College of Human Medicine
MICHIGAN STATE UNIVERSITY

Assistant/Associate/Full Professor – Tenure System | Department of Radiology

Michigan State University College of Human Medicine

Position Summary:

Michigan State University's Department of Radiology invites applications for tenure-system faculty at the rank of Assistant Professor, Associate Professor and/or Professor to join the Center for Imaging and Image-Guided Therapy (CIIGT). Successful candidates will contribute to the scientific growth and national prominence of the CIIGT, a state-of-the-art translational imaging center equipped with a Siemens Biograph One PET/MRI system, advanced radiopharmacy capabilities, and extensive preclinical (https://imaging.iq.msu.edu/) and clinical imaging resources (https://biomedicalimaging.msu.edu). They will interact with our Precision Health Program (PHP; https://radiology.msu.edu/research/precision-health-program) and the Institute for Quantitative Health Sciences and Engineering (https://iq.msu.edu/) to advance new technologies aimed at improving health.

The CIIGT harnesses the full potential of Michigan State University's unique research and clinical assets. With two co-located medical colleges, a college of nursing, a college of veterinary medicine, and nationally recognized programs in animal and agricultural sciences and our world-renowned Facility for Rare Isotope Beams (https://frib.msu.edu/) the Institute for Quantitative Health Sciences and Engineering, and clinical imaging research (https://izzofamilymedicalcenter.com/) combined with established and emerging clinical partnerships across the state, CIIGT is a truly distinctive research environment, unlike any other in the world. CIIGT is an inspiring and tangible manifestation of MSU's *One Team, One Health* initiative envisioned to bring our strengths in human, animal and environmental health together to become a national powerhouse of precision health and healing. The CIIGT provides a collaborative nexus of innovation uniquely enabling scientists to leverage human and large animal models and reciprocal translation to the benefit of all life.

This position is part of Michigan State University's Global Impact Initiative (GII), a comprehensive strategic investment in new and enhanced research endeavors designed to advance big ideas, innovation, and global impact while responding to the MSU 2030 Strategic Plan. The GII supports faculty recruitment in high-priority areas of research and aligns investments with university and college priorities, historical strengths, and new opportunities for growth.

As part of this strategic investment, faculty members will bring or develop innovative, externally funded research programs and work closely with the CIIGT Director and investigators across the Colleges of Human Medicine, Osteopathic Medicine, Veterinary Medicine, Engineering, and other university partners to advance translational imaging research spanning human and animal health.

Required Qualifications:

- Appropriate doctoral degree (PhD, MD/DO, DVM, or equivalent) in imaging science, radiology, biomedical engineering, medical physics, nuclear medicine, neuroscience, cancer biology, radiopharmaceutical sciences, or a related discipline.
- Demonstrated expertise in PET imaging, MRI, or molecular imaging and experience applying PET, PET/MRI, PET/CT, or related radiopharmaceutical/imaging approaches to important scientific and/or clinical questions. Relevant expertise may include quantitative image analysis, kinetic modeling, radiotracer development, dosimetry, image-guided applications, or other advanced imaging methods.
- For the proposed rank: evidence of independence and a trajectory appropriate to the candidate's career stage, including success in obtaining, or strong potential to obtain, competitive extramural funding. Assistant Professor candidates should demonstrate an emerging independent program and strong funding potential; Associate Professor candidates should demonstrate an established independent program and active extramural support; Professor candidates should demonstrate a sustained, significant record of independent extramural support and research leadership.

Desired Qualifications:

- Strong record of mentoring students, trainees, and early-career investigators.
- Experience in translational science, image-guided therapies, and/or clinical trials.
- Evidence of interdisciplinary research and team building.

Required Application Materials:

- Cover letter summarizing your qualifications and interest
- Curriculum vitae, including a list of publications and funding history
- A vision statement for research (3 page maximum)
- Names and contact information for at least three professional references

Proof of license and/or certifications may be requested during the interview process.

Application review begins November 1, 2026; applications will be accepted until the positions are filled.

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