Applications are invited for a postdoctoral fellowship 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 an NIH-funded project on the study of traumatic brain injury (TBI) with sodium ($^{23}$Na) MRI and proton MR spectroscopy ($^1$H MRS). The overarching goal of the research is to provide new markers for neurodegeneration which can predict patients’ long-term clinical outcome.

The position is open to candidates with a Ph.D. in an MR-related field within biomedical engineering, physics or neuroscience. Candidates with a background in metabolic, microstructural and functional imaging are encouraged to apply. Motivated individuals will have the opportunity to engage in independent research within the context of the study. Self-driven work attitude is a must. Experience with the Siemens Syngo platform (IDEA/ICE) is preferred, but not required. A record of peer-reviewed journal publications is a plus.

The CBI is located in midtown Manhattan. 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 and clinical applications. Available on-site are 6 Siemens MRI scanners, including two 1.5 T and two 3 T scanners, a 7 T scanner, and a 3 T PET-MR scanner, a cyclotron, a wet lab, and a dedicated RF laboratory. Work will take place in collaboration with colleagues from Emergency Medicine and Rusk Rehabilitation Center.

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, with a possible extension of another one or two years.

The application consists of a CV, a statement of research interests in the context of prior work, and the contact information of 2-3 references. These materials should be emailed to the Principal Investigators of this project, Dr. Ivan Kirov and Dr. Guillaume Madelin, at the email addresses below.

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