Recruitment

Research Fellow in Metabolic Imaging

School of Medicine - Division of Clinical Neuroscience, Radiological Sciences Research Group in association with the National Institute for Health Research (NIHR) Nottingham Clinical Research Facility (CRF)

£30,395 – £31,302 per annum depending on skills and experience.

Applications are invited for the above post based at the Queen’s Medical Centre, Nottingham.

The purpose of this role will be to develop and apply innovative MRI methods for dynamic metabolic characterisation of pathologies as part of our NIHR Nottingham Biomedical Research Centre and Clinical Research Facility supported experimental imaging platforms. The proposed research will be undertaken in collaboration with the Sir Peter Mansfield Imaging Centre making use of the world-leading expertise and MRI infrastructure. Specifically, the postholder will be expected to contribute to our research objectives to implement non-invasive MRI methods (deuterium MRI and dynamic nuclear polarization) to study altered metabolism in patients with brain tumours and dementia.

The successful candidate will be expected to plan and conduct work using non-proton spectroscopic imaging at 3 and 7T to study the metabolic fluxes of labelled metabolites, such as glucose, glutamine or pyruvate. There will be the opportunity to use initiative and creativity to identify areas for research, develop research methods and extend their research portfolio.

Candidates must have PhD or equivalent in MR Physics or the equivalent in professional qualifications and experience in research area OR be near to completion of a PhD if in the area of MR spectroscopy. Excellent oral and written communication skills, including the ability to communicate with clarity on complex information are essential. Experience in MRSI analysis and/or metabolic modelling and Pulse programming skills are desirable.

This post will be offered on a fixed-term contract until the 31st March 2022. This post is open to job share.

To apply please click this link: 
https://www.nottingham.ac.uk/jobs/currentvacancies/ref/MED209119