Post-Doctoral Research Assistant in Cardiac Hyperpolarized Magnetic Resonance Imaging

We are seeking an enthusiastic Post-Doctoral Research Assistant (PDRA) to develop and apply novel hyperpolarized magnetic resonance imaging approaches for the study of metabolic alterations in the hypertrophied and failing human heart. Based at the Oxford Centre for Clinical Magnetic Resonance Research (OCMR), this position offers an exciting opportunity for someone who is interested in working in a fast-moving area of science and who can work well within a multi-disciplinary team consisting of clinicians, MR physicists, engineers, and image analysts. The post is funded by a British Heart Foundation (BHF) Programme Grant.

The application of hyperpolarized magnetic resonance imaging in clinical studies is an emerging field at Oxford, building on a wide array of prior pre-clinical studies and a vast experience of developing and applying novel cardiac MRI approaches in first-in-human studies. We have funding for a series of clinical studies in the hypertrophied and failing human heart, which will be facilitated by our close links with the clinical cardiology team and the strong cardiac MR physics group based at OCMR, you will be therefore be well supported in your role enabling these exciting studies.

You will be required to hold (or be near completion of) a PhD or equivalent in physics, engineering, or a similar subject and have experience of magnetic resonance spectroscopy (MRS) and/or magnetic resonance imaging (MRI). Experience of working with volunteers / patients in a clinical study setting and/or with clinical study data would be desirable.

This is a full time appointment on a fixed term contract until 31 December 2024 and you will be based at the Oxford Centre for Clinical Magnetic Resonance Research (OCMR), John Radcliffe Hospital, Oxford, OX3 9DU.

For further details please click here or contact damian.tyler@dpag.ox.ac.uk or adrienne.siu@cardiov.ox.ac.uk for an informal discussion about the post.

Applications for this vacancy 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.

Applications must be received before 12.00 midday on 30th November 2021 with interviews scheduled to take place in the middle of December.