Post-Doctoral Researcher in MRI Reconstruction

The School of Biomedical Engineering and Imaging Sciences at King’s College London has been recently awarded an EPSRC project grant to develop novel acquisition and reconstruction methods for cardiac MRI. The School is equipped with 6 research MRI scanners and is highly interdisciplinary covering MR physics/engineering, image computing and analysis, computational modelling and clinical translation. We are based at St Thomas’ Hospital in central London across from landmarks such as the Big Ben and London Eye.

The post holder is expected to be part of a team working to develop novel acquisition, reconstruction and motion correction techniques for 3D free-breathing whole-heart MRI (https://kclvvmimaging.wordpress.com/). The post holder will be primarily responsible for developing and implementing reconstruction and machine learning techniques for multi-contrast 3D cardiac MRI, and designing and running validation experiments in phantoms, healthy subjects and patients.

To apply for this role please go to:

https://www.hirewire.co.uk/HE/1061247/MS_JobDetails.aspx?JobID=78442

The successful candidate must be highly motivated and have an advanced degree (Ph.D.) in Physical Science, Biomedical Engineering, Electrical Engineering, Computer Sciences or related field. The candidate should have MRI reconstruction and MATLAB/C++ programming knowledge, ideally the candidate should also have skills in MRI acquisition and pulse sequence programming. The research will be carried out in a multi-disciplinary team of MR physicists, computer scientists and clinicians – therefore, the ability to work cooperatively and collegially within this diverse environment is essential. A record of peer reviewed journal publications is required.

For informal discussions to find out more about the posts please contact Dr. Claudia Prieto via email at claudia.prieto@kcl.ac.uk.