MICROSTRUCTURAL IMAGING RESEARCH POSITIONS

6681BR - Research Associate/Research Fellow in Microstructural Brain MRI
6677BR - Research Associate in Microstructural Imaging (2 posts)

The Cardiff University Brain Research Imaging Centre (CUBRIC) seeks three creative and experienced microstructural MRI researchers to join their team, working on two projects supported by the Wellcome Trust:

1. Opening 6681BR - working on a Strategic Award entitled ‘Multi-scale and Multi-Modal Assessment of Coupling in the Healthy and Diseased Brain’, in which the appointee will work as part of a team of 11 Fellows and in which microstructural imaging is one of multiple modalities used to understand how the brain operates at multiple scales and in multiple domains (microstructural, electrophysiological, metabolic, chemical etc.). More details of the project can be found here: [http://bit.ly/2zdpAI7](http://bit.ly/2zdpAI7).

2. Opening 6677BR (2 posts) - working on an Investigator Award entitled ‘Tractometry’ that aims to develop and apply robust, multi-modal (diffusion, relaxometry, magnetization transfer, susceptibility) quantitative methods that will enable the exploration of the microstructural underpinnings of individual differences in healthy cognition and electrophysiology.

MICROSTRUCTURAL IMAGING INFRASTRUCTURE

This is a rare and exciting career opportunity to join a successful neuroimaging centre in a phase of strong growth. 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 Siemens Master Research Agreement, and a talented team of physicists, engineers, radiographers and scientific support officers. The Connectom sits within the National Facility for In Vivo MR Imaging of Human Tissue Microstructure, supported by the EPSRC (see: [http://bit.ly/2mQfBqL](http://bit.ly/2mQfBqL)).

Complementing CUBRIC’s infrastructure, Cardiff’s Experimental MRI Centre ([http://bit.ly/2hQUWRD](http://bit.ly/2hQUWRD)) 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.
ABOUT THE CUBRIC CENTRE

CUBRIC currently houses approximately 180 researchers, 4 Siemens human MRI systems (1 x Connectom with 300mT/m gradients, 1 x 7T and 2 x Prisma systems), MEG, EEG, TMS, tDCS and a clinical research unit.

You can learn more about CUBRIC here: http://sites.cardiff.ac.uk/cubric

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, 7T MRI and magnetoencephalography. 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.

MORE INFORMATION ABOUT THE POSITIONS AND HOW TO APPLY

Please visit: http://www.cardiff.ac.uk/jobs/ and search the job reference numbers given above (6681BR and 6677BR) for full details of each opening, and the required criteria for each position.

Please note that applications can only be made through Cardiff University jobs website.

Appointment Level: Appointment will be made at either Research Associate (Grade 6), or Research Fellow (Grade 7), according to the level of expertise and experience.

Salary: Grade 6: £32,548 - £38,833 per annum; Grade 7: £41,212 - £47,722 per annum. Appointment at Grade 7 is not expected to be above starting salary grade 7.38 (£41,212).

IMPORTANT: 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) and Head of MRI (Prof Richard Wise, wiserg@cardiff.ac.uk).

Please apply with your full CV, together with a summary of your research interests and career goals, and a clear point-by-point statement of how you meet each of the essential criteria (and any desirable criteria).

CLOSING DATE: Friday 1st December, 2017
INTERVIEWS: Shortlisting will be performed throughout and interviews will be held: 14th / 15th December 2017.

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.