

Re-advertisement

**Research Associate
(Diffusion Tensor Imaging of the Fetal Brain)**

Salary Range: £26,720 - £31,340 per annum

There is a revolution happening in fetal imaging with exciting developments in both Ultrasound and Magnetic Resonance Imaging (MRI). Our research groups have been pioneers in fetal MRI and have developed new, more accurate and informative methods for imaging the developing brain. The successful applicant will work on the next phase of this programme of research to help make fetal diffusion tensor imaging (DTI) and tractography a reality. The project involves developing methods to reconstruct and analyse fetal DTI data and will take advantage of a recent upgrade to a 32-channel receiver system, which has greatly improved image quality. You will be involved in pilot studies to test the methods you develop and in collaborative research studying the developing human brain.

The successful candidate will have a PhD in Magnetic Resonance (MR) Physics or Image analysis or a related discipline, or equivalent research or industrial experience. You will join our Imaging Physics & Engineering and Perinatal Imaging research groups within the Department of Imaging Sciences, Institute of Clinical Sciences, based at the Hammersmith Hospital campus, located in East Acton. This grouping provides a strong interdisciplinary environment, with access to large amounts of data and facilities to test new ideas.

This post is full-time and fixed-term for two years.

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 HM2010063**.

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

Closing Date: 9 June 2010 (Midnight BST)

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