Department of Medical Physics

Faculty position in MRI-guided radiotherapy

The Department of Medical Physics at Memorial Sloan Kettering Cancer Center (MSK) is offering an Assistant-level or Associate-level faculty position in its MRI & Spectroscopy Physics Section. The prospective candidate will be involved in clinical MRI program for radiotherapy and MRI research and development for radiotherapy applications, including treatment planning, monitoring and adaptation. MSK has an evolving MRI-guided radiotherapy program, including pioneer work in the use of MRI for treatment planning, and more recently, the use of MR-Linac for adaptive radiotherapy. The prospective faculty will have the unique opportunity to collaborate with physicians in the Department of Radiation Oncology, and other departments throughout MSK.

The successful candidate will be expected to develop and maintain an active MRI research program, including technical development and translation to clinical practice. Potential areas include real-time MRI-guided adaptive radiotherapy of moving organs, and quantitative MRI (e.g., fingerprinting-based) for treatment response monitoring, to exploit new opportunities offered by the MR-Linac system.

Facilities: The Department of Medical Physics is the center for technical development in imaging and image-guided radiotherapy methods at MSK. The candidate will have access to research time at MRI scanners in the Departments of Radiation Oncology (two 3T Philips scanners used for MRI simulation and one Elekta MR-Linac which includes a 1.5T scanner). The candidate will also have access to high performance computer servers for the development of advanced image reconstruction and deep learning algorithms. MSK is located on the Upper East Side of Manhattan and is recognized as a world leader in clinical cancer care and research.

Requirements: Candidates should have a PhD in Physics, Engineering, Computer Science or a related area, with at least two years of experience after graduation. The successful candidate must have an outstanding record of research accomplishments and the potential for future exceptional research. Experience with Philips scanners is a plus.

To apply: Please submit a CV and Career Statement to Dr. Otazo, Chief of MRI and Spectroscopy Physics. The career statement should describe past achievements and future goals as they relate to this position.

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Chief, Magnetic Resonance Imaging and Spectroscopy Physics  
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The deadline for applications is: May 31, 2020.

MSK is an equal opportunity and affirmative action employer committed to diversity and inclusion in all aspects of recruiting and employment. All qualified individuals are encouraged to apply and will receive consideration without regard to race, color, gender, gender identity or expression, sexual orientation, national origin, age, religion, creed, disability, veteran status or any other factor which cannot lawfully be used as a basis for an employment decision.