



The  
University  
Of  
Sheffield.

<b>Job Reference Number:</b>	
<b>Job Title:</b>	Research Associate in MRI Reconstruction
<b>Contract Type:</b>	Fixed-term available immediately and with an end date of 31 December 2021.
<b>Working Pattern:</b>	Full-time
<b>Faculty:</b>	Faculty of Medicine, Dentistry and Health
<b>Department:</b>	Department of Infection, Immunity and Cardiovascular Disease
<b>Salary:</b>	Grade 7 £31,866 - £40,322 per annum. Potential to progress to £44,045 per annum through sustained exceptional contribution.
<b>Closing Date:</b>	15 <sup>th</sup> January 2021

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

This is an opportunity for a highly motivated post-doctoral MRI physicist/engineer to work with our team at the Medical Imaging Group in the Department of Infection, Immunity and Cardiovascular Disease. The candidate will work on a major international EU-funded research project, Translational Imaging in Drug Safety Assessment (TRISTAN; [www.imi-tristan.eu](http://www.imi-tristan.eu)). The post is aligned to TRISTAN's work package 2, which will develop new liver imaging techniques that will help drug developers bring new, safer drugs to the market. TRISTAN is a tight collaboration between partners in 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 principal investigator on several international projects including as chair of the ongoing COST action on renal MRI ([www.renalmri.org](http://www.renalmri.org)) work package lead in the BEAT-DKD project ([www.beat-dkd.eu](http://www.beat-dkd.eu)) and chair of the open source initiative for perfusion imaging ([www.osipi.org](http://www.osipi.org)).

Your work will be aligned with the clinical studies in TRISTAN, performed in the UK and Sweden, which will aim to demonstrate that novel MRI biomarkers of hepatocellular function developed within TRISTAN are able to characterize the effects of drugs and liver disease on function.

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. Experience in development of MRI reconstruction methods is 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](mailto:s.sourbron@sheffield.ac.uk). To apply for this role, please visit [www.sheffield.ac.uk/jobs](http://www.sheffield.ac.uk/jobs).