University of Glasgow
College of Medical, Veterinary and Life Sciences
School of Psychology & Neuroscience

Research Assistant/Associate
Vacancy Ref: 128612
Salary: Grade 6/7, £32,332 - £36,024 /£39,347 - £44,263 per annum.

We are seeking to appoint a talented and highly motivated postdoctoral researcher to design and develop radiofrequency (RF) coil 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 and 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 optimization 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 equipments and EM simulation infrastructure has been set up within ICE. We also have access to 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.

You must be hands-on, eager to conduct test and measurements in an electronics lab. Soldering skills are desirable. Expertise in Matlab programming is essential. You will also have excellent time management skills and the ability to work effectively both in a team and independently.

For appointment at Grade 7, the successful candidate must hold a PhD in MRI physics, electrical/electronic engineering, or a related subject.

Please visit our website for further information on the School of Psychology & Neuroscience
https://www.gla.ac.uk/schools/psychologyneuroscience/

For further information, please contact Dr Shajan Gunamony Shajan.Gunamony@glasgow.ac.uk

Apply online at: https://my.corehr.com/pls/uogrecruit/erq_jobspec_version_4.jobspec?p_id=128612

This post is full time and has funding for up to 22 months with a possibility for further extension depending on performance.
Closing Date: 17 October 2023

We believe that we can only reach our full potential through the talents of all. Equality, diversity and inclusion are at the heart of our values. Applications are particularly welcome from across our communities and in particular people from the Black, Asian and Minority Ethnic (BAME) community, and other protected characteristics who are under-represented within the University. Read more on how the University promotes and embeds all aspects of equality and diversity within our community https://www.gla.ac.uk/myglasgow/humanresources/equalitydiversity/

We endorse the principles of Athena Swan https://www.gla.ac.uk/myglasgow/humanresources/equalitydiversity/athenaswan/ and hold bronze, silver and gold awards across the University.

We are investing in our organisation, and we will invest in you too.