



UNIVERSITY OF LEEDS

## CANDIDATE BRIEF

Lecturer in Cryo-Electron Tomography, Faculty of Biological Sciences



**Salary: Grade 8 (£45,585 - £54,395 p.a.)**

**Reference: FBSMB1282**

**Available from 01 September 2024 on a full-time basis**

**This role will be based *on the university campus.***

# Lecturer in in Cryo-Electron Tomography

## School of Molecular and Cellular Biology

**Are you an ambitious researcher looking for your next challenge? Do you have an established background in cryo-electron tomography? Do you want to further your career in one of the UKs leading research intensive Universities? Are you passionate about delivering world leading research and an exceptional student experience?**

As a Lecturer, you will carry out research, teaching and management within the school, faculty and university and contribute to academic excellence in the field of cryo-ET with specific emphasis on subjects relevant to the School.

We aim to recruit the next generation of experts in cryo-ET to enhance our existing strengths in structural biology and to drive forward activity in an £11M philanthropic initiative based in the Cheney Biomedical Accelerator (CBA) housed within the Faculty of Biological Sciences. The CBA has a mission of “seeing into cells” and is enabled by new state-of-the art plasma focused-ion-beam microscope, two Titan Krios EMs and a dedicated PhD scheme for in situ structural biology. You will benefit from a vibrant community of researchers interested in cryo-EM and cryo-ET, and a dedicated team of facility staff to help support your research programme.

Your primary expertise is correlative light and electron microscopy and cryo-ET. You will have the ambition and capability to collaborate with non-experts to address complex biological questions aligned with one or more focus areas of the School: i) infectious disease, ii) cancer and cell signalling, iii) protein, structure and function.

You will join the School of Molecular and Cellular Biology, which is a vibrant academic environment composed of 55 academic staff with research strengths in communicable and non-communicable diseases, structural biology and biotechnology. You may apply to become a member of the Astbury Centre for Structural Molecular Biology, which is a multidisciplinary centre whose membership consists of >70 academics interested understanding life in molecular detail, and includes biologists, chemists, physicists and medical scientists. Finally, you will also have an opportunity to engage with scientists based at the NIHR Leeds Biomedical Research.





## What does the role entail?

As a Lecturer, your main duties will include:

- Being actively involved in research, innovation and impact at a national and international level as well as, contributing to local School/Faculty activity;
- Maintaining a record of high quality publications of national and international standing;
- Attracting research funding individually and collaboratively to underpin high quality research activity and research programmes/projects;
- Promoting the integration of your own research area with other research interests within and, as appropriate, outside the School and Faculty;
- Providing research supervision and helping to attract students to the University;
- Undertaking research-led teaching at different levels, including assessment and examinations and contributing towards module design, review and quality assurance mechanisms;
- Providing support and guidance to students, providing timely feedback, acting as a personal tutor, resolving issues and/or referring to specialist parties, where appropriate;
- Contributing effectively to the administrative processes and committee structures of the School/Faculty including taking on leadership roles and managing initiatives which facilitate School, Faculty or University performance or business.

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 Lecturer you will have:

- A PhD in Biochemistry/Biophysics/Structural Biology;
- A developing international reputation and expertise in correlative imaging and cryo-electron tomography;
- A compelling and fundable research vision;
- A desire and capacity to collaborate widely to answer biological questions aligned to existing interests in the School;



- A track record of research outputs in refereed publications of internationally excellent quality;
- A successful record of obtaining external research funding with the potential for obtaining further funding in the future;
- A proven record of student education in a University environment, with an enthusiastic approach to teaching and the ability to interact with students in ways that will enhance the student experience;
- Experience of proactively developing new teaching approaches and materials in the area of biological sciences;
- Exceptional communication skills with the ability to collaborate with peers and inspire your research colleagues;
- Ability to contribute to management and administrative processes and structures, including managing resources and/or staff.

You may also have:

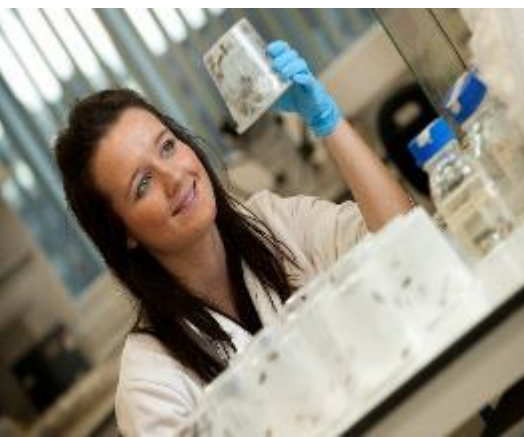
- Experience of postgraduate student supervision;
- Experience of programme/academic leadership;
- Ability to build partnerships with industrial, professional, and public sector organisations on interdisciplinary collaboration, knowledge exchange and funding.

## 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.

Your application should include:

- A supporting statement providing evidence to support each requirement listed on the 'What will you bring to the role' section of the Candidate Brief (no more than two sides of A4, minimum font size 11);
- An academic curriculum vitae, including a list of your publications.



## Contact information

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

Dr [Darren Tomlinson](#), Interim Head of School of Molecular & Cellular Biology, Associate Professor.

Email: [HOSSMB@leeds.ac.uk](mailto:HOSSMB@leeds.ac.uk)

*Please note: If you are not a British or Irish citizen, you will require permission to work in the UK. This will normally be in the form of a visa but, if you are an EEA/Swiss citizen, this may be your status under the EU Settlement Scheme.*

## Additional information

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.

Find out more about the [Faculty of Biological Sciences](#) and the [School of Molecular and Cellular Biology](#)

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.





## **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](mailto: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.

