POSTDOCTORAL/RESEARCH SCIENTIST POSITIONS IN ACCELERATED QUANTITATIVE MRI

DESCRIPTION:
We are seeking highly motivated candidates for a post-doctoral/research scientist position in the Department of Radiology at NYU Langone Health in New York City. Our research group is focused on the development of novel MR pulse sequences/image reconstructions, accelerated quantitative MR methods- compressed Sensing (CS), MR-Fingerprinting (MRF) and Machine Learning (ML). In particular, we are seeking a candidate with interest and/or expertise in developing pulse sequences and accelerated MR methods. The position will be initially offered for two years and further continuation are based on satisfactory performance and availability of funds.

There are opportunities to work closely with dedicated musculoskeletal imaging basic scientists, clinician scientists from radiology, orthopaedic surgery, endocrinology and rheumatology, as well as a large group of diverse MR physicists, and image reconstruction experts, and radiofrequency coil engineers who work at the Center for Biomedical Imaging (CBI) and the Center for Advanced Imaging Innovation and Research (CAIR²) at NYULMC. The CBI houses multiple whole body MRI research scanners operating at 0.5, 1.5, 3 and 7T field strength, including a human 3T-MR-PET scanner, as well as small-bore systems for specimen and animal studies at 7T.

We have access to a large rheumatologic, orthopaedic and diabetic patient population at NYU and the greater New York City area and our lab focuses on both the development and the translation of novel, accelerated quantitative MRI techniques to clinical patient care.

QUALIFICATIONS:
Applicants must have an advanced degree (Ph.D.) in Physical Science, Electrical, Biomedical Engineering, or related field. The candidate must be familiar with computer operating systems and programming languages, particularly MATLAB, C++, or equivalent. We also expect that the motivated candidates should have excellent communication and writing skills. Remuneration is competitive and commensurate with experience and will be based on New York University guidelines. Women and minorities are encouraged to apply.

CONTACT:
Please forward your curriculum vitae including a list of your publications; and the names/addresses of 3 references to:
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