Wellcome Centre for Integrative Neuroimaging, University of Oxford

Postdoctoral Researcher

Grade 7: £31,604 - £38,833 p.a.

We are seeking a highly motivated and talented researcher to join the Wellcome Centre for Integrative Neuroimaging (WIN, formerly FMRIB) Physics Research group to work on a project relating to the development of advanced data acquisition and image reconstruction methods for functional imaging of non-human primates (NHP).

The full-time role will be based at the WIN at the John Radcliffe Hospital, for 2 years in the first instance. The postholder will benefit from their state of the art facilities and dynamic scientific environment at the WIN, and will be a member of the Physics Research group (www.win.ox.ac.uk/research/physics-research) directed by Professors Karla Miller and Peter Jezzard. The postholder will produce an optimised acquisition and reconstruction platform for the customised NHP imaging system. The role will involve the development of simultaneous multi-slice (SMS) EPI imaging methods for robust SMS reconstruction in awake behaving NHPs using a custom-built receive array, for applications in functional MRI and potentially diffusion MRI.

The ideal candidate will hold, or be close to attaining, a doctoral degree in physics, engineering or other relevant discipline with demonstrable experience in MR acquisition and image reconstruction techniques. Experience with pulse sequence programming would be beneficial, as would experience working with MATLAB, Python or C++. You will have a proven track record of publishing work and excellent communication and interpersonal skills, along with the ability to manage your own research and administrative activities, and an excellent academic track record.

Informal enquiries may be addressed to Dr Mark Chiew (mark.chiew@ndcn.ox.ac.uk) or Professor Karla Miller (karla.miller@ndcn.ox.ac.uk).

Applications for this vacancy are to be made online. You will be required to upload a CV, a statement of research interests including detail of how your past experience and future plans fit with this project, and contact details of two referees as part of your online application.

The closing date for applications is 12:00 midday on 9 September 2019.

The Job Description and details on how to apply can be found at: https://my.corehr.com/pls/uoxrecruit/erq_jobspec_details_form.jobspec?p_id=142075