

PostDoc Position Announcement: Research Fellow in Magnetic Resonance Imaging

<https://jobs.leeds.ac.uk/vacancy.aspx?ref=MHLCM1084>

Are you an ambitious researcher looking for your next challenge? Do you have a background in in Magnetic Resonance Imaging (MRI) physics or a related discipline? Do you want to further your career in one of the UK's leading research intensive Universities?

With a strong background in working with MRI scanners, specifically optimisation of imaging sequences and application in clinical/preclinical or phantom studies you will support the major international EU-funded research project Biomarker Enterprise to Attack Diabetic Kidney Disease (BEAt-DKD). You will also have experience in computer programming, either with Matlab, IDL, Python or C++ software.

Your role in this project will be: (1) to develop novel imaging biomarkers for human kidneys derived from Dynamic Contrast Enhanced MRI (DCE-MRI) data, including recently proposed spatio-temporal kinetic modelling combined with direct parametric reconstruction techniques for 4D undersampled imaging sequences; (2) to support a multicentre study by developing a multi-parametric MRI imaging protocol for human kidneys, including image processing algorithms and quality assurance, translating this across to the other international sites involved in the study, and verifying reproducibility.

To explore the post further or for any enquiries you may have, please contact:

Dr Steven Sourbron, Lecturer within the Division of Biomedical Imaging

Telephone +44(0)113 343 6063, email: s.sourbron@leeds.ac.uk