Post-Doctoral Research Associate
in Cardiac MRI

A post-doctoral research associate position is available at King’s College London within the Department of Biomedical Engineering in the School of Biomedical Engineering and Imaging Sciences, located at the St Thomas Hospital. King’s College London, with its 200 years of heritage, is recognised today as a world-leading research university.

The applicant will participate in a newly funded project from the British Heart foundation on the development of a novel guidance approach to ablation of cardiac arrhythmia by combining imaging data, implanted device electrograms and computational model. The applicant will focus on the development of novel cardiac MRI techniques for patients with implanted devices. This will involve the development of novel MR acquisition and reconstruction approaches, publishing in high impact journals and presenting findings at international conferences.

The applicant will join an interdisciplinary environment at King’s College London with a strong experience and expertise in cardiac MRI, computational modelling and ablation of cardiac arrhythmias. Our centre is equipped with several MRI scanners including one low field (0.55T), two 1.5T and two 3T Siemens scanners. The post-holder will work under the supervision of Dr. Sébastien Roujol (imaging lead) and Dr. Martin Bishop (PI of the overall research programme).

The successful candidate should have a PhD in biomedical engineering, medical physics or related fields. The candidate should have good programming skills (Matlab/C++) and a strong experience and track record in at least one of the following: MRI sequence development and/or MR-reconstruction/image processing techniques (preferably using the Siemens IDEA environment).

The initial appointment is for a period of 1 year, with possible extension based on satisfactory performance and availability of funding. The salary will be paid at Grade 6, £38,304 - £45,026 per annum, based on experience. If you would like to know more about the position, express your interest or discuss your suitability for the post, please contact Dr. Sébastien Roujol via email at sebastien.roujol@kcl.ac.uk. The deadline for applications is 17 May 2022.

To apply for this role, please visit this link, and register to download and submit the specified application form.