Virginia Commonwealth University

Biomedical Engineering and Center for Clinical and Translational Research

The Department of Biomedical Engineering and C. Kenneth and Dianne Wright Center for Clinical and Translational Research at Virginia Commonwealth University (VCU) invite applications for a tenured or tenure track faculty position. Successful candidates will have clinical MR imaging research experience. Academic rank, compensation and appointment type will be based on qualifications and experience.

**Position:** The Collaborative Advanced Research Imaging (CARI) facility of the CCTR has a research dedicated 3T Philips Ingenia MRI scanner with a Philips research agreement. The main research interest of CARI is in quantitative multi-modal MRI. The current research at CARI includes development of novel MRI pulse sequences and advanced image analysis techniques and application to research on various neurological/neurosurgical disorders, including trauma, addiction, psychiatric disorders, stroke, cancer, and Parkinson's disease; advanced cardiac MR, advanced liver MR. Research techniques include PCASL perfusion MR, advanced fMRI, advanced diffusion MR, multinuclear spectroscopy, MOLLI T1 mapping, quantitative MDIXON, T2* mapping, and MR elastography. Opportunities exist for multi-disciplinary collaborative research.

Other responsibilities include interaction with the manufacturer for maintaining and upgrading the MRI scanners and addressing the QA requirements. The ability to teach and develop graduate and undergraduate level courses in these areas in support of the departmental curriculum is also highly desirable. The tenure home of this faculty will be in the Department of Biomedical Engineering.

**Qualifications:** We are looking for a dynamic and ambitious individual and who is also a team player. The candidate should have a PhD in Physical Sciences or Engineering, with strong background in MRI Physics, certified by the American Board of Radiology in Diagnostic Radiological Physics OR Radiological Physics and by the American Board of Health Physics (ABHP) in Comprehensive Health Physics. Meets JCAHO requirements as a qualified medical physicist and holds certification in Health Physics (ABHP) or Diagnostic Radiologic Physics. Successful candidates will be expected to secure or have (in the case of Associate or Full Professor) an outstanding track record of extramural funding. Applicants will be required to develop a research program that expands and complements existing expertise in the department and the School of Engineering. In addition, at least two years of post-doctoral experience and pulse programming on the Philips scanner and strong computational skills are highly desirable. The School of Engineering at VCU supports a diverse faculty, staff, and student environment. The candidate will demonstrate experience that shows their commitment to fostering such an environment. Candidates must desire to actively participate in creating and nurturing a highly diverse, collaborative, creative, innovative, and entrepreneurial culture.

Biomedical Engineering at Virginia Commonwealth University offers the B.S., M.S. and Ph.D. degrees and collaborates closely with clinicians and biomedical scientists on the VCU Medical Center in downtown Richmond. There are presently 17 faculty in the Department. The School of
Engineering is undergoing a period of rapid expansion and will double the number of its faculty over the next five years. Additional information about the VCU School of Engineering can be found at www.egr.vcu.edu.

The Wright Center for Clinical and Translational Research is a CTSA funded research center that houses a research dedicated 3T Philips Ingenia MRI scanner, with active research programs in brain, heart, and liver disease.

Applicants interested in this position should submit a letter outlining career objectives and practical experiences with specific imaging modalities. In addition, a curriculum vitae, three names of professional references should be included, and a statement of teaching and research interests.

Application materials must be uploaded to the www.vcujobs.com, position F55400.

This position will remain open until filled.

Questions should be sent to F. Gerard Moeller, M.D., Chair of the Search Committee, at: frederick.moeller@vcuhealth.org.

Virginia Commonwealth University is an equal opportunity, affirmative action university providing access to education and employment without regard to age, race, color, national origin, gender, religion, sexual orientation, veteran's status, political affiliation or disability.

Apply Here: http://www.Click2Apply.net/sc96hswm5yr3gxs

PI98017787