UNIVERSITY OF LEEDS

CANDIDATE BRIEF

Marie Skłodowska-Curie Doctoral Researcher in Structural Mass Spectrometry in DNA Repair, Faculty of Biological Sciences

Salary: £48,640.67 (plus family allowance, dependent on eligibility) in line with Marie Skłodowska-Curie Doctoral Network

Reference: FBSAS1059

Available on a fixed-term basis for 3 years (external funding)

We are open to discussing flexible working arrangements.

Marie Skłodowska-Curie Doctoral Researcher in Structural Mass Spectrometry in DNA Repair
School of Molecular and Cellular Biology & Astbury Centre

Are you a rising star in the field of structural mass spectrometry (MS)? Would you like to contribute to the development of cutting-edge native MS, hydrogen-deuterium exchange (HDX) and other MS technology and apply it to analysis of nucleic-acid:protein interactions and the study of DNA repair complexes? Do you want to further your career and attain a PhD in one of the UK's leading research-intensive Universities?

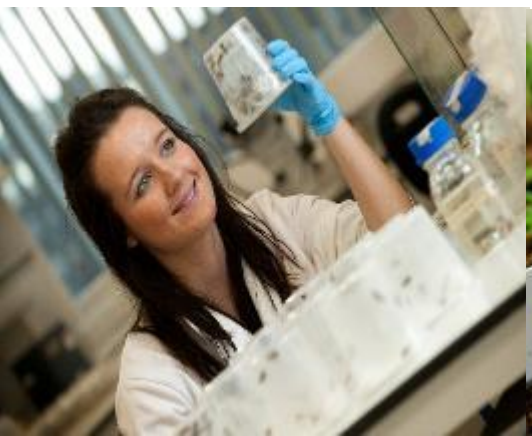
You will join the recently funded European Doctoral Network (DN) RepState: DNA Repair State Machines (https://www.repstate.eu/). RepState offers high-level doctoral training to 13 Doctoral Researchers (DRs) in six different countries. DRs will be supervised by researchers across the network, will be exposed to different sectors via planned placements, attend summer schools, and contribute to and organise workshops and conferences. You will be funded for 3 years and will pursue a doctoral degree during this time.

This DR position is based in the University of Leeds and concerns the investigation of key protein complexes involved in DNA repair using structural MS. In particular, the project involves application of methods such as native MS, ion mobility, HDX-MS, covalent labelling approaches and chemical crosslinking to study conformations of DNA repair state machines such as the UvrD:RNAP and UvrD:MutL complexes. In addition, it will allow the researcher to pioneer new MS approaches to DNA structural biology. This project will be supervised by Prof Sobott, in collaboration with several other researchers across the network.

Important eligibility rules for this position:

There are no restrictions on the nationality, but:

- Applicants must, at the time of recruitment, have not yet been awarded a doctorate degree and be in the first 4 years (full-time equivalent) of their research careers. This is measured from the date that you obtained the degree which would entitle you to embark on a PhD.
- At the time of recruitment, applicants must not have resided or carried out their main activity (work, studies, etc...) in the UK for more than 12 months in the 3



years immediately prior to their recruitment under the QSI project. Compulsory national service and/or short stays such as holidays are not taken into account.

Salary:

- The Marie Skłodowska-Curie Doctoral Researcher living allowance is fixed at £48,640.00 per annum including the mobility allowance (£53,119.35 if eligible for the family allowance). This figure is before employer's and employee's deductions for national insurance and taxes per year, which will be paid in Sterling using an appropriate conversion rate**.**

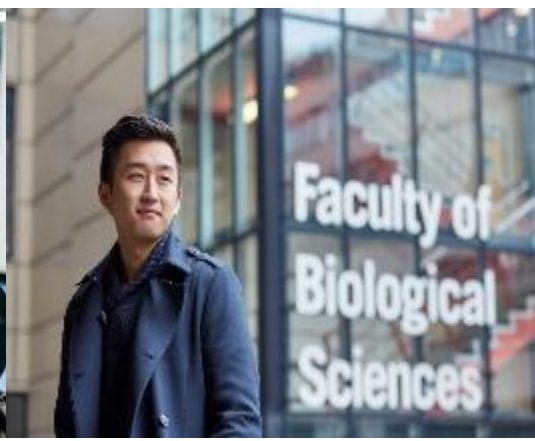
What does the role entail?

