Postdoctoral position in quantitative neuroimaging

Biomedical MR Laboratory
Mallinckrodt Institute of Radiology
Washington University School of Medicine

Position is available to work on development and application of advanced quantitative MRI techniques to study brain structure and functioning in health and disease.

Recent work is focused on application of novel quantitative MRI-based techniques (GEPCI and SMART) developed in our lab to uncover “hidden” information on brain cellular structure that is not available from conventional MRI, thus allowing early diagnostic of cognitive diseases such as Alzheimer’s, multiple sclerosis, traumatic brain injury and psychiatric illnesses.

Position is funded by a 5-year NIH/NIA grant and is available immediately. It offers excellent opportunities to work with outstanding neuroscientists and physicians at the Mallinckrodt Institute of Radiology, Knight Alzheimer’s Disease Research Center and other departments at Washington University School of Medicine.

Facilities include four human research-devoted 3T MRI and one PET/MRI Siemens scanners. Also available are 12T and 4.7T MRI scanners for animal studies.

Research in our lab is based on multiple backgrounds in neuroimaging, physics, biophysics, mathematics, data analysis and MR engineering. We maintain an open atmosphere allowing all lab members to facilitate learning and efficient use of home-built neuroimaging tools for their projects.

Applicants must have a PhD in physics, biomedical engineering, neuroscience or related fields. Previous experience in MRI, pulse sequence programming and image analysis are highly desirable.

Interested candidates should e-mail CV, a brief statement of research interests, and names and contact information of three references to:

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