



UNIVERSITY OF LEEDS

CANDIDATE BRIEF

Research Fellow in Molecular Nutrition, School of Food Science and Nutrition



Salary: Grade 7 (£32,548 – £38,833 p.a.)

Due to external funding restrictions, appointments will not be made above £33,518

Reference: MAPFS1077

Closing date: 29 June 2018

Fixed-term for 30 months

We will consider job share/flexible working arrangements

Research Fellow in Molecular Nutrition

School of Food Science and Nutrition

Faculty of Mathematical and Physical Sciences

Are you an ambitious researcher looking for your next challenge? Do you have a background in culturing primary tissue and an interest in the tumour microenvironment? Do you want to further your career in one of the UK's leading research intensive universities?

You will make a significant contribution to work being carried out to advance the understanding of molecular nutrition in the context of breast cancer. Working within a research team led by [Dr James Thorne](#) and supported by funding from the Breast Cancer Research Action Group, you will show initiative in learning, refining and developing relevant experimental techniques, generating ideas, proposing hypotheses and solving practical and intellectual problems.

You will have a PhD in biological or biomedical related discipline and a strong background in cell culture, human tissue culture and molecular biology. You will also have a positive approach to collaborative research and the drive to make a significant contribution to this area of research.

What does the role entail?

As a Research Fellow your main duties will include:

- Designing, planning and conducting a programme of investigation, in consultation with Dr Thorne;
- Generating independent and original research ideas and methods in support of the research grant with an aim to extend the Thorne lab research portfolio;
- Ensuring effective day-to-day progress of the projects by spending substantial time in the laboratory performing relevant carefully-planned and carefully-executed experiments;
- Making a significant contribution to the dissemination of research results by publication in leading peer-reviewed journals, and by presentation at national and international meetings, conferences and school seminars;
- Ensuring that appropriate deadlines are set and met in relation to the project to achieve the research team's objectives;



- Contributing to the supervision of junior researchers and PhD students and acting as a mentor to less experienced colleagues;
- Evaluating methods and techniques used and results obtained by other researchers and relating such evaluations to your own work;
- Continually updating your knowledge, understanding and skills in the research field in which you work;
- Contributing to, and encouraging, a safe working environment.

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 a Research Fellow you will have:

- A PhD in the field of molecular/cell biology or a related discipline;
- Experience of isolating and culturing primary human cells such as PBMCs, adipocyte stem cells, or fibroblasts;
- Experience of mixed cell co-culture methods and cell separation techniques such as FACS or centrifugation;
- Knowledge of tumour microenvironment and paracrine signalling pathways;
- Experience of working under ethical approval preferably with human tissue;
- The demonstrated ability to make reliable measurements in vitro;
- The ability to design, execute and write up research independently, to the standard required for international publications;
- A developing track record of peer reviewed publications in international journals;
- Excellent communication skills, both written and verbal and the ability to communicate your research at national and international conferences;
- Good time management and planning skills, with the ability to meet tight deadlines;
- A proven ability to work well both independently and as part of a team;
- The ability to work accurately and carefully;
- A strong commitment to your own continuous professional development.

You may also have:

- Experience in molecular biology assays such as qPCR, Western Blot;



- Experience in cell viability and proliferation assays such as apoptosis, MTT, ATP;
- Experience in recruiting for clinical, dietary or lifestyle trials;
- Experience in collecting human blood samples;
- Experience in analysing cholesterol metabolites with LC-MS/MS;
- Experience in dietary survey reporting;
- Experience in management of personal data;
- Experience of preparing NHS ethics applications.

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 James Thorne, University Academic Fellow in Cancer, Nutrition and Epigenetics

Tel: +44 (0)113 343 0684

Email: j.l.thorne@leeds.ac.uk

Additional information

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.

A diverse workforce

The Faculty of Mathematics and Physical Sciences is proud to have been awarded the [Athena SWAN Bronze Award](#) from the Equality Challenge Unit, the national body that promotes equality in the higher education sector. Our [equality and inclusion webpage](#) provides more information.



Candidates with disabilities

Information for candidates with disabilities, impairments or health conditions, including requesting alternative formats, can be found in our [Accessibility](#) information 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.

