Tenure-track Neuroscience Faculty Position (rank open) in ultra-high field MRI at the University of Rochester

We seek candidates who utilize modern experimental approaches in animal models to address fundamental questions in neuroscience. Areas of research interest include, but are not limited to learning and memory, synaptic plasticity, glial cell biology, integrative and developmental mechanisms, and disorders of the nervous system. The successful candidate will be expected to direct an independent research program that will attract extramural funding, provide research training for graduate students and teach at the graduate level. Departmental faculty are members of the interdepartmental Neuroscience Graduate Program which along with other neuroscience-related activities, brings together a broad community of neuroscientists in affiliated departments, including Biomedical Engineering, Biomedical Genetics, Brain and Cognitive Sciences, Neurology, Neurosurgery, Ophthalmology, Imaging Sciences, and Pharmacology & Physiology.

Successful candidates should have experience with high-field small animal MR imaging research and will play a key role in building expertise and developing cutting edge techniques for animal imaging on a new 9.4T Bruker animal MRI system with PET insert coming in early 2023. The candidate should be able to demonstrate her/his excellence in project management, collaboration, and communication skills. In this position, candidates are expected to actively engage with clinical and basic research faculty across the University to apply the latest small animal imaging technologies to probe basic physiology and investigate disease models.

**Responsibilities**: Build local expertise in standard and advanced imaging techniques for small animal imaging and facilitate translational applications in humans; Develop novel acquisition techniques or integration of multi-modal imaging techniques and analysis approaches; Contribute in essential ways to the growth of federally funded imaging research projects and build collaborative ties with other investigators.

**Qualifications**: The candidate must hold a PhD degree in Neuroscience, Biomedical Engineering, Physics, or a related field, and a minimum of 2 years post-doctoral experience with high field MRI. Knowledge of either MRI sequence development, MRI or multi-modal instrumentation development, small animal MRI techniques, and related applications will be weighted heavily. Experience with PET imaging in small animals is a plus. Applicants for this position should have a strong scientific record of accomplishment in small animal MRI research, supported by respective publications and extramural funding. Prior or ongoing NIH-funded research as a principal investigator is desired. Experience in supervising graduate students and/or postdoctoral researchers is preferred.

**To apply**: Please email your current curriculum vitae, a statement of research and teaching experience and interests, a statement on contribution to equity, diversity, and inclusion, and
contact information for 3 references to madalina_tivarus@urmc.rochester.edu. Consideration of applications will begin immediately and continue until the position is filled.

The University of Rochester is committed to fostering, cultivating, and preserving a culture of equity, diversity, and inclusion to advance the University’s mission to Learn, Discover, Heal, Create – and Make the World Ever Better. In support of our values and those of our society, the University is committed to not discriminating on the basis of age, color, disability, ethnicity, gender identity or expression, genetic information, marital status, military/veteran status, national origin, race, religion/creed, sex, sexual orientation, citizenship status, or any other status protected by law. This commitment extends to the administration of our policies, admissions, employment, access, and recruitment of candidates from underrepresented populations, veterans, and persons with disabilities consistent with these values and government contractor Affirmative Action obligations.