

Postdoctoral Fellow Position in Quantitative Renal MRI

A postdoctoral position in quantitative renal MRI is available at the MRI Research Institute: (MRIRI) in the Department of Radiology, Weill Cornell Medicine (WCM), Cornell University, in New York City (NYC). This research position will focus on developing quantitative MR methods for evaluation of renal pathologies including autosomal dominant polycystic kidney disease (ADPKD) and nephrolithiasis. Potential research projects include development of rapid abdominal MR imaging techniques, mapping of magnetic susceptibility of renal tissue, and quantification of hemorrhage and mineral depositions. The successful candidate will work closely with Dr. Alexey Dimov as well as Dr. Martin R. Prince. The candidate will be part of a strong research collaboration between MRIRI led by Dr. Yi Wang and the WCM's Departments of Urology, Pathology and Nephrology.

The candidate must have a Ph.D. or an equivalent degree in biomedical engineering, electrical engineering, physics, or related fields. Strong background in MR physics, proficiency in programming (C/C++, Python, MATLAB), as well as experience with MR sequence programming, MR body imaging, and wet lab skills (MR phantom construction, ex vivo tissue handling) would be an advantage, though not strictly required. The candidate should have excellent communication skills and will be expected to participate in both independent and collaborative projects. Salary is commensurate with experience.

The recently formed MRIRI at the Department of Radiology of WCM is a leading center in the development of innovative MRI methodologies and their applications in biomedicine. Research interests at MRIRI in terms of clinical applications cover a wide range of diseases, including, but not limited to, neurological, cardiovascular, and oncologic disorders. WCM, located in the Upper East Side of NYC, has a vibrant biomedical research community and strong ties to the main Cornell campus in Ithaca and the Cornell Tech campus in NYC.

The candidate will be supported and encouraged in pursuing foundation and government funded training grants and will be exposed to numerous training opportunities in clinical and translational body imaging research methods.

Salary established below per annum commensurate with qualifications experience: **\$64,272 - \$77,234.**

Weill Cornell Medicine provides the above salary range in compliance with the New York City law on Salary Transparency in Job Advertisements.

The above salary range for New York City based roles represents WCM's good faith and reasonable estimate of possible compensation at the time of posting.

Interested candidates should e-mail a brief statement of research interests, CV, and contact information of three references to Dr. Alexey Dimov (ald2031@med.cornell.edu).

Diversity is one of Weill Cornell Medicine's core values and is essential to achieving excellence in patient care, research, and education. We welcome applications from candidates who share our commitment to fostering a culture of fairness, equity, and belonging. Weill Cornell Medicine is

an Equal Employment Opportunity Employer, providing equal employment opportunities to all qualified applicants without regard to race, sex, sexual orientation, gender identity, national origin, color, age, religion, protected veteran or disability status, or genetic information.