

Imperial College London

Department of Imaging Sciences and Department of Computing
Institute of Clinical Sciences and Faculty of Engineering

Research Associate

Salary Range: £26,860 - £39,130 per annum

As part of an exciting new research project, applications are invited for a post-doctoral Research Associate for an innovative programme of research in developing intelligent algorithms for medical imaging in the presence of motion. The position is part on a five year EPSRC programme grant initiative with UCL, KCL and the Institute of Cancer Research that aims to change the way medical imaging is currently used. The objectives of the project are to extract information that can be used to inform diagnosis and guide therapy directly from the measurements of imaging devices, particularly MRI scanners. The research will be carried out as a collaboration between computer scientists, imaging scientists and clinicians.

Applicants for the position should have a PhD in medical imaging or a related field such as Computer Science, Mathematics, Physics, Engineering or similar. Candidates are required to possess an excellent understanding of the principles and practical aspects of medical image acquisition, processing and analysis. They will be highly self-motivated and able to work independently and as part of a multidisciplinary team. A demonstrable record of peer reviewed journal publications and strong expertise in C/C++, and/or Matlab are essential. In addition, knowledge of MR image acquisition and reconstruction, machine learning or image processing highly desirable.

The position offers an excellent opportunity to be involved in inter-disciplinary research in a thriving scientific environment. The post-holder will be based at the Hammersmith Hospital campus or South Kensington campus. The post is available for two years.

Informal enquiries are welcome and should be made to Professor Daniel Rueckert (d.rueckert@imperial.ac.uk) or Professor Jo Hajnal (j.hajnal@imperial.ac.uk).

Our preferred method of application is online via our website at <http://www3.imperial.ac.uk/employment> (please select "Job Search" then enter the job title or vacancy reference number into "Keywords"). Please complete and upload an application form as directed **quoting reference number HM2010125**.

Alternatively, if you are unable to apply online, please email hmrecr@imperial.ac.uk to request an application form.

Closing Date: 25 August 2010 (Midnight BST)

Committed to equality and valuing diversity. We are also an Athena Silver SWAN Award winner and a Stonewall Diversity Champion.