Applications are invited for a postdoctoral position at the Center for Biomedical Imaging (CBI) at New York University (NYU) School of Medicine. The successful candidate will join a multidisciplinary team of researchers and physicians on NIH-funded projects focusing on the development of simultaneous multinuclear (\(^{1}\text{H}, ^{2}\text{H}, ^{23}\text{Na}, ^{31}\text{P}, ^{17}\text{O}\)) magnetic resonance imaging (MRI) at 3T and 7T for multiple applications in brain, breast cancer, musculoskeletal and cardiac imaging. The postdoctoral fellow will mainly work on data acquisition, processing and quantification, as well as biological modeling and medical applications. Salary is commensurate with experience and includes a comprehensive benefits package. Subsidized housing within walking distance to the CBI will be offered depending on availability. A two-year time commitment is expected.

The position is open to candidates with a PhD in biomedical engineering or imaging, MR physics, or related fields such as applied or theoretical physics, chemistry, or electrical engineering. Candidates with a background in NMR and/or MRI physics and data processing, as well as in image reconstruction methods and MR hardware, are strongly encouraged to apply. Experience in sequence programming with IDEA for Siemens systems is a plus. A record of peer-reviewed journal publications is recommended. Motivated individuals will have the opportunity to engage in independent research within the context of the study. Self-driven work attitude is a must.

The CBI is located in midtown Manhattan, New York City. It hosts the Center for Advanced Imaging Innovation and Research (CAI²R), and is embedded within the NYU Department of Radiology. This arrangement brings together a vast amount of human and technological resources in basic MR science (physics, engineering, mathematics) and clinical applications (radiology, medicine, neurology, oncology, etc.). Four Siemens MRI scanners are available on-site (two 3T scanners, one 7T scanner, and one 3T PET/MR scanner), as well as a cyclotron, a wet lab, and a dedicated RF laboratory.

Formal application should include, in pdf format:

- CV.
- Short statement of research interests in the context of prior work.
- Contact information of 2-3 references.

The application, or any request for additional information, can be sent to:

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