College of Medical, Veterinary and Life Sciences
MVLS Administration
Imaging Centre of Excellence

Research Assistant/Associate – RF Coil Development
Vacancy Ref: 065147
Salary: £29,614 - £33,309/£36,382 - £40,927 per annum

We are seeking to appoint a talented and highly motivated researcher to design and develop radiofrequency (RF) coils and be part of a multi-disciplinary group of engineers, physicists and clinicians at the Imaging Centre of Excellence (ICE), University of Glasgow.

The post holder will work on a UKRI funded program which offers an exciting opportunity to collaborate with NHS clinicians and develop novel RF coils for clinical applications at 7 Tesla (T).

The project aims to develop parallel-transmit coils in combination with multi-channel receive coils for MRI at 7T. You will be responsible for the complete development cycle of the coil, starting from design optimisation using EM simulations, engineering / construction of the RF coil and safety validation. In addition, you will also have the opportunity to be involved in our multi-disciplinary team developing solutions for 7T clinical research.

The ICE building is located within the Queen Elizabeth University Hospital, Glasgow and it houses a state-of-the-art 7T Terra scanner, which is fully integrated in a clinical setting. An RF coil development lab equipped with measurement equipment and EM simulation infrastructure has been setup within ICE. We also have access to a fine-mechanic workshop and design houses offering industrial design of the coil housing, and a track record of developing custom-built coils for ultra-high field research use.

For appointment at Grade 7, you must hold a PhD in MRI physics, electrical/electronic engineering or a related subject. Expertise in Matlab programming is essential. You must be hands-on, and eager to conduct test and measurements in an electronics lab. Soldering skills are desirable. You will also have excellent time management skills and the ability to work effectively both in a team and independently.

The position is available immediately for 24 months, with a possibility for further extension.

For informal enquiries, please contact Dr Shajan Gunamony, at shajan.gunamony@glasgow.ac.uk.

For more information and to apply online please follow the link:

Closing date: 30 September 2021

It is the University of Glasgow’s mission to foster an inclusive climate, which ensures equality in our working, learning, research and teaching environment.

We strongly endorse the principles of Athena SWAN, including a supportive and flexible working environment, with commitment from all levels of the organisation in promoting gender equity.

The University of Glasgow, charity number SC004401.