

Post-Doctoral Fellow or Research Engineer in Low-Field MRI Development

We invite applications for a post-doctoral fellow or research engineer position in the department of radiology at New York University Langone Health. The successful applicant will join a team working on exciting projects focusing on low-field MRI development, working with a diverse group of physicists, imaging experts, and radiologists in our multi-disciplinary Center. The candidate will own a range of low-field MRI hardware projects including simulation, manufacture, and integration of B0 shim techniques, radiofrequency coils, and ancillary devices such as preamplifiers. The candidate will have the opportunity to pursue independent interests in accessible MRI and grow their own research team.

Qualifications

- Degree in engineering, physics, biomedical sciences, or related field
- Experience with hands-on hardware development
- Expertise in analog electronics
- Experience with circuit board design and manufacture
- Fluency in high-level software such as Matlab, CAD, and electromagnetic field simulators
- Excellent written and oral communication skills
- Troubleshooting and problem-solving skills
- Experience with the Siemens or other MRI platforms (preferred)

About Us

The Center for Advanced Imaging Innovation and Research (CAI2R, pronounced care) is a National Center for Biomedical Imaging and Bioengineering supported by the National Institute of Biomedical Imaging and Bioengineering (NIBIB) and operated by the Department of Radiology at NYU Langone Health.

CAI2R comprises approximately 150 full-time personnel dedicated to imaging research, development, and clinical translation. Our team is highly collaborative. We work in interdisciplinary groups that include engineers, scientists, clinicians, technologists, and industry experts.

Joining us means becoming part of a diverse community that values cross-pollination of ideas, celebrates creativity, and nurtures an environment conducive to breakthrough innovations.

Learn more about our mission, our research, team, and facilities at cai2r.net

Timeline, Salary, and Benefits

The anticipated start for this position is mid-2026. The minimum starting salary is approximately \$70,000 per year for post-doctoral fellows and commensurate with experience for research engineers. Both include a generous benefits package. The initial appointment is for one year, with the intention to renew depending on mutual agreement. We welcome both domestic and international applicants. We are committed to diversity and inclusion in all aspects of recruiting and employment. All qualified individuals are encouraged to apply and will receive consideration without regard to race, color, gender identity or expression, sexual orientation, national origin, age, religion, creed, or disability.

To Apply

Email your CV, a list or description of recent projects, and a cover letter describing your interest in the position to Gail Joseph (gail.joseph@nyulangone.org). Include "low-field MRI" in the subject line.