscopic imaging method (Freed et al, Radiology 2016) to measure fatty acid composition during clinical breast MRI exams. The study will also look into the association of the lipid composition with the fibroglandular tissue characteristics measured by advanced diffusion and perfusion MRI methods as well as hormonal levels in biopsy and blood samples.

The candidate must have a Ph.D. or an equivalent degree in biomedical engineering, electrical engineering or related fields with strong background in MR physics and computer programming. Experience in pulse sequence programming is a plus. The candidate should have excellent written and oral communication skills and will be expected to participate in both independent and collaborative projects. Salary is commensurate with experience.

The CBI provides ample opportunities for collaborative research and access to excellent research facilities including two 3T Siemens MR scanners (Prisma and Skyra), a 7T Siemens MR scanner and two 7T Bruker MRI scanners for small animal imaging. A whole-body MR-PET Siemens scanner is available for simultaneous acquisition of MR and PET images. The NYU cancer center also provides a dedicated MRI scanner (Tim-Trio) for cancer studies. Opportunities exist for the successful candidate to pursue his/her own research utilizing these imaging facilities within the larger study.

Interested candidates should e-mail a brief statement of research interests, CV, and contact information of three references to:

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