8206BR Research Associate/ Fellow in Microstructural MRI Physics

The Cardiff University Brain Research Imaging Centre seeks a creative and experienced microstructural MRI research scientist to join its team, working on the Connectom MRI system, part of the National Microstructural Imaging Facility supported by the EPSRC (see: http://www.cardiff.ac.uk/cardiff-university-brain-research-imaging-centre/research/projects/developing-new-mri-methods-for-quantifying-tissue-structure-at-the-microscopic-scale).

This is a rare and exciting career opportunity to join a successful neuroimaging centre as the successful candidate will benefit from access to a suite of Siemens MRI systems, including a Connectom system (3T with 300mT/m gradients), 7T Magnetom system and two 3T Prisma systems. These systems are well-supported by an on-site Siemens scientist, a comprehensive master research agreement with Siemens, and a talented team of physicists, engineers, radiographers and scientific support officers. The Experimental MRI Centre (http://goo.gl/9ASl6A) in the School of Biosciences houses a 9.4T horizontal bore Bruker Biospin system allowing additional microstructural experiments to be made in non-human samples, and validation of measurements on clinical systems.

We are seeking an excellent candidate, with a relevant PhD, to take forward CUBRIC’s ambitious imaging research strategy in the field of tissue microstructure mainly applied to brain but also extending to other systems such as the heart and prostate. You should have an emerging or established international profile, with an excellent publication record.

Cardiff University is recognized as one of the UK’s leading research-intensive universities. We are ranked in the top 5 in the UK’s Research Excellence Framework based on the quality of our research. CUBRIC offers excellent scientific connections underpinned by funded national networks for microstructural imaging and UHF MRI. In CUBRIC’s research field, Psychology, Psychiatry and Neuroscience, Cardiff University is ranked 2nd in the UK on research quality. CUBRIC offers a new, positive and vibrant research environment in which to work and is situated in the lively and well-connected capital of Wales.
CUBRIC moved to new purpose-built premises in 2016. The significant expansion has been brought about by funding from Cardiff University, UK Medical Research Council, Wellcome Trust, UK Engineering and Physical Sciences Research Council, The Wolfson Foundation, Welsh Government and Welsh European Funding Office. The new CUBRIC houses up to 200 researchers and in addition to the MRI systems, MEG, EEG, TMS, tDCS and a clinical research unit. You can learn more about CUBRIC at: http://sites.cardiff.ac.uk/cubric.

The post duration is for 2½ years, and will be made at either Research Associate (Grade 6), or Research Fellow (Grade 7) - according to the level of expertise and experience.

Salary: £33,199 - £39,609 per annum (Grade 6).
£42,036 - £48,677 per annum (Grade 7)

Date advert posted: 31 January 2019.
Closing date: 3rd March 2019.

Shortlisting will be performed throughout the process.

Applying:
In advance of submitting a full application, applicants are strongly encouraged to engage in informal discussions with CUBRIC’s Director (Prof Derek K Jones, jonesd27@cardiff.ac.uk) or Head of MRI (Prof Richard Wise, wiserg@cardiff.ac.uk).

Please note: applications can only be made through Cardiff University jobs website: http://www.cardiff.ac.uk/jobs. Full details of the required criteria for the position can be found in the job pack online. Please submit with your full CV, together with a summary of research interests and career goals, and a clear statement of how you meet each of the essential criteria (and any of the desirable criteria) for the role.

For other job opportunities at CUBRIC and the School of Psychology, please see http://psych.cf.ac.uk/aboutus/jobs.html

Please be aware that Cardiff University reserves the right to close this vacancy early should sufficient applications be received.

Cardiff University is committed to supporting and promoting equality and diversity. Our Inclusive environment welcomes applications from talented people from diverse backgrounds.