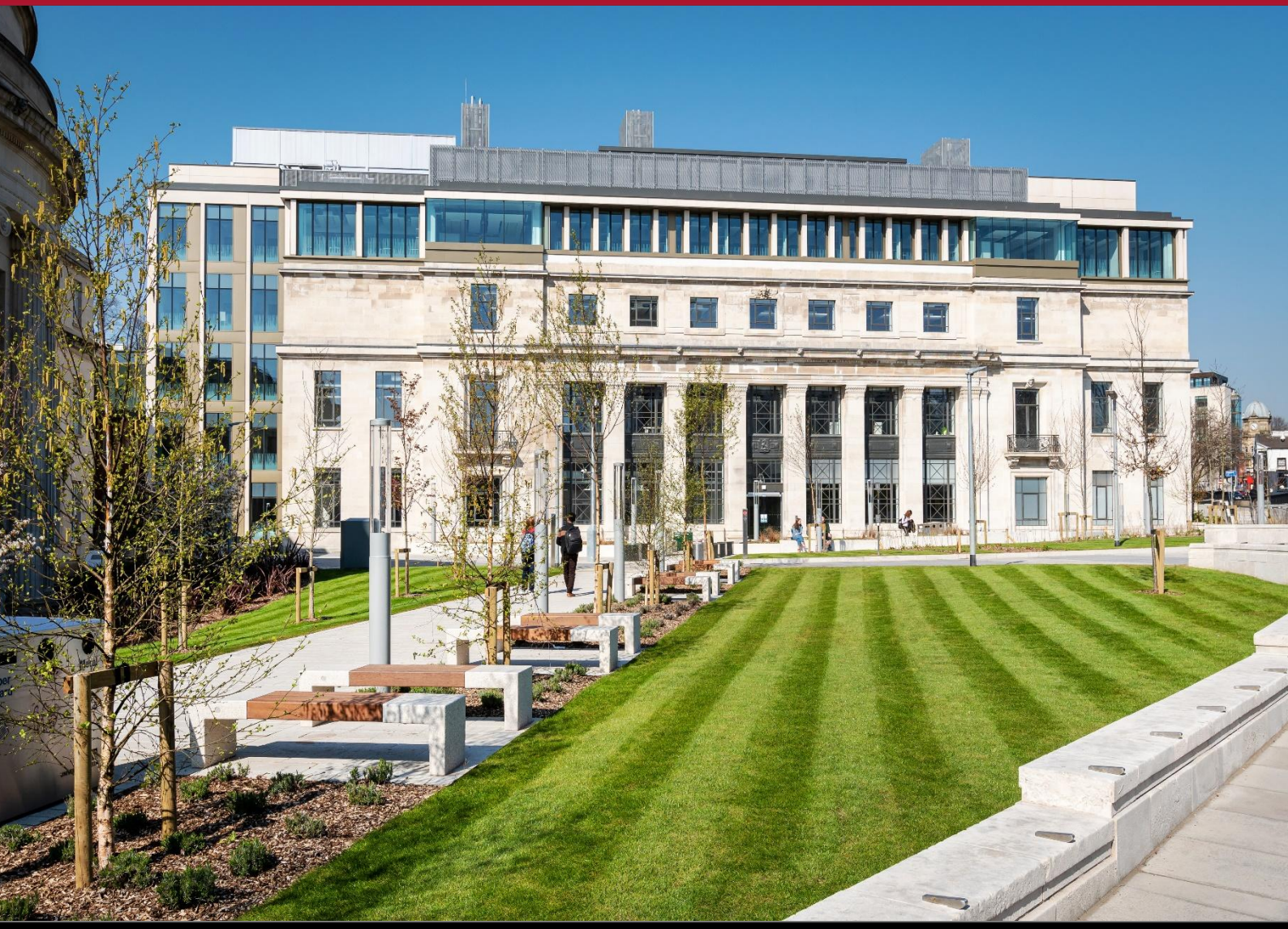
UNIVERSITY OF LEEDS

CANDIDATE BRIEF

Research Fellow in Liquid Crystals Physics,

Faculty of Engineering and Physical Sciences



Salary: Grade 7 (£41,064 – £48,822 p.a.)

Reporting to: Professor Helen Gleeson

Reference: EPSPA1134

Fixed-term (for 5 months starting from 01 March 2026 - to complete specific time limited work)

Location: Leeds Main Campus

We are open to discussing flexible working arrangements

Research Fellow in Liquid Crystals Physics, School of Physics and Astronomy.

Are you an ambitious researcher looking for your next challenge? Do you want to further your career in one of the UKs leading research-intensive Universities?

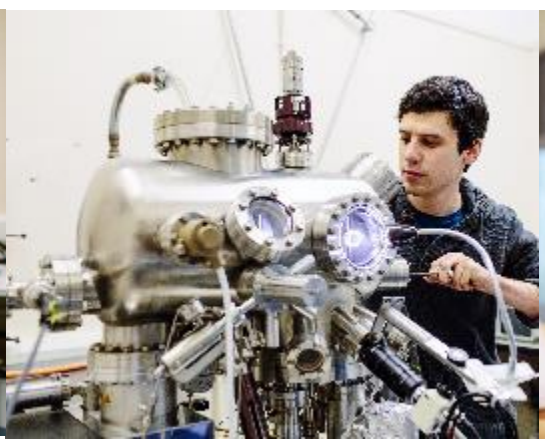
Overview of the Role

You will have an experimental PhD degree (or have submitted your thesis before taking up the role) and research experience in Physics and/or Engineering along with significant experience in experimental liquid crystal physics, including novel low molar mass and elastomeric systems and their applications.

