Research Assistant

Vacancy Ref: 018518

Salary: Grade 6, £27,629 - £31,076 per annum

An advanced MRI RF coil development laboratory is being setup at the Imaging Centre of Excellence, Queen Elizabeth University Hospital, Glasgow. We are seeking to recruit a Research Assistant / RF engineer to develop RF coils for high field MRI applications. The imaging centre is envisioned as a ‘triple helix’ partnership by bringing together Academia, Industry and the NHS, providing an outstanding opportunity to collaboratively accelerate their research towards impact on patient care, society and the economy.

The post-holder will contribute to the design and development of RF coils for human MRI at 7T and higher field strength MRI scanners. The researcher selected for this post will simulate, design, develop and validate application-specific, multi-channel RF coil arrays for proton and multi-nuclei MRI. These RF coils will then be used by in-house neuroscientists and clinical researchers in various fMRI and clinical studies. The researcher will also write and communicate results as scientific papers and in scientific presentations at national and international conferences.

Applicants should have Masters Degree or equivalent in Physics / Electrical / Biomedical Engineering or PhD (or expect to receive in the near future) in Physics / electrical engineering/ biomedical engineering related field. Ideally, applicants will have direct experience in RF circuit design, 3D EM simulation and MATLAB. Any applicant will have enthusiasm, and a clear, demonstrable capacity for acquiring expertise in these techniques.

This post is full time and funding is available for three years in the first instance. Informal enquires may be made to Dr. G. Shajan (shajan.gunamony@glasgow.ac.uk).

For more information and to apply online please visit www.glasgow.ac.uk/jobs

Closing date: 13th August 2017