Research Associate

Full Time

Position Number: R0059488

A Postdoctoral Research Associate position in diffusion MRI acquisition, analysis and modeling is available at the University of Virginia School of Medicine under the supervision of Dr. Merry Mani, in the Department of Radiology. The successful candidate will work to develop, validate, and translate cutting-edge diffusion MRI acquisition and analysis techniques for tissue microstructural imaging in the healthy human brain, with further applications in neurodegenerative disorders such as Huntington's Disease, Parkinson's and Alzheimer's disease. The goal is to develop new imaging methodologies with high sensitivity and specificity to study the tissue microstructure, by synergistically combining advanced acquisition, reconstruction, and analysis methods. Machine learning will be a crucial component and will be used in all stages of development. The position comes with the potential for further growth opportunities including promotion into Research Track Faculty or Research Scientist Track positions based on performance and funding.

Qualifications:

A Ph.D. (or equivalent) in electrical engineering, biomedical engineering, computer science, medical physics, or a related field is required; however, strong candidates with other scientific backgrounds will also be considered. The ideal candidate should have a strong analytical background while displaying a high level of creativity. First-hand experience with pulse sequence programming and/or analysis of diffusion MRI data is highly desired. Candidates should be highly motivated and interested in working in an interdisciplinary environment with an emphasis on translational research. A minimum two-year time commitment is required.

Postdoctoral employment is normally limited to an individual who has been awarded a doctoral degree within the previous five years. This is a 12-month appointment with the possibility of renewal (for an additional two, one-year increments) contingent upon satisfactory performance and the availability of funding. Salary will be commensurate with education and experience.

This position will remain open until filled. The University will perform background checks on all new hires prior to employment. A completed pre-employment health screen is required for this position prior to employment.

TO APPLY

Please apply through Careers at UVA, and search for R0059488. Internal applicants must apply through their UVA Workday profile by searching 'Find Jobs'. Complete an application online with the following documents:

- CV or Resume
- Cover letter
- Contact information for three professional references

Applications that do not contain all required documents will not receive full consideration.

For questions about the position, please contact Dr. James R. Stone, Professor and Vice-Chair of Research, at jrs7r@virginia.edu. Questions relating to the application process should be directed to Jeremy Brofft, Senior Recruiting Specialist, xmf9ad@virginia.edu.

For information on resources for postdocs at UVA, visit https://postdoc.virginia.edu/. For more information on the Charlottesville community please see http://www.virginia.edu/life/charlottesville.

The University of Virginia, including the UVA Health System which represents the UVA Medical Center, Schools of Medicine and Nursing, UVA Physician's Group and the Claude Moore Health Sciences Library, are fundamentally committed to the diversity of our faculty and staff. We believe diversity is excellence expressing itself through every person's perspective and lived experiences. We are equal opportunity and affirmative action employers. All qualified applicants will receive consideration for employment without regard to age, color, disability, gender identity or expression, marital status, national or ethnic origin, political affiliation, race, religion, sex (including pregnancy), sexual orientation, veteran status, and family medical or genetic information.