Jefferson Integrated Magnetic Resonance Imaging Center (JIMRIC)

A new Position is open for a Senior Research Investigator/Research Associate/Postdoctoral Fellowship at JIMRIC located at the Department of Radiology in Philadelphia, Pennsylvania. The candidate will primarily work on an 5 year NIH funded study to develop a pediatric spinal cord atlas and neuroimaging biomarkers based on diffusion in the spinal cord using novel imaging techniques. They will also have the opportunity to explore his/her own independent scientific interests on a 3T Siemens Prisma scanner. Recent Ph.D. graduates in Physics, Biomedical, Computer and/or Electrical engineering or related fields with MRI experience are encouraged to apply. Significant knowledge in neuroimaging particularly in diffusion imaging as well as programming experience in IDEA (Siemens pulse sequence platform), Matlab, C/C++, Python is desired.

About JIMRIC: The MRI Physics Laboratory occupies approximately 750 square feet of contiguous floor space. The main objective of this group is to develop novel MRI and fMRI techniques for clinical and basic science research applications. Teaching opportunities are also available within and across the departments at TJU. Currently this facility has two 3T scanners, 5 1.5T scanners, and a state of the art 3T Siemens Biograph MR/PET scanner. A new state of the art Siemens 3T Prisma scanner is scheduled to be installed in December 2020. There is dedicated time for research and development and time can be rented on the scanners for research as well. The MR Physics Laboratory has several workstations for post-processing of the MRI data. There is also a graduate student's office in the facility with two post-doctoral fellows, one senior engineer, one research assistant, three full time graduate students, and two undergraduate students. The facility has one (1) large laboratory room, and three (3) large office areas. An additional lab space is located at the Jefferson Marcus Brind Center of Integrative Medicine located in Villanova where the PET/MR scanner is located.

Interested candidates please contact:
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