MRI Postdoc Position in Breast Imaging
Department of Radiology
Breast Imaging Service
Memorial Sloan Kettering Cancer Center,
New York, NY

Memorial Sloan Kettering Cancer Center (MSKCC) has a position for a talented and productive scientist for a two-year research fellowship to support the development & optimization of novel functional MRI techniques and advanced medical image analysis in the field of breast MRI cancer imaging. The cross-disciplinary breast cancer imaging team at MSKCC has multiple projects that seek to develop novel MRI techniques for a better understanding of tumor development and progression and to analyze image data to better understand image features associated with disease prognosis and treatment response. Current projects include, for example, efforts to predict breast cancer biological aggressiveness based on image characteristics derived from established and novel MRI techniques and identification of breast image risk factors associated with increased risk of developing breast cancer. The fellowship will involve working jointly with radiologists, computer scientists, and medical physicists. Advanced knowledge of MRI is a requirement. Image processing, imaging physics, statistical modeling, or machine learning experience would be desirable.

The ideal candidate would have a focused research agenda in MRI-related clinical science with a Ph.D. or equivalent degree. She/he should have excellent communication skills with a proven ability to work successfully within a multi-disciplinary physician-scientist team on translational MR imaging research projects. A focus on oncology, tumor response assessment, drug delivery and/or tumor metabolism is desirable, although not a requirement. Additionally, prior experience with image processing and analysis using scientific programming such as Matlab/C++ would be desirable but are not required.

Within Radiology, there are currently 14 clinical MRI magnets with a planned expansion to 20 in the next few years. These include an MRI within an interventional radiology suite, a GE clinical hyperpolarizer unit, an MRI radiation oncology planning simulation suite and a whole-body MR-PET scanner. The extensive number of clinical MR units is complemented by an outstanding pre-clinical small animal facility, allowing technology development and translational research.

MSKCC is an NCI-Designated Comprehensive Cancer Center, and is recognized as one of the largest and most successful comprehensive cancer centers in the world, based on the availability of outstanding caregivers, “state of the art” facilities for cancer care, a commitment to excellence in the training of professionals for oncology, and cutting-edge cancer research. With a history extending over 100 years, the Department of Radiology is one of the oldest and largest cancer radiology groups in the world. MSKCC offers competitive salaries and benefits. Applicants with appropriate credentials from leading international MRI centers are welcome to apply. We are happy to receive applications from outside the U.S. Interested applicants should forward a curriculum vitae and bibliography to:

[Signature]

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