Carle Illinois Advanced Imaging Center (CIAIC)

Staff Scientist Opportunity at Carle Illinois Advanced Imaging Center

Carle Health is seeking a Staff Scientist to join our Functional Neuroimaging Lab at Carle Illinois Advanced Imaging Center in Urbana, IL.

The Staff Scientist will be responsible for providing members of the Shi research group and collaborating investigators with specialized support and guidance in all aspects of research including study design, protocol development, study implementation, scientific computing, data analysis, and interpretation, scientific presentations, manuscripts preparation, and contributing to grant proposals. The Staff Scientist will serve as co-investigator or other significant contributor on research projects and is expected to author or co-author publications for peer-reviewed journals.

Carle Health is a vertically integrated healthcare system with nearly 16,500 employees, a multi-specialty physician group, 8 hospitals, and health plans. Carle also collaborates extensively with the University of Illinois at Urbana-Champaign in a thorough Carle Illinois College of Medicine, the world’s first engineering-based medical school, and the Carle Illinois Advanced Imaging Center.

Essential Standard Job Functions:
- Provide expertise in planning, design, execution, and analysis of research projects
- Develop research protocols and analytical tools according to established scientific and ethical standards.
- Present research findings at conferences and seminars
- Lead and/or participate in scientific writing including conference proceedings, manuscripts, and grant proposals.
- Assist in the mentorship and training of junior laboratory members
- Assist in managing projects to completion, including timeline, budget, and aims
- Develop research collaborations and manage research projects in consultation with the PI

Specialized knowledge and Skills Requirements:
- Experience presenting scientific findings in poster and/or oral formats and publishing peer-reviewed manuscripts
- Minimum of 1 year experience working in a clinical or translational research environment, including developing research protocols, ensuring compliance with IRB and other compliance requirements, and conducting research involving patients
- Proficiency in programming (MATLAB/Python) and MRI analysis software (such as FSL, FreeSurfer, AFNI, SPM, or DSI Studio) preferred
- Experience in training and mentoring graduate students and/or undergrads on research project development and execution preferred

Education and Experience Requirements: Master’s Degree or Ph.D. in Biomedical Engineering, Electrical Engineering, Physics, Computational Neuroscience, or a related field

Master’s Degree Applicants: Minimum five years of post-graduate research experience in an advanced research environment involving biomedical imaging

PhD Applicants: Minimum two years of post-doctoral research experience in an advanced research environment involving biomedical imaging

To Apply: Please submit a CV and letter outlining relevant experience and research vision to Katie Schroeder, Career Provider Liaison at Katie.Schroeder@carle.com.

For any questions, please feel free to reach out to Dr. Zhaoyue Shi at Zhaoyue.Shi@carle.com.