Duke University

Research Associate/Scientist in Human Magnetic Resonance Neuroimaging

Occupational Summary:

Duke University is seeking a Research Associate/Scientist in MR Neuroimaging to support high-quality, cutting-edge, neuroimaging research at Duke University. We are seeking an individual who will interact closely with investigators across Duke Campus and Medical School departments to facilitate neuroimaging research by optimizing MR imaging protocols, acquisitions and analyses. This position represents an essential role in translating new advances in imaging technology to research brain imaging capability and growth at Duke. The successful candidate’s research and educational experience should emphasize imaging applications and tools for collaborative research with neuroscientists, clinicians, engineers, and physicists in a neuroscience community.

Work Performed:

The MR Neuroimaging Research Associate will provide support for imaging research and function as a liaison to the MR resources at Duke.

Work closely with Duke Neuroscientists and clinicians in a diverse, collaborative research environment to ensure cutting edge MR technology makes maximum neuroscience research impact.

Supporting research groups in obtaining the best possible structural and functional data from MR systems.

Providing technical expertise with respect to sequence selection and software.

Identifying and trouble-shooting problems related to image acquisition, post-processing and analysis.

Working closely with Duke Brain Imaging and Analysis Center (BIAC) faculty and MR technologists to implement scanner safety protocols and review quality assurance data.

Maintaining quality control in pre- and post-processing and statistical methods.

Collaborating with the broader Duke MR community to speed new advances in MR imaging to their impact on neuroscience applications.

The Research Associate will have an appointment in the Center for Cognitive Neuroscience, and will report to the Faculty Governance Committee of the Duke Institute for Brain Sciences.

Education/Qualifications: Ph.D Required along with graduate training in neuroscience, psychology, statistics, physics, computer science or engineering; at least 4 years of MR imaging research; and a record of excellence in functional MRI research required. Experience with protocol selection for functional and structural MRI, including techniques such as diffusion tensor imaging and tractography, understanding of MR hardware and image acquisition methodologies, processing strategies and analysis techniques will be beneficial.

*Position level is flexible contingent on education and years of experience*

Please email your resume and cover letter to Jill Watkins at j.watkins@duke.edu
Apply online at https://academicjobsonline.org/ajo/jobs/10919