



**Director, MRI Research at Columbia University Irving Medical Center (CUIMC)
Department of Radiology, Vagelos College of Physicians and Surgeons**

The Department of Radiology at the Columbia University Vagelos College of Physicians and Surgeons (VP&S) invites applications for a faculty position as **Director, MRI Research**. This position is open across all ranks, with an option for a tenure-track appointment based on the candidate's qualifications and research trajectory.

Salary range is \$150,000 to \$350,000. Salary and academic rank will be commensurate with qualifications and experience. Columbia University offers a competitive benefits package, including tuition reimbursement, tuition exemption for faculty pursuing advanced degrees, retirement plans, and ample time off for vacation and CME. A joint appointment with the Department of Biomedical Engineering at the School of Engineering and Applied Sciences at Columbia University is also possible.

We are seeking a visionary leader with expertise in **MRI research** to advance innovation in biomedical imaging science at Columbia University. Areas of focus may include, but are not limited to:

- Advanced MRI acquisition and reconstruction methods,
- Quantitative imaging biomarker development,
- Functional and structural MRI innovations,
- Multi-modal imaging integration,
- Machine learning and artificial intelligence applications in MRI,
- Novel MRI hardware and protocol development,
- Imaging data science and its application to precision medicine.

Candidates must demonstrate a strong track record of MRI-focused research, including a history of impactful publications and funding success.

Responsibilities

The Director of MRI Research will lead a cutting-edge research program and contribute to collaborative academic initiatives. Responsibilities include:

- Developing and sustaining an independent and/or collaborative research program,
- Leveraging Columbia University's world-class installed base of state-of-the-art MRI systems, which includes advanced clinical and research scanners,
- Partnering with industry leaders to drive technological and translational advancements in MRI,
- Collaborating with departments and schools across Columbia University, including Biomedical Engineering, Biomedical Informatics, Public Health, and the Herbert Irving Comprehensive Cancer Center (HICCC),
- Utilizing Columbia's advanced informatics infrastructure for biomedical imaging, electronic health records, and multi-omics data integration,
- Teaching and mentoring students, residents, fellows, and postdoctoral researchers,
- Driving initiatives to enhance MRI-focused research within the Department of Radiology and across the broader academic and clinical communities.

**Application Instructions**

Interested candidates should submit their curriculum vitae, a statement of research interests, and the contact information for three references to

Stella Kang, MD, MS
Professor of Radiology
Vice Chair of Clinical Research
Department of Radiology
Columbia University Irving Medical Center
sk5603@cumc.columbia.edu

Education and Experience:

- PhD in Physics, Electrical Engineering, Bioengineering, or a related field. At least 8 years of experience in independent investigation is strongly desired.

Knowledge, Skills, and Abilities:

- Technical knowledge of MRI sequence development and familiarity with MRI hardware and engineering.
- Strong communication skills and ability to collaborate with faculty and staff, including technologists, researchers, and clinical scientists.
- Interpersonal and leadership skills for MRI research program development.

Environment:

The Department of Radiology at CUIMC includes over 100 full-time faculty and performs more than 800,000 imaging studies annually. Columbia is home to an exceptional installed base of state-of-the-art MRI systems, enabling groundbreaking clinical and research opportunities. Faculty have access to robust infrastructure and resources to support academic growth, research innovation, and professional development.

Columbia University Irving Medical Center (CUIMC) and its partner institution, NewYork-Presbyterian Hospital, are internationally recognized for their excellence in clinical care, research, and education. Columbia's vibrant academic environment provides unparalleled opportunities for interdisciplinary collaboration with world-class scientists and access to one of the most exciting cities in the world.

Columbia University is an Equal Opportunity Employer. The University and the Department of Radiology are committed to the diversity of its faculty. Outstanding female and underrepresented minority scholars are strongly encouraged to apply.

The above salary range represents Columbia's good faith and reasonable estimate of possible compensation at the time of posting.