Technical & Operations Director for MRI - RUSH Alzheimer's Disease Center Research Facility

This position is the Technical and Operations Director for MRI at the Rush Imaging Research Core (RIRC). The role provides MRI physics support for the 3T MRI scanner at RIRC, ensures smooth MRI operations at RIRC, and supports Rush University Medical Center investigators with their MRI research using the RIRC scanner and peripheral equipment. The successful candidate will report to the Director of RIRC, will exemplify the Rush mission, vision and values, and act in accordance with Rush policies and procedures.

Job Responsibilities:

● Responsible for the operational needs of the 3T Siemens Prisma scanner at RIRC, including performing routine quality tests, troubleshooting MRI software and hardware and peripheral equipment, and interfacing with vendors to coordinate equipment maintenance, installation of new equipment and upgrades.

● Assist in the development and updates of RIRC standard operating procedures and safety procedures.

● Lead safety and training workshops and post information about RIRC policies and guidelines on the web.

● Oversee compliance of users with RIRC policies and guidelines. Oversee smooth operation of the online scheduling system and scheduling practices.

● Provide support and guidance to RIRC users on optimal sequences and experimental approaches for each research project, set up optimized imaging protocols tailored to each project, program and test acquisition pulse sequences, and aid users with data management, usage, and interpretation.

● Attend and contribute to meetings with other RIRC members, users, and RIRC advisors.

● Interface with MRI technologists to ensure optimal project implementation.

● Stay well-informed on current technologies, best practices, and industry standards.

● Recommend changes for improvement at all levels of RIRC operations.

Required Job Qualifications:

● Ph.D. degree in Medical Physics, Biomedical Engineering or related discipline.

● Two years of experience since obtaining the Ph.D. degree.

● Knowledge of MRI physics.

● Demonstrated ability to develop, modify and test MR pulse sequences.

● Strong programming skills.

● Excellent communication, organizational and analytical skills.

● Ability to handle multiple projects, prioritize and manage own work.

● A clear interest in collaborative, multidisciplinary teamwork.
• Highly motivated, enthusiastic and detail oriented.
• Ability to work independently.

Preferred Job Qualifications:
• Experience with Siemens scanners and pulse sequence programming on the Siemens platform.

Company Highlights:
• Ranked among the top academic medical centers in the country, Rush University Medical Center is an outstanding place to enhance your career. Everything we do centers on one goal: improving patient care.
• In U.S. News & World Report’s 2019-2020 Best Hospitals issue, Rush ranked among the top 50 hospitals in 5 categories.
• The Association for the Accreditation of Human Research Protection Programs (AAHRPP) has awarded Rush full accreditation for three years. Rush is one of the first academic medical centers in Illinois to receive this accreditation.
• Rush University Medical Center received five stars in a quality rating system by the federal Centers for Medicare and Medicaid Services (CMS). Rush University Medical Center is the only five-star academic medical center in the Chicago area.
• Rush offers a competitive salary, and valuable healthy living benefits including: health, dental and vision to help you maintain and improve your health. Rush also offers several ways to invest in your future.

Rush is an equal opportunity employer. We evaluate qualified applicants without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, veteran status, and other legally protected characteristics.

To apply please email Sarah_Bricker@rush.edu

Or visit the job web page: