Clinical Research MRI Laboratory at the University of Michigan Radiology Department invites applications for a Postdoctoral Research Fellow for development and deployment of advanced image analysis tools for quantitative diffusion imaging in oncology applications.

**Responsibilities:** Successful candidate is expected to contribute to ongoing academic industrial partnership project (between four academic cancer imaging centers and three clinical MRI vendors) for translation of quantitative diffusion imaging technology to oncology imaging trials. The candidate will participate in different research aspects of multi-site imaging data QC and develop integrated analysis workflow components in Matlab and Python including systematic bias correction, image registration and segmentation. Contribution to statistical error reduction analysis and technical writing for publications is also expected.

**Qualifications:** Applicant should hold a PhD in applied physics/math or biomed-engineering/computer-science, have knowledge of basic statistics and bias analysis, image processing and tensor analysis, Matlab and/or Python programming experience. Interest in medical physics and cancer diffusion MRI. Analytical data science and technical writing skills are also desirable.

**Benefits:** This NIH-funded, full-time position is available immediately. Salary is commensurate with experience. The initial appointment is for one year, with possibility for renewal based on performance up to four years.

If interested, please submit a cover letter describing current research interests and future research goals, a complete CV, relevant reprints, and the names of two references to Prof. Thomas Chenevert, PhD (tchenev@med.umich.edu) and/or Dr. Dariya Malyarenko, PhD (dariya@umich.edu; Dr. Malyarenko would be happy to meet in person at ISMRM 2022), or apply at: https://careers.umich.edu/job_detail/215845/research-fellow

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