Title: MR Physicist and Medical Image Analyst

Salary: £38,006 - £46,627

Location: Hammersmith Campus

Job Summary

We are seeking a talented scientist to take a lead role in developing world-class translational research in human MR imaging. This post is based within a vibrant multi-disciplinary academic facility, which hosts a community of scientists and clinicians using imaging to investigate genetic, cardiovascular, neurological and metabolic causes of disease.

Duties and responsibilities

You will be responsible for all aspects of MR physics and analysis from developing innovative acquisition and reconstruction pipelines to performing advanced data management and image processing.

We have a diverse portfolio of studies including MR fingerprinting, oxygen-enhanced MRI, 31P spectroscopy, 4D flow, exercise CMR, 3D ASL, as well as task and resting state fMRI studies. You will be using new 1.5T Siemens Aera and 3T Siemens Prisma systems equipped with VisualSystem stimulus presentation, a Lode exercise ergometer and the latest high-density coils.

We are looking for a candidate with broad experience across a range of clinical MRI applications and expertise of a variety of pulse programming, image analysis and statistical tools. Coding skills are essential to the role and experience of Linux environments and machine learning libraries would be an advantage. There are excellent opportunities for personal development including training on the latest version of Siemens IDEA/ICE and working closely with a cross-campus community of physicists and image scientists.

Essential requirements

You will need:

- A PhD in a relevant discipline and post-doctoral experience across a range of clinical MRI applications.
- Previous experience in the acquisition and analysis of fMRI and cardiovascular studies.
- Knowledge of pulse programming and sequence development.
- Advanced coding skills with experience of image reconstruction and post-processing.

Further Information

Should you require any further details on the role or to arrange an informal visit, please contact: Dr Declan O’Regan (Consultant Radiologist and Facility Manager) at declan.oregan@imperial.ac.uk.

Closing date: 2 February 2020

To apply, visit www.imperial.ac.uk/jobs and search by the job reference MED01584