Job Reference Number: UOS038679

Job Title: Research Associate in Magnetic Resonance Physics

Contract Type: Fixed term for four years

Faculty: Faculty of Medicine, Dentistry and Health

Department: Department of Infection, Immunity & Cardiovascular Disease, School of Medicine

Location: Royal Hallamshire Hospital

Salary: Grade 7
£37,099 - £45,585 per annum pro-rata. Potential to progress to £49,794 per annum

Closing Date: 24th October 2023

Summary:
We have an exciting opportunity for a MRI physicist to work in the Imaging group in the Section of Imaging, Division of Clinical Medicine, located in the University of Sheffield MRI unit. The group are internationally recognised for research in MR methodology for proton and non-proton MRI methods and applications.

The post is funded for 4 years from the NIHR Sheffield Biomedical Research Centre. You will be based in the University of Sheffield MRI unit in the Imaging theme of the Division of Clinical Medicine under the mentorship of Professor Jim Wild.

The post will focus on development of methods and applications for MR spectroscopic imaging of the brain with 1H, 31P, 23Na and 129Xe nuclei.

The groups research focusses on technical development and clinical applications of imaging, in neuroscience, pulmonary, abdominal and cardiovascular diseases. Medical Imaging forms one of the core themes of the Division of Clinical Medicine, and Faculty of Health.

We are seeking candidates with a good Honours degree in Physics or Engineering (or equivalent) and a PhD in MRI Physics / Engineering (or equivalent). Candidates should ideally have practical experience in proton and / or non-proton spectroscopy and spectroscopic imaging, but those with relevant experience in other areas of MR Physics will also be considered.

This role involves MR acquisition methodology development, so previous experience in pulse sequence programming (ideally in the GE EPIC environment) and familiarity with RF coils would be advantageous.

A proven track record of high-quality scientific publications and demonstrated evidence in working in a multi-disciplinary team is essential. Previous experience in assisting the supervision of PhD students and technical staff is desirable.
We’re one of the best not-for-profit organisations to work for in the UK. The University’s Total Reward Package includes a competitive salary, a generous Pension Scheme and annual leave entitlement, as well as access to a range of learning and development courses to support your personal and professional development.

We build teams of people from different heritages and lifestyles from across the world, whose talent and contributions complement each other to greatest effect. We believe diversity in all its forms delivers greater impact through research, teaching and student experience.

To find out what makes the University of Sheffield a remarkable place to work, watch this short film: www.youtube.com/watch?v=7LbiLk18zmo and follow @sheffielduni and @ShefUniJobs on Twitter for more information.

To apply for this job, please visit Sheffield.ac.uk/jobs