CANDIDATE BRIEF

Research Assistant in PET Physics, Faculty of Medicine and Health

Salary: Grade 6 (£27,511 – £32,817) p.a.

Reference: MHLCM1228

Closing date: 11 September 2020

Fixed-term for up to 7 months

Research Assistant in PET Physics
Faculty of Medicine and Health
Leeds Institute of Cardiovascular & Metabolic Medicine

Are you an early career researcher looking for your first challenge? Do you have a background in Image Reconstruction? Do you want to further your career in one of the UK's leading research intensive Universities?

The University of Leeds expands its research activities in the field of Positron Emission Tomography (PET). The aim of the particular role is to work in collaboration with an industrial partner to develop image reconstruction software for their prototype brain PET scanner. The project will involve C++ and Python or MATLAB code development.

What does the role entail?

As Research Assistant your main duties will include:

- Working with and in support of Dr Charalampos Tsoumpas' research team to ensure the project is successfully completed.

- Writing reports with guidance as necessary;

- Working as part of a larger team of researchers and our industrial collaborators engaging in knowledge-transfer activities where appropriate and feasible;

- Supporting research activities, including contributing to research results and outputs and to the generation of independent and original ideas, ensuring a successful programme of investigation;

- Contributing to the research culture of the School, where appropriate;

- Continually updating your knowledge, understanding and skills in the research field.

These duties provide a framework for the role and should not be regarded as a definitive list. Other reasonable duties may be required consistent with the grade of the post.

You will report to Dr Charalampos Tsoumpas, Lecturer in Medical Imaging.

What will you bring to the role?

As Research Assistant you will have:

- A first degree / Masters / PhD in the subject area or a closely allied discipline;
- A background in the field of Image Reconstruction for Positron Emission Tomography;
- A strong background in programming including C++ and Python or MATLAB;
- Good interpersonal and communication skills, both written and verbal and the ability to communicate effectively with a wide range of stakeholders;
- Well-developed analytical skills;
- Good time management and planning skills, with the ability to meet tight deadlines;
- A proven ability to work well both individually and in a team;
- The ability to work unsupervised and to use your own initiative.

You may also have:

- A track record of using and developing the open source "Software of Tomographic Image Reconstruction".

How to apply

You can apply for this role online; more guidance can be found on our How to Apply information page. Applications should be submitted by **23.59** (UK time) on the advertised closing date.

Contact information

To explore the post further or for any queries you may have, please contact:

Dr Charalampos (Harry) Tsoumpas, Lecturer in Medical Imaging
Tel: +44 (0)113 343 8003
Email: C.Tsoumpas@leeds.ac.uk

Additional information

Find out more about the [Faculty of Medicine and Health](#) and the [School of Medicine](#)

Find out more about the [Leeds Institute of Cardiovascular and Metabolic Medicine](#)

Find out more about [Athena Swan](#) in the Faculty.

Working at Leeds
Find out more about the benefits of working at the University and what it is like to live and work in the Leeds area on our [Working at Leeds](#) information page.

Candidates with disabilities
Information for candidates with disabilities, impairments or health conditions, including requesting alternative formats, can be found on our [Accessibility](#) information page or by getting in touch with us at [disclosure@leeds.ac.uk.](#)

Criminal record information

Rehabilitation of Offenders Act 1974

A criminal record check is not required for this position. However, all applicants will be required to declare if they have any 'unspent' criminal offences, including those pending.

Any offer of appointment will be in accordance with our Criminal Records policy. You can find out more about required checks and declarations in our [Criminal Records](#) information page.