

Imperial College London

Job Title: Research Associate, Cardiovascular Magnetic Resonance

Department/Division/Faculty: National Heart and Lung Institute, Faculty of Medicine

Salary: £36,800 - £38,730 per annum

Campus: Royal Brompton London

We wish to recruit a highly motivated post-doctoral Research Associate to join a team of physicists working on ways to increase the speed, accuracy and robustness of cardiovascular magnetic resonance imaging techniques headed by Professor David Firmin. The post is located in the Cardiovascular Research Centre of the Royal Brompton Hospital in Chelsea, right in the heart of London. Royal Brompton Hospital has 4 MR scanners dedicated to cardiovascular imaging, 3 at 1.5 Tesla and 1 at 3 Tesla.

Imperial College is ranked within the top ten universities of the world, according to the 2018 Times Higher Education Supplement league tables.

The research post is funded through a project grant awarded to Dr Jenny Keegan by the British Heart Foundation, the grant remit being to develop arrhythmia insensitive MRI for assessment of native, surgical and post-ablation scar tissue in patients with heart rhythm disturbance. It is funded for 36 months.

You will have a recent PhD in magnetic resonance imaging with extensive experience of MRI sequence development and a good knowledge of MRI physics. You should have a proven research track record through peer review publications and conference presentations. You will also have excellent communication, organisational and time management skills and a creative approach to problem solving, together with the ability to work constructively and effectively within the team.

Key duties/responsibilities: The key duty of the post holder is to develop an acquisition strategy that minimises sequence sensitivity to heart rate variability and to implement and validate that strategy on a clinical MRI scanner.

Training may be provided within post.

You will hold a substantive contract with Imperial College London and an honorary contract with Royal Brompton and Harefield NHS Foundation Trust.

For informal enquires and details of how to apply, please contact Dr Jenny Keegan (email: j.keegan@imperial.ac.uk) or Professor David Firmin (email: d.firmin@imperial.ac.uk).

Closing date: 25th November 2018
Reference: MED00280

[Imperial Expectations guide the behaviour of all our staff.](#)

Committed to equality and valuing diversity, we are also an Athena SWAN Silver Award winner, a Stonewall Diversity Champion, a Disability Confident Employer and are working in partnership with GIRES to promote respect for trans people.

The College is a proud signatory to the San-Francisco Declaration on Research Assessment (DORA), which means that in hiring and promotion decisions, we evaluate applicants on the quality of their work, not the journal impact factor where it is published. For more information, see <https://www.imperial.ac.uk/research-and-innovation/about-imperial-research/research-evaluation/>