Faculty Position in Pediatric MRI Research & Development

The Department of Medical Physics at Memorial Sloan Kettering Cancer Center (MSK) is offering an Assistant or Associate level faculty position in pediatric MRI for cancer.

The goals of the faculty position are to develop new or improved pediatric MRI techniques and to translate them into clinical practice. Technical development would include pulse sequence programming and image reconstruction algorithms (including artificial intelligence) to improve motion tolerance, image quality, imaging efficiency, and ultimately reduce the use of anesthesia in pediatric MRI examinations.

MSK has an active pediatric MRI program, with more than 3,000 MRI examinations per year to diagnose and evaluate treatment response of several types of cancer in children.

The successful candidate will have the opportunity to collaborate with physicists and engineers in the department of Medical Physics, as well as pediatric radiologists and oncologists, and other clinicians at MSK. The candidate will also be able to submit independent grant proposals.

Facilities: Research time on state-of-the-art clinical MRI scanners (1.5T and 3T GE Healthcare) used for pediatric examinations. Access to high performance computer servers with GPUs for the development of advanced image reconstruction 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, or a related area, with at least two years of experience after graduation. The successful candidate must show prior experience in MRI development, with peer-reviewed publications, and demonstrate potential for future exceptional research. Experience with GE scanners or pediatric MRI is a plus.

To apply: Please submit a CV and Career Statement to Dr. Ricardo Otazo, Chief of MRI Physics at otazotoj@mskcc.org. The career statement should describe past achievements and outline brief goals related to this position.

The deadline for applications is May 31, 2022.

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.