



UNIVERSITY OF LEEDS

## CANDIDATE BRIEF

Research Fellow in Molecular, Cellular and Cardiac Physiology,  
Faculty of Medicine and Health



**Salary: Grade 7 (£33,797 – £40,322 p.a.)**

**Reference: MHLCM1216**

**Closing date: 5 March 2020**

**Fixed-term for 3 years**



# Research Fellow in Molecular, Cellular and Cardiac Physiology

## School of Medicine

### Leeds Institute of Cardiovascular & Metabolic Medicine

**Are you an ambitious researcher looking for your next challenge? Do you have a background in laboratory-based cardiovascular research? Do you want to further your career in one of the UK's leading research intensive Universities?**

Applications are invited for a postdoctoral Research Fellow post to investigate the role of the Piezo1 mechanosensitive ion channel in regulating structural remodelling of the heart at the level of the cardiac fibroblast. This new post is funded by the British Heart Foundation for a fixed term of 3 years and follows up on our recently published work studying Piezo1 in cardiac fibroblasts (Blythe NM et al, J. Biol. Chem. 2019;294:17395).

The research will employ a range of methods including general cell and molecular biology techniques and murine models of cardiac remodelling. The work will be based in the School of Medicine in the laboratory of Dr Neil Turner (<https://medicinehealth.leeds.ac.uk/medicine/staff/833/dr-neil-a-turner>) on the main campus of the University of Leeds.

Applicants for this position should have a BSc degree and a PhD (or passed PhD with minor corrections at the point of application) in a relevant biological subject, with experience of cardiovascular research.

## What does the role entail?

As Research Fellow your main duties will include:

- Working with and in support of Dr Turner's research grant to ensure the project is successfully completed;
- Generating and pursuing original research ideas in the appropriate subject area;
- Developing research objectives and proposals and contributing to setting the direction of the research project and team including, where appropriate preparing proposals for funding in collaboration with colleagues;



- Evaluating methods and techniques used and results obtained by other researchers and to relate such evaluations appropriately to your own work;
- Communicating or presenting research results through publication or other recognised forms of output;
- Preparing papers for publication in leading international journals and independently writing reports;
- Working both independently and also as part of a larger team of researchers, engaging in knowledge-transfer activities where appropriate and feasible;
- Maintaining your own continuing professional development and acting as a mentor to less experienced colleagues as appropriate;
- Contributing to the research culture of the School, where appropriate;
- Contributing to the training of both undergraduate and postgraduate students, where appropriate, including assisting with the supervision of projects in areas relevant to the project.

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.

## What will you bring to the role?

As Research Fellow you will have:

- A first degree and PhD (or passed PhD with minor corrections at the point of application) in the areas of biochemistry, molecular biology, biomedical sciences or closely allied disciplines, with relevance to cardiovascular research;
- A background in cardiovascular cell and molecular biology;
- Previous experience in some or all of the following techniques: mammalian cell culture, molecular biology techniques (DNA, RNA, protein analysis and manipulation), cell biology techniques (measurements of cell signalling and cell function), in vivo mouse work;
- Demonstrated experience of conducting research;
- Excellent analytical and problem-solving skills;
- Proven ability to write to the standard required for research reports/international publications;
- Good time management and planning skills, with the ability to meet tight deadlines and work effectively under pressure;
- Excellent written and verbal communication skills including presentation skills and the ability to communicate effectively with a wide range of stakeholders;



- Proven ability to manage competing demands effectively, responsibly and without close support;
- A proven ability to work well both individually and in a team;
- A strong commitment to your own continuous professional development.

You may also have:

- A track record of successful, high quality, publications in the research area of cardiac remodelling;
- Experience in transgenic mouse colonies and surgery (e.g. TAC model);
- Experience in ion channels;
- Experience in phosphoproteomics.

## How to apply

You can apply for this role online; more guidance can be found on our [How to Apply](#) information. 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 Neil Turner, Associate Professor of Cardiovascular Medicine**

Tel: +44 (0)113 343 4346

Email: [N.A.Turner@leeds.ac.uk](mailto:N.A.Turner@leeds.ac.uk)

## Additional information

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

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

Find out more about our [Athena Swan](#) Gold Award.





## **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](mailto:disclosure@leeds.ac.uk).

## **Security checks**

This post will be subject to appropriate security checks being carried out with your permission by a third party company.

## **Criminal record information**

### **Rehabilitation of Offenders Act 1974**

This post requires a basic criminal record check from the Disclosure and Barring Service (DBS), and any equivalent overseas authorities where relevant. The successful candidate will be required to give consent for the University to check their criminal record status and all applicants must 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.