You will work as part of a multidisciplinary team, focusing on a range of liquid crystal-based systems and working on the design, fabrication, optimisation and characterisation of liquid crystalline systems. In addition to contributing to different research topics as part of the team, you will be an excellent communicator, writing papers, contributing to patent applications and making presentations.

Main duties and responsibilities

- Designing, planning and carrying out the experimental work needed to accomplish the aims of the project, in consultation with the academic lead;
- Contributing to, and encouraging, a safe working environment;
- Generating and pursuing independent and 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 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 research;
- 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;

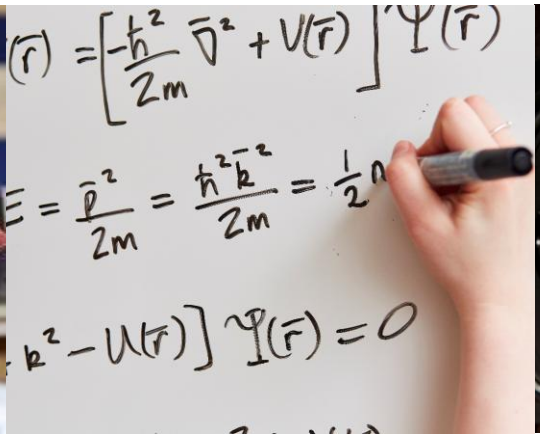

- Working independently and as part of a larger team of researchers, both internally and externally, to develop new research links and collaborations and engage in knowledge transfer activities where appropriate;
- Maintaining your own continuing professional development and acting as a mentor to less experienced colleagues as appropriate;
- Contributing to the training of postgraduate students, 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.

Qualifications and skills

Essential

- A PhD (or have submitted your thesis before taking up the role) in Physics;
- A strong background in experimental liquid crystal physics with experience in experimental techniques relevant to liquid crystal research including optical, and mechanical methodology;
- Experience of fabrication and characterisation of liquid crystal films or droplets;
- Initiative to explore new ideas and contribute to the development of the research, both conceptually and in practice;
- The ability to design, execute and write up research independently;
- The ability to work accurately and carefully;
- Good time management and planning skills, with the ability to meet tight deadlines and manage competing demands effectively without close support;
- 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;
- A proven ability to work well both independently and in a team;
- A strong commitment to your own continuous professional development.



Desirable

- Experience of pursuing external funding to support research;
- Skills in developing experimental apparatus and methodology relevant to liquid crystals;
- The ability to work in an interdisciplinary environment, with experience of industrial research or collaboration;
- The ability to mentor and act as a role model for postgraduate researchers.

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

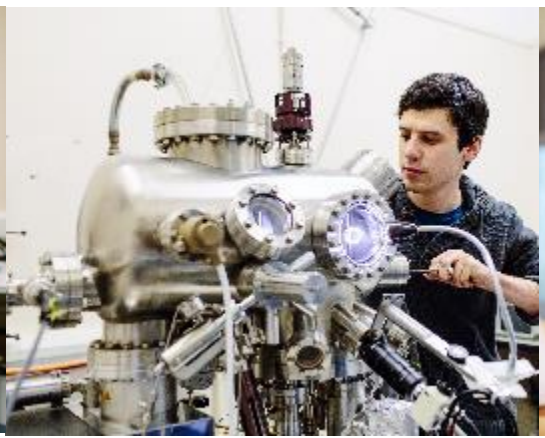
To explore the post further or for any queries you may have, please contact:

Professor Helen Gleeson, Cavendish Professor of Physics
Email: H.F.Gleeson@leeds.ac.uk

Additional information

Faculty and School Information
Further information is available on the research and teaching activities of the Faculty of Engineering & Physical Sciences, and the School of Physics and Astronomy.

Working at Leeds
We are a campus-based community and regular interaction with campus is an expectation of all roles in line with academic and service needs and the requirements of the role. We are also open to discussing flexible working arrangements. To find out more about the benefits of working at the University and what it is like to live and work in the Leeds area visit our Working at Leeds information page.


A diverse workforce

As an international research-intensive university, we welcome students and staff from all walks of life and from across the world. We foster an inclusive environment where all can flourish and prosper, and we are proud of our strong commitment to student education. Within the Faculty of Engineering and Physical Sciences we are dedicated to diversifying our community and we welcome the unique contributions that individuals can bring, and particularly encourage applications from, but not limited to Black, Asian and ethnically diverse people; people who identify as LGBT+; and people with disabilities. Candidates will always be selected based on merit and ability.

Information for disabled candidates

Information for disabled candidates, impairments or health conditions, including requesting alternative formats, can be found on our Accessibility information page or by getting in touch with us at hr@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.

Salary Requirements of the Skilled Worker Visa Route

Please note that this post may be suitable for sponsorship under the Skilled Worker visa route but first-time applicants might need to qualify for salary concessions. For more information, please visit the Government's Skilled Worker visa page.

For research and academic posts, we will consider eligibility under the Global Talent visa. For more information, please visit the Government's page, Apply for the Global Talent visa.