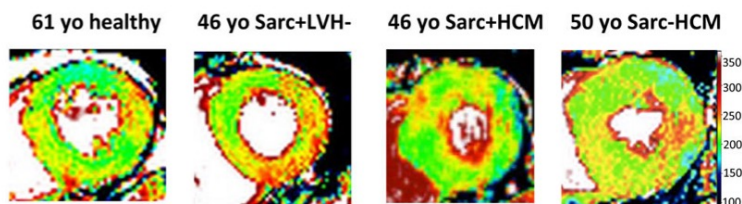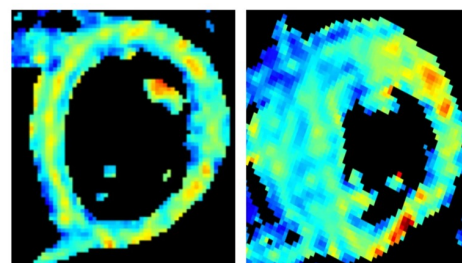# Senior Post-Doctoral Researcher in Clinical Magnetic Resonance Imaging

We are seeking a highly motivated Senior MR Physicist to join the MRI physics group at the Oxford Centre for Clinical Magnetic Resonance Research (OCMR) to lead an exciting project aiming to explore the development of novel quantitative clinical MRI imaging approaches (e.g., BOLD, DTI etc) for the simultaneous assessment of disease in the heart and other organs (liver, kidneys, lungs, brain) and the inter-relationships between those quantitative measurements in different organs.

You will report to the Director of MR Physics at OCMR, Prof. Damian Tyler, and be supported by the rest of the MR physics team, along with the large clinical group at OCMR. This is an exciting opportunity for a postdoctoral researcher to lead the development of new MRI imaging methods and test their utility in disease, and to develop and validate model-based analysis methods. OCMR has a wealth of MR facilities including a Siemens 1.5T Avanto, a Siemens 3T Prisma, a GE 3T Premier and a clinical GE "SpinLab" hyperpolarizer system (OCMR). We are also adjacent to the FMRIB centre which provides access to a whole-body Siemens 7T MRI system.

Cardiac BOLD Imaging

Cardiac DTI Imaging

As part of the role, you will develop new MR imaging and analysis methods for quantitative imaging approaches in the body and advise other researchers at OCMR on appropriate MR acquisition protocols and analysis methods for use in their studies, and work with external collaborators to deliver harmonised MR protocols for national imaging studies.

You will be required to hold a relevant PhD/DPhil with relevant postdoctoral experience and possess sufficient specialist knowledge in magnetic resonance imaging to develop research projects and methodologies in the field.

This is a fulltime appointment funded until November 2027 and based at the John Radcliffe Hospital in Oxford, UK. Further details are available here but please do contact damian.tyler@cardiov.ox.ac.uk if you would like to arrange an informal discussion about the post.

Applications for this post are to be made online; you will be required to upload a CV and supporting statement which explains how you meet the selection criteria for the post. Only applications received before midday on 31st October 2023 can be considered. Interviews are scheduled to take place in the w/c 6th November.