



Icahn  
School of  
Medicine at  
Mount  
Sinai

*BioMedical Engineering  
and Imaging Institute*

**Postdoctoral Fellow  
(Icahn School of Medicine at Mount Sinai, New York, NY)**

The BioMedical Engineering and Imaging Institute (BMEII) at The Icahn School of Medicine at Mount Sinai is seeking a motivated Postdoctoral Fellow to develop and apply novel MRI techniques in neuroimaging in conjunction with PET data with applications to Alzheimer's disease. This is an excellent opportunity to conduct innovative imaging research as a member of a team of technical and clinical experts with access to state-of-the-art imaging equipment housed at the Hess Center for Science and Medicine in New York City. (<https://bmeisinai.org/anrp/>). The position will be based in the Neuroimaging group mentored by Dr. Priti Balchandani, Director of the Advanced Neuroimaging Research Program.

Position responsibilities include independent research, contributions to publications and grants, and leadership roles within the Institute. Opportunities for teaching also exist. The candidate will primarily work on development and implementation of MRI acquisition and analysis methods at 7T and 3T, and on translational research integrating PET and MRI data. The work will consist of MR pulse sequence implementation, image acquisition on patients and healthy volunteers and post-processing of imaging data. The postdoctoral fellow is also encouraged to develop their own research projects within the mission areas of the BMEII. The candidate should have a PhD in one of the following: Engineering, Physics, Chemistry, Mathematics, Computer Science, Neuroscience or a related field. Demonstrated research experience and publication records are necessary. Experience with Siemens IDEA and ICE environments are preferred.

Interested individuals should send a CV, a brief statement of interests, and a list of referees to Dr. Priti Balchandani ([priti.balchandani@mssm.edu](mailto:priti.balchandani@mssm.edu)).

### **Employer Description**

#### **Strength through Unity and Inclusion**

The Mount Sinai Health System is committed to fostering an environment where everyone can contribute to excellence. We share a common dedication to delivering outstanding patient care.

When you join us, you become part of Mount Sinai's unparalleled legacy of achievement, education, and innovation as we work together to transform healthcare. We encourage all team members to actively participate in creating a culture that ensures fair access to opportunities, promotes inclusive practices, and supports the success of every individual.

At Mount Sinai, our leaders are committed to fostering a workplace where all employees feel valued, respected, and empowered to grow. We strive to create an environment where collaboration, fairness, and continuous learning drive positive change, improving the well-being of our staff, patients, and organization. Our leaders are expected to challenge outdated practices, promote a culture of respect, and work toward meaningful improvements that enhance patient care and workplace experiences. We are dedicated to building a supportive

and welcoming environment where everyone has the opportunity to thrive and advance professionally. Explore this opportunity and be part of the next chapter in our history.

**About the Mount Sinai Health System:**

Mount Sinai Health System is one of the largest academic medical systems in the New York metro area, with more than 48,000 employees working across eight hospitals, more than 400 outpatient practices, more than 300 labs, a school of nursing, and a leading school of medicine and graduate education. Mount Sinai advances health for all people, everywhere, by taking on the most complex health care challenges of our time — discovering and applying new scientific learning and knowledge; developing safer, more effective treatments; educating the next generation of medical leaders and innovators; and supporting local communities by delivering high-quality care to all who need it.

Through the integration of its hospitals, labs, and schools, Mount Sinai offers comprehensive health care solutions from birth through geriatrics, leveraging innovative approaches such as artificial intelligence and informatics while keeping patients' medical and emotional needs at the center of all treatment. The Health System includes more than 9,000 primary and specialty care physicians; 13 joint-venture outpatient surgery centers throughout the five boroughs of New York City, Westchester, Long Island, and Florida; and more than 30 affiliated community health centers.

We are consistently ranked by U.S. News & World Report's Best Hospitals, receiving high "Honor Roll" status, and are highly ranked: No. 1 in Geriatrics, top 5 in Cardiology/Heart Surgery, and top 20 in Diabetes/Endocrinology, Gastroenterology/GI Surgery, Neurology/Neurosurgery, Orthopedics, Pulmonology/Lung Surgery, Rehabilitation, and Urology. New York Eye and Ear Infirmary of Mount Sinai is ranked No. 12 in Ophthalmology. U.S. News & World Report's "Best Children's Hospitals" ranks Mount Sinai Kravis Children's Hospital among the country's best in several pediatric specialties. The Icahn School of Medicine at Mount Sinai is ranked No. 11 nationwide in National Institutes of Health funding and in the 99th percentile in research dollars per investigator according to the Association of American Medical Colleges.

Newsweek's "The World's Best Smart Hospitals" ranks The Mount Sinai Hospital as No. 1 in New York and in the top five globally, and Mount Sinai Morningside in the top 20 globally.

**Equal Opportunity Employer**

The Mount Sinai Health System is an equal opportunity employer, complying with all applicable federal civil rights laws. We do not discriminate, exclude, or treat individuals differently based on race, color, national origin, age, religion, disability, sex, sexual orientation, gender, veteran status, or any other characteristic protected by law. We are deeply committed to fostering an environment where all faculty, staff, students, trainees, patients, visitors, and the communities we serve feel respected and supported. Our goal is to create a healthcare and learning institution that actively works to remove barriers, address challenges, and promote fairness in all aspects of our organization.

**Compensation**

The Mount Sinai Health System (MSHS) provides salary ranges that comply with the New York City Law on Salary Transparency in Job Advertisements. The salary range for the role is \$74,692 - \$80,000 annually. Actual salaries depend on a variety of factors, including experience, education, and operational need. The salary range or contractual rate listed does not include bonuses/incentives, differential pay, or other forms of compensation or benefits.