Faculty Position: The Department of Radiology at Northwestern University Feinberg School of Medicine in Chicago is seeking a full-time, continuing appointment, tenure-track faculty member at the rank of Assistant or Associate Professor. The position will be in an active translational research environment blending clinical studies with developments of advanced body MR imaging research with a focus on oncologic imaging. Research activities will cover advanced radiologic imaging of body structure and function and innovative data analysis concepts such as AI and deep learning. Specific research areas include (1) advancing state-of-the-art non-invasive methods including diffusion and perfusion weighted imaging as well as highly accelerated MRI using sparse sampling and compressed sensing techniques for diagnoses and outcomes prediction in patients with diseases of the liver, pancreas, prostate, intestinal tract, kidney, and breast (2) use of in-vivo MRI and other imaging modalities such as PET-MRI to develop/validate novel clinical diagnostics, (3) developing experimental in-vivo methods for the MRI based analysis of tissue mechanics (e.g. MR elastography in variety of organs).

Qualifications: Candidates should hold a PhD in physics, engineering, chemistry, computer science, medical imaging, or a related field. Experience in body MRI techniques and concepts, pulse sequence development, tissue mechanics, advanced mathematics, bio-imaging post-processing, and successful demonstration of extramural funding are essential. Also required is an exemplary record of peer-reviewed publications.

Facilities: The MR research group at Northwestern University is multidisciplinary, including MR physicists, engineers, and abdominal and cardiovascular diagnostic and interventional oncology radiologists. Additional expertise spans the fields of computer science, biostatistics, hepatology and gastroenterology, urology, transplant surgery, among others. We perform over 11,000 clinical abdominal and pelvic MRs per year. The Center for Translational Imaging, an imaging core facility at Northwestern University’s Chicago campus, houses five MR systems (full body 1.5T and 3T; pre-clinical 7T) fully dedicated to imaging research. Further, >15 clinical MR scanners located within Northwestern Memorial Hospital and a close research collaboration with Siemens Cardiovascular MR R&D provide the unique opportunity to translate novel imaging techniques into clinical studies and applications.

This position is a continuing appointment, academic rank determined on qualifications, at the Northwestern University Feinberg School of Medicine. Depending on the candidate’s qualification, the position can be offered as tenure-track. Salary and benefits are highly competitive.

To apply, please follow this link: https://facultyrecruiting.northwestern.edu/apply/NzU4. Only those applications submitted via this link will be considered.

Northwestern University is an Equal Opportunity, Affirmative Action Employer of all protected classes, including veterans and individuals with disabilities. Women, racial and ethnic minorities, individuals with disabilities, and veterans are encouraged to apply. Hiring is contingent upon eligibility to work in the United States.

Please direct question to: Michael Markl, Ph.D.
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Lester B. and Frances T. Knight Professor of Cardiac Imaging
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Department of Radiology