The Vanderbilt University Institute of Imaging Science (VUIIS) is seeking a postdoctoral research fellow for a 2-year mentored research training opportunity supported by the National Institute of Biomedical Imaging and Bioengineering. Faculty interests and resources are illustrated at vuiis.vumc.org, and we are currently seeking a candidate with an interest in developing and applying quantitative magnetic resonance imaging (MRI) methods at 3T and 7T field strengths for clinical applications in neurology.

**Ongoing projects of immediate interest include:**

- Development of structural and functional MRI of the thoracolumbar spinal cord for applications in multiple sclerosis and other neurological disorders
- Studies of sex differences in imaging biomarkers of neurological disease pathology

**Position:** Postdoctoral research fellow. Stipends vary depending on experience, and fringe benefits include payment of health insurance.

**Candidate requirements:** We seek qualified, motivated PhD science graduates (must be US citizen or permanent resident for this position) from any discipline (physics, chemistry, engineering, mathematics, computer science, or a biological science). Strong candidates will be able to demonstrate their commitment to peer-reviewed research and effective communication through evidence of publications, presentations at scientific meetings, and prior grant funding or writing experience. Candidates should be interested in applying biomedical imaging to study diseases of the central nervous system.

**Research Environment:** VUIIS offers superb facilities with state of the art, high field human MRI scanners and an internationally-recognized faculty to enable trainees to become experts in modern MR technologies and applications.

**Surrounding Environment:** The Vanderbilt School of Medicine’s biomedical research program is among the nation’s top 20 in terms of National Institutes of Health funding, receiving more than $700 million in public and private awards in 2020, including over 500 NIH awards totaling over $350 million. VUMC has over 2700 full-time faculty and is ranked among the top medical schools for research in the United States (#13 in 2022). Vanderbilt’s commitment to postdocs and early career trainees is award-winning. Key resources include the Office of Biomedical Research & Training (BRET), NIH- K and R01 workshops through the EdgeForScholars.org program, and alliance with HBCU Meharry Medical College. Finally, Vanderbilt is located in Nashville, TN; Nashville has been named America’s friendliest city multiple years in a row, is one of the 15 best cities for work and family (Fortune magazine), and is among 25 cities most likely to have the country's highest job growth over the coming five years (Forbes magazine). [https://www.vumc.org/diversity/about-nashville](https://www.vumc.org/diversity/about-nashville)

Vanderbilt University Medical Center is committed to the acceptance of a diverse group of trainees that is populated with trainees of all races, ethnicities, genders, gender identities, sexual orientation, disabilities, all places of geographic origin and the full spectrum of socio-economic status.

**Application Instructions**

Please send a CV, summary of research interests, and contact information for 2 references to Kristin O’Grady, PhD (kristin.p.ogrady@vumc.org).