Postdoctoral Fellow / Research Scientist in Quantitative MRI

The MRI physics group at Memorial Sloan Kettering Cancer Center (MSK) offers a Postdoctoral Fellow or Research Scientist position in quantitative MRI. The successful candidate will work under the supervision of Can Wu and Ricardo Otazo.

The main goal of the position is to develop novel quantitative imaging biomarkers, such as T1rho (T1ρ) relaxometry, for cancer treatment response assessment. Specifically, we are interested in developing motion-robust MRI data acquisition, model-based or deep learning-based image reconstruction techniques to improve cancer care. The work involves programming of novel algorithms for MRI image acquisition, reconstruction, and processing, and their application to clinical cases.

The selected candidate will have the opportunity to work in a multidisciplinary group including physicists, engineers, computer scientists and clinicians in the departments of Medical Physics and Radiation Oncology at one of the world leader institutions in clinical cancer care and research.

Salary will be commensurate with experience and the cost of living in New York City. Subsidized housing close to the MSK campus is available for Postdoctoral Fellow.

Facilities:
- One Elekta Unity MR-Linac system (which includes a 1.5T Philips MRI scanner) and two 3T Philips MRI scanners (Ingenia and Elition)
- Multiple 1.5T and 3T GE scanners (MR450, MR750, Premier)
- Four high performance computer servers with multiple GPUs for image processing & reconstruction, and deep-learning tasks

Requirements:
- PhD or MS degree in physics, engineering, computer science, or related field
- Strong programming skills (Python or Matlab) and experience in quantitative methods for image analysis and processing
- Good written and verbal communication skills in English

To apply: please submit your CV and a brief research statement to:
- Can Wu, PhD: wuc4@mskcc.org

MSK is an equal opportunity and affirmative action employer committed to diversity and inclusion in all aspects of recruiting and employment. All qualified individuals are encouraged to apply and will receive consideration without regard to race, color, gender, gender identity or expression, sexual orientation, national origin, age, religion, creed, disability, veteran status or any other factor which cannot lawfully be used as a basis for an employment decision.