



Job Reference Number:	
Job Title:	Research Associate in Renal MR Imaging
Contract Type:	Fixed-term available immediately and until 31 August 2021.
Working Pattern:	Full-time
Faculty:	Faculty of Medicine, Dentistry and Health
Department:	Department of Infection, Immunity and Cardiovascular Disease
Salary:	Grade 7 £31,866 - £40,322 per annum. Potential to progress to £44,045 per annum through sustained exceptional contribution.
Closing Date:	15 th January 2021

For more information about this role, please see the [About the Job](#).

This is an opportunity for a highly motivated MRI physicist/engineer to work with our team at the Medical Imaging Group in the Department of Infection, Immunity and Cardiovascular Disease (IICD). The candidate will work on a major international EU-funded (public-private partnership) research project, Biomarker Enterprise to Attack Diabetic Kidney Disease (BEAt-DKD; www.beat-dkd.eu). The BEAt-DKD project aims to identify and validate improved prognostic biomarkers for development of effective and personalized treatments for Diabetic Kidney Disease (DKD) and involves a tight collaboration between academia, industry and SME's.

You will work closely with professor Steven Sourbron, Chair in Medical Imaging Physics, who has a core expertise in quantitative and functional MRI, serving as principle investigator on several international projects, including as chair of the ongoing COST action on renal MRI (www.renalmri.org) and Work Package lead within the BEAt-DKD project.

Your work will be aligned with the ongoing iBEAt study, a prospective multi-centre observational cohort recruiting 500 patients with type 2 diabetes at 6 participating sites in Europe (Bari, Bordeaux, Exeter, Leeds, Sheffield, Turku). The recruited patients undergo quantitative multi-parametric renal MRI (multi-vendor 3T scanners) and US at baseline followed by a central processing of the MRI images at Sheffield. Further details about the study including MRI protocol can be found on [medrxiv](#).

The post will suit candidates who hold an honours degree in Physics or Engineering or equivalent experience. It's essential they have a PhD (or be close to completion) in MRI Physics or Engineering or equivalent experience. Candidates must have a track record of publication in MR and imaging journals. Image processing and computational skills, specifically python are crucial. Candidates need to have effective communication skills, both written and verbal, and experience of delivering presentations. Experience of working in a multi-disciplinary team and being able to manage their own time is crucial. Candidates must have an ability to develop creative approaches to problem solving. The ability to manage an independent, original research project, attention to detail and a proven ability to keep accurate and reliable records is essential.

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 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.

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For further information please contact Steven Sourbron at s.sourbron@sheffield.ac.uk. To apply for this role, please visit www.sheffield.ac.uk/jobs.

