MAGNETIC RESONANCE SPECTROSCOPY RESEARCH POSITIONS

6673BR - Research Associate/Research Fellow in Brain MR Spectroscopy (2 posts)

The Cardiff University Brain Research Imaging Centre (CUBRIC) seeks two creative and experienced MR research scientists to join its team that is developing imaging and spectroscopy methods to better understand the healthy and diseased brain.

We are seeking excellent candidates, with a relevant PhD, to take forward CUBRIC’s ambitious neuroimaging research strategy, particularly in the field of MR spectroscopy. The posts will focus on the development and application of MRS methods, in particular, addressing the challenges and opportunities of 7 Tesla, for example, the quantification of GABA. You should have an emerging or established international profile, with an excellent publication record.

IMAGING INFRASTRUCTURE

This is a rare and exciting career opportunity to join a successful neuroimaging centre in a phase of strong growth. In early 2016 CUBRIC moved to new purpose-built premises housing four Siemens MRI systems, including a 7T Magnetom system, two 3T Prisma systems and a Connectom system (3T with 300mT/m gradients). 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 new CUBRIC houses ~180 researchers and in addition to excellent MRI facilities, includes MEG, EEG, TMS, tDCS and a clinical research unit. You can learn more about CUBRIC’s research and our MRC and Wellcome Trust funding relevant to this post at: http://sites.cardiff.ac.uk/cubric/our-funders.

Complementing CUBRIC’s infrastructure, Cardiff’s Experimental MRI Centre (http://bit.ly/2hQUWRD) houses a 9.4T Horizontal Bore Bruker Biospin system allowing additional 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, UHF 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 (6673BR) for full details 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: 21st January, 2018
INTERVIEWS: Shortlisting will be performed throughout before interviews.

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.