Postdoctoral Fellow in Accelerated Quantitative MRI with Machine Learning Methods

Our Center invites applications for a postdoctoral fellow in the department of radiology at NYU Langone Health. In particular, we are seeking a candidate with interest or expertise in developing accelerated quantitative MR methods. Our research group develops novel MR pulse sequences, image reconstructions, optimized and accelerated quantitative MR methods, such as compressed sensing (CS), MR fingerprinting (MRF) and machine learning (ML). Successful candidates will have opportunities to work closely with dedicated musculoskeletal-imaging basic scientists, clinician scientists from radiology, orthopedic surgery, endocrinology and rheumatology, as well as a large group of diverse MR physicists, image reconstruction experts, and radiofrequency coil engineers.

Qualifications
Applicants must have an PhD in physical science, electrical engineering, biomedical engineering, or related field. The candidate must be familiar with computer operating systems and programming languages, particularly MATLAB, Python, C++, or equivalent. We also expect candidates to have excellent communication and writing skills.

About Us
CAI²R (pronounced care) comprises approximately 150 full-time personnel dedicated to imaging research, development, and clinical translation. Our team is diverse and highly collaborative. We work in interdisciplinary, matrixed teams that include engineers, scientists, clinicians, technologists, and industry experts. Joining our team means becoming part of a diverse community that values cross-pollination of ideas, celebrates creativity, and nurtures an environment conducive to breakthrough innovations.

Environment
The Center for Advanced Imaging Innovation and Research (CAI²R) is supported by the NIH and operated by the department of radiology at NYU Langone Health.

Timeline, Salary, and Benefits
The position is initially offered for two years and may be extended based on satisfactory performance and availability of funds. NYU Langone Health offers a competitive salary and benefits package. We welcome both domestic and international applicants. We are 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, or disability.

To Apply
Please send your CV, a list of publications, and names and addresses of three references to Marcelo Zibetti, PhD at marcelo.zibetti@nyulangone.org.