Implementation and Research Engineer
Research and Development

Position Title: Research Engineer
Primary Dept: Research and Development
Job Category: Research Staff
Visa: US Permanent Resident or US Citizen
Equipment: Siemens PRISMA, Philips and GE 1.5T and 3T scanners
Time frame: July 1, 2022
Base Salary: Depending on experience
Location: Bingham Farms, MI, USA

Essential Functions (Job Duties): Research in neurological, neurovascular, functional and neuroscience areas using MRI. Support ongoing research projects and develop your own projects. Implement STAGE sequences into client MRI centers and educate MRI technicians and/or radiologists while adhering to good engineering and software development practices.

Unique Duties: Candidates are expected to work independently as well as to collaborate closely with other staff/faculty in this imaging program. Research will involve applications of STAGE imaging into the clinical environment.

Qualifications: MS or PhD graduate within in the last 5 years. Must have an MS in physics, biomedical or electrical engineering, medical physics, or a closely related engineering field, and have demonstrated excellence in research with publications. Experience in MRI sequence design and implementation as well as image processing are preferred.

Ongoing research: Current research at SpinTech MRI includes a focus on dementia, multiple sclerosis, Parkinson’s disease, stroke and TBI, as well as iron and vascular quantifications as they relate to neurological conditions. We use a variety of imaging techniques including SWI, QSM, and STAGE.

For more information, please contact Prof. E. Mark Haacke or Rachel Martis-Laze at info@spintechmri.com.