A post-doctoral position is available starting December 1st, 2022, in the Quantitative Body MRI research group at the BioMedical Engineering and Molecular Imaging Institute (BMEII) and the Department of Radiology at the Icahn School of Medicine at Mount Sinai in New York City for a motivated PhD or MD/PhD. The research group is composed of physicists, radiologists and coordinators.

The Role
The primary responsibility of this position is to analyze and post-process advanced MRI quantification methods (DCE-MRI, diffusion, ASL, relaxometry methods such as T1, T2 and T1rho), with an emphasis on radiomics and texture analysis in liver and kidney imaging. Background in MRI Physics and/or image processing at the Masters or PhD level is desired. Experience with imaging human subjects, preferably on the Siemens platform, is desirable. Interest and/or experience in artificial intelligence, machine learning, high-throughput quantitative analyses (imaging, genomics and proteomics), or pulse sequence programming, are highly desirable.

Lab resources
BMEII has access to cutting edge imaging facilities including research dedicated Siemens 7T and 3T Prisma and Skyra MR systems, Siemens Sequoia Ultrasound system and Bruker 7T and 9.4T preclinical MR systems. Limited research time is also available on clinical Siemens 1.5T Aera, 3T Skyra and 3T PET/MR systems. Computational resources and expertise are also available including high performance servers and collaborations with the Hasso Plattner Institute for Digital Health at Mount Sinai.

Surrounding Area
Mount Sinai is located on Madison Avenue in Manhattan and is well served by public transport, with a subway stop a short walk away. The hospital is adjacent to Central Park. Incoming post-doctoral researchers are eligible for subsidized Mount Sinai housing.

Please send a current CV, letter of interest, and 3 references to Dr. Bachir Taouli, MD, MHA (bachir.taouli@mountsinai.org)