

**Faculty Position in Bioengineering Ultrahigh Field MRI (Open Rank)**  
**The Grainger College of Engineering**  
**Department of Bioengineering**  
**University of Illinois Urbana-Champaign**

The Department of Bioengineering at the University of Illinois Urbana-Champaign (UIUC) invites applications for a full-time tenure-track faculty position in ultrahigh field MRI. We seek applicants who can contribute to the excellence of our programs through research, teaching, and service. There have been significant recent investments by campus in imaging technologies, including a new human 7 T MRI system as well as an increase in translational research on campus and with our clinical partners. In addition, the department has recently launched the nation's first B.S. degree program in neural engineering and a masters program in biomedical image computing. These new programs leverage campus strengths across diverse topics from bioengineering, imaging, neuroscience, and data analytics. To support this growth, applications from exceptional candidates with expertise in ultrahigh field MRI, especially leveraging 7 T human MRI including technology development and applications, are sought. The search is open rank and candidates at all levels are encouraged to apply. The Department of Bioengineering is committed to building a culturally and intellectually diverse educational environment and candidates are expected to demonstrate evidence of a commitment to diversity, equity, and inclusion through research, teaching, and/or service endeavors.

The Department of Bioengineering welcomes applications from all areas related to ultrahigh field MRI. The ultrahigh field MRI position could include development of advanced imaging technologies (both hardware and software) at 7 T; and application areas that span from imaging science and neuroscience to the clinic, including cancer, which are strategic growth areas in the department. This new faculty position in ultrahigh field MRI within the Department of Bioengineering is part of a broader campus expansion targeted at leveraging the 7T MRI for Brain Health and Precision Medicine, including a UIUC strategic cluster hiring initiative ([mricluster7t.web.illinois.edu](http://mricluster7t.web.illinois.edu)), which will bring significant expertise to campus to develop and apply the next generation of ultrahigh field imaging techniques.

The University of Illinois Urbana-Champaign is an internationally top-ranked research institution. Our interdisciplinary and collegial academic community supports innovative cross-campus research initiatives that involve partnerships with the Beckman Institute for Advanced Science and Technology, the Carle Illinois Advanced Imaging Center, the Carl R. Woese Institute for Genomic Biology, the National Center for Supercomputing Applications, the Holonyak Micro and Nanotechnology Laboratory, the Carver Biotechnology Center, the Cancer Center at Illinois, and many other research centers, clinical sites, and educational programs on our campus. The Department of Bioengineering at Illinois develops innovative engineering, technology, and quantitative methods to address grand challenges in human health and sustainability. These efforts encompass research and education across multiple disciplines including micro- and nanotechnology, bioimaging, computational and systems biology, cell and tissue engineering, synthetic bioengineering, and biomedical engineering education. The department is undergoing substantial growth in its educational and research programs. With the opening of state-of-the-

art research and teaching facilities and the growing collaboration with our engineering-driven Carle-Illinois College of Medicine, the Department of Bioengineering is positioned to impact fundamental and translational research as well as the integration of engineering and medical education.

A successful candidate is expected to possess a demonstrated track record of productivity and experience in research and interdisciplinary collaboration. Minimum qualifications include a doctorate in bioengineering or relevant STEM discipline and the ability to contribute to our 7 T human MRI program and our department educational programs. Rank and salary will be commensurate with qualifications. The typical salary range is as follows: \$100,000 to \$120,000 at the Assistant Professor level, \$120,000 to \$140,000 at the Associate Professor level, and \$160,000 to \$210,000 at the Full Professor level, for a 9-month service basis. Start date is expected in the Fall of 2025; however, this is negotiable.

Applications should be submitted by visiting <https://illinois.csod.com/ux/ats/careersite/1/home/requisition/12017?c=illinois&source=ismrm> and uploading in a single PDF file in the CV/Resume section: 1) a cover letter with current contact information including an email address, 2) a curriculum vitae, 3) a statement of previous research accomplishments and future research plans, 4) a statement of teaching goals, 5) a statement on commitment to diversity, and 6) the names and contact information of three or more references. Candidates should state in their cover letter that they are interested in the strategic cluster hiring initiative in 7T Brain Health and Personalize Medicine and list any other participating departments they have applied to, if any. The statement on diversity should address past and/or potential contributions to diversity, equity, and inclusion through research, teaching, and/or service. For further information, contact Amy Meharry at [amym@illinois.edu](mailto:amym@illinois.edu) or 217-300-6905.

To ensure full consideration, applications must be received by **October 31, 2024**. Applications will be accepted until the position is filled. Early applications are strongly encouraged as interviews may take place during the application period, but a hiring decision will not be made until after the closing date.

We have an active and successful dual-career partner placement program and a strong commitment to work-life balance and family-friendly programs for faculty and staff ([provost.illinois.edu/faculty-affairs/work-life-balance](http://provost.illinois.edu/faculty-affairs/work-life-balance)).

The University of Illinois must also comply with applicable federal export control laws and regulations and, as such, reserves the right to employ restricted party screening procedures for applicants.

The University of Illinois System is an equal opportunity employer, including but not limited to disability and/or veteran status, and complies with all applicable state and federal employment mandates. Please visit [Required Employment Notices and Posters](#) to view our non-

discrimination statement and find additional information about required background checks, sexual harassment/misconduct disclosures, and [employment eligibility](#) review through [E-Verify](#).

Applicants with disabilities are encouraged to apply and may request a reasonable accommodation under the Americans with Disabilities Act (2008) to complete the application and/or interview process. Requests may be submitted through the reasonable accommodations [portal](#), or by contacting the Accessibility & Accommodations Division of the Office for Access and Equity at 217-333-0885, or by emailing [accessibility@illinois.edu](mailto:accessibility@illinois.edu).