



NUFFIELD DEPARTMENT OF
CLINICAL NEUROSCIENCES

West Wing, Level 6, John Radcliffe Hospital, Oxford, OX3 9DU

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Job title	Post-Doc in MRI Physics and Image Analysis
Vacancy ID	148942
Department	Nuffield Department of Clinical Neurosciences (NDCN)
Location	WIN (FMRIB), University of Oxford, John Radcliffe Hospital, Oxford, UK
Grade and salary	Grade 7: £32,817 - £40,322 per annum
Hours	Full time (37.5 hours / 100%FTE)
Contract type	Fixed-term (to 31 August 2022)

A postdoctoral MRI Physicist is sought to join an NIHR BRC-funded post as part of a collaboration between the MRI Physics Group, FMRIB Centre and the Imaging Theme of the NIHR Oxford Biomedical Research Centre. This individual will lead a technical project aimed at translating novel MRI physics developments into clinically relevant tools, with a particular emphasis on assessing cerebrovascular health. The MR studies will be performed using the range of human MRI scanner technologies available in Oxford, principally a combination of the University's research-dedicated 3 Tesla Siemens scanners (Verio and Prisma) but also potentially the FMRIB Centre's 7 Tesla Siemens whole body MRI system and the NHS Siemens Vida scanner.

The post will be supervised by Prof. Peter Jezzard in the FMRIB Centre. It is expected that the post holder will lead all aspects of theoretical modelling, practical implementation (ideally including pulse programming), and validation of the various MRI methods, and will work in close collaboration with MRI physics, image analysis, and clinical colleagues. Key research interests include (i) tissue perfusion (using arterial spin labelling); and (ii) vascular pulsatility and reactivity (to assess small vessel disease). The postholder should hold a PhD in MR physics, biomedical application of MRI, or closely related fields. They should also have substantial experience in and knowledge of magnetic resonance imaging as well as an excellent academic track record. Experience with Siemens IDEA pulse programming environment and Siemens ICE image reconstruction environment would be desirable.

Further details may be found at:

https://my.corehr.com/pls/uoxrecruit/erq_jobspec_details_form.jobspec?p_id=148942

The closing date for applications is: Midday, 09 February 2021.

Interviews for shortlisted candidates will be held as soon as possible thereafter, and the post would be available as soon as the candidate could start thereafter.

Applications for this vacancy are to be made online.

To apply for this role and for further details, including the job description and selection criteria, please follow the link above:

Only applications received before 12.00 midday on 9th February 2021) will be considered.