A position is available in the Department of Medical Physics at Memorial Sloan Kettering Cancer Center (MSKCC). At MSKCC, our group investigates quantitative magnetic resonance imaging (MRI) in clinical applications ranging from tumor detection to treatment response assessment in the Artificial Intelligence (AI) era.

The candidate should have a Ph.D. in imaging physics, computer science, electrical or biomedical engineering, or a related field. We continuously improve data acquisition and reconstruction using deep learning (DL) methods and use computational approaches to enhance the efficiency of MRI.

In this position, the interested candidate will be encouraged to participate in studies involving advanced MRI techniques. It would be desirable for the candidate to have expertise in implementing, optimizing, and validating MRI pulse sequences and knowledge of AI. The candidate should be interested in cancer biology and will interact with scientists and clinicians in multiple departments. He/she should have a demonstrated record of high-quality publications in scientific journals and strong analytical, writing, and verbal skills. The candidate will have to work closely with Physicians as he/she will also be involved in integrating MRI for personalized medicine set up at MSKCC.

The Department of Radiology operates 21 MRI scanners (1.5 and 3 Tesla). MSKCC is located in the Upper East Side of New York City in close proximity to Central Park and museums.

Applications:
An application letter with a CV should be sent to Amita Shukla-Dave, Ph.D., FISMRM, davea@mskcc.org

Vice-Chairman Radiology-Medical Physics Outreach, Director Quantitative Imaging, Professor (Attending Physicist), Deputy Service Chief Predictive Informatics
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