Applications are invited for a postdoctoral position at the Center for Biomedical Imaging (CBI) at New York University (NYU) Grossman School of Medicine. The successful candidate will join a multidisciplinary team of researchers and physicians on a new 5-year NIH-funded project focusing on the development of simultaneous $^1$H/$^{23}$Na magnetic resonance imaging (MRI) and diffusion tensor imaging (DTI) at 3 T for assessing and predicting evolution of post-traumatic osteoarthritis (PTOA) over time, in conjunction with synovial fluid and biomechanical biomarkers. The postdoctoral fellow will work on protocol development, data acquisition, processing and analysis, as well as biological modeling for data interpretation. Salary is commensurate with experience and the position includes a comprehensive health benefits package. Subsidized housing within walking distance to the CBI will be offered depending on availability.

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 strong background in NMR or MRI physics and data processing, as well as in musculoskeletal (MSK) imaging, 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 (CAI$^2$R), 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 3 T scanners, one 7 T scanner, and one 3 T PET/MR scanner), as well as a cyclotron, a wet lab, and a dedicated radiofrequency (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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