The Winkler Laboratory is seeking a highly motivated postdoctoral researcher in the field of Electrical/ Biomedical Engineering, Medical Physics, or related.

Prof. Simone A Winkler is the technical director of the WCM UHF MRI Program and aims to develop new technology for Ultra High-Field (UHF) MRI.

The successful applicant will join a vibrant and collaborative research environment at one of the top universities in the world.

Department of Radiology

Ultra High-Field (UHF) MRI with field strengths of 7T and above provides crucial improvement over 3T in spatial resolution and sensitivity for deciphering subtle features that are <1mm in size and could thus allow mapping of intricate detail. There are substantial hurdles to surmount, however, before the promised increases in performance for UHF MRI are fully realized. The goal of the Winkler lab is to develop technology for the UHF MRI in a variety of anatomies, and ultimately its clinical applicability. Areas of research for the successful applicant(s) include RF coil building and manipulation of the electromagnetic fields in the scanner, among others.

Highly desired skills:
Knowledge in one or more of the following:
- RF coil building skills
- Experience in UHF MRI
- RF/microwave hardware development
- Artificial Intelligence / Deep Learning

The position will be for one year, renewable.

Weill Cornell Medicine is an equal opportunity employer. EOE/M/F/Vet/Disabled. 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.

Please send a one page statement of career goals and research interests and full CV to ssw4001@med.cornell.edu.