As a Marie Skłodowska-Curie Doctoral Researcher, your main duties will include:

- Executing world-class research focussed on the investigation of key protein complexes involved in DNA repair using structural MS methods;
- Developing initiative, creativity and judgement in applying appropriate approaches to research activities;
- Actively participating in all relevant activities organised by the network as advised by the Supervisor;
- Attending meetings as required to discuss the project. This will involve occasional EU-wide travel;
- Ensuring good day-to-day progress of work, and maintaining good records;
- Preparing papers for publication in leading international journals and disseminating research results through other recognised forms of output such as conferences or public engagement;
- Working both independently and also as part of a larger team of researchers, including interacting with and providing assistance to other staff in the research group and the RepState network and engaging in knowledge-transfer activities where appropriate and feasible;
- Delivering the outcomes guided by the research aims and objectives, and contributing to setting the direction of the research project and team;
- Contributing to joint discussions within the wider research group and network;
- Maintaining your own continuing professional development.

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 Marie Skłodowska-Curie Doctoral Researcher, you will have:

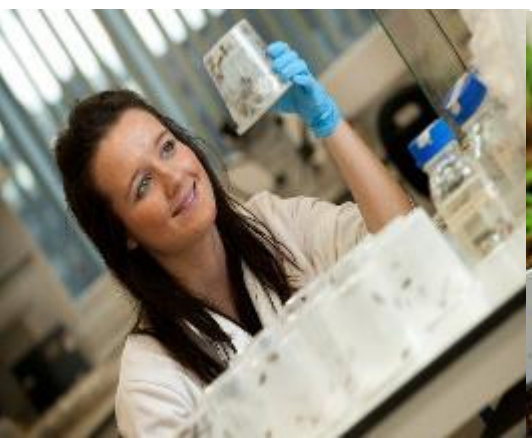
- A first class or 2:1 undergraduate degree and/or a Master's degree (or equivalent degree) in Biochemistry, Chemistry or related subjects;
- Satisfy the eligibility requirements set for an Early Stage Researcher funded by Marie Skłodowska-Curie as outlined above and you must be eligible to be appointed as an Early Stage Researcher in the UK;
- Satisfy the eligibility requirements to enrol on a PhD degree. This includes acceptable English language requirements if English is not your first language;
- Research experience or familiarity with analytical or spectroscopic techniques;
- Some research experience of familiarity with structural biology;
- Some research experience or familiarity with aspects of protein biochemistry;
- The flexibility to travel throughout the EU;
- 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;
- A 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:

- Experience of publishing scientific work in peer reviewed journals;
- Experience of pursuing external funding to support research.

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:

Frank Sobott**, Chair in Biomolecular Mass Spectrometry**
Tel: +44 (0)113 343 2576
Email: F.Sobott@leeds.ac.uk

Additional information

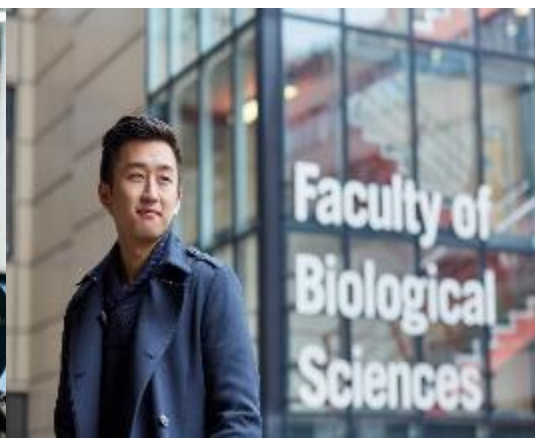
Find out more about the Faculty of Biological Sciences.

At the University of Leeds, we are committed to providing a culture of inclusion, respect and equity of opportunity that attracts, supports, and retains the best students and staff from all backgrounds and from across the world. Whatever role we recruit for we are always striving to increase the diversity of our community, which each individual helps enrich and cultivate. We particularly encourage applications from, but not limited to Black, Asian, people who belong to a minority ethnic community; people who identify as LGBT+; and disabled people. Candidates will always be selected based on merit and ability.

A diverse workforce
The University of Leeds and the Faculty of Biological Sciences are committed to providing equal opportunities for all and offer a range of family friendly policies. The University is a charter member of Athena SWAN (the national body that promotes gender equality in higher education), and the Faculty of Biological Sciences was awarded a Silver award in 2020. We are proud to be an inclusive Faculty that values all staff, and are happy to consider job share applications and requests for flexible working arrangements from our employees. Our Athena SWAN webpage provides more information.

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.





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.