Job announcement
Post-doctoral Research Associate — Cardiac MR Physics
School of Biomedical Engineering & Imaging Sciences
King's College London

The post:
We have an exciting Post-doc position in cardiac MR Physics at King's College London funded by the British heart Foundation. **The project aims** to devise and validate a heartrate-independent, motion-resilient and fast 3D free-running cardiac T1 mapping sequence with dictionary matching at a 3T clinical scanner suitable for preclinical imaging. Using this sequence and novel molecular imaging probes the project will investigate whether molecular MR imaging can provide readouts for precision imaging of cardiac fibrosis to detect hearts at risk of failing and monitor therapeutic response.

The team:
The research group at KCL is an interdisciplinary team of physicists, imaging biologists, chemists, and clinicians that work to develop novel MR imaging techniques and molecular imaging probes for the non-invasive detection of cardiac fibrosis in preclinical models of heart failure. We foster an environment that encourages collaboration and sharing of ideas. The group is linked to the international community, and we will work to support your career development.

Candidates should hold a PhD in MR Physics or related fields and need to have experience in MR sequence development and programming skills. The candidate will work both independently and also closely collaborate with an imaging biologist to test and validate the newly developed sequence for accurate molecular imaging of cardiac fibrosis in rodent models of heart failure. The position is funded for a maximum duration of 1.5 years and is immediately available.

Salary: £43,205 - £44,347 per annum including London allowance

For more details contact:
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