



UNIVERSITY OF LEEDS

CANDIDATE BRIEF

Associate Professor in Cryo-Electron Tomography, Faculty of Biological Sciences



Salary: Grade 9 (£56,021 - £64,914 p.a.)

Reference: FBSMB1278

Available from 1st September 2024 on a full-time basis.

We will consider flexible working arrangements.

Associate Professor in Cryo-Electron Tomography School of Molecular and Cellular Biology

Are you an experienced and influential academic with the proven ability to carry out teaching and research in cryo-electron tomography and related topics? Do you have an excellent research track record, proven success obtaining funding and the vision and drive to tackle new challenges? Are you passionate about delivering world leading research and an exceptional student experience?

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

We aim to recruit an expert in cryoET to enhance our existing strengths in structural biology and to drive forward activity in an £11M philanthropic initiative based in the Cheney Biomedical Accelerator 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 cryoEM and cryoET, and a dedicated team of facility staff to help support your research programme.

The ideal candidate will be an established mid-career researcher whose primary expertise is correlative light and electron microscopy and cryoET. You will have a track record and capacity 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 have experience in research-led teaching at different levels on undergraduate and/or postgraduate taught courses, as well as being involved in the assessment of course work and examinations.

You will join the School of Molecular and Cellular Biology, which is a vibrant academic environment composed 55 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 we offer in return

- 26 days holiday plus approx.16 Bank Holidays/days that the University is closed by custom (including Christmas) – That's 42 days a year!
- Generous pension scheme plus life assurance– the University contributes 14.5% of salary.
- Health and Wellbeing: Discounted staff membership options at The Edge, our state-of-the-art Campus gym, with a pool, sauna, climbing wall, cycle circuit, and sports halls.
- Personal Development: Access to courses run by our Organisational Development & Professional Learning team.
- Access to on-site childcare, shopping discounts and travel schemes are also available.

And much more!

What does the role entail?

As Associate Professor your main duties will include:

- Pursuing, leading and developing the strategic direction of research, innovation and impact at an appropriately benchmarked level, attracting research income on an individual and collaborative basis to underpin high quality research activity and programmes/projects;
- Being recognised as an authority in your field, developing and maintaining an external profile as appropriate to the discipline;
- Maintaining a high quality record of regular and original research publications that are of nationally and internationally standing;
- Promoting the integration of your own research area with other research interests within and, as appropriate, outside the School, Faculty and University;
- Providing high quality postgraduate supervision and attracting research students to the University, and to supervise other students as appropriate;
- Undertaking research-led teaching at different levels on undergraduate and/or postgraduate taught courses, regularly collecting, and responding to, student feedback as well as being involved in the assessment of course work and examinations;



- Playing a significant role in the design, development, planning and review of modules and programmes within the subject area as required;
- Contributing to the management and administrative processes and committee structures of the School, Faculty and University;
- Managing or leading major initiatives or areas of work (as either sustained or one-off projects) as well as taking on leadership roles which facilitate School, Faculty or University performance or business as required.

These duties provide a framework for the role and should not be regarded as a definitive list. Other reasonable duties may be required by the Head of School/Dean consistent with the grade of the post.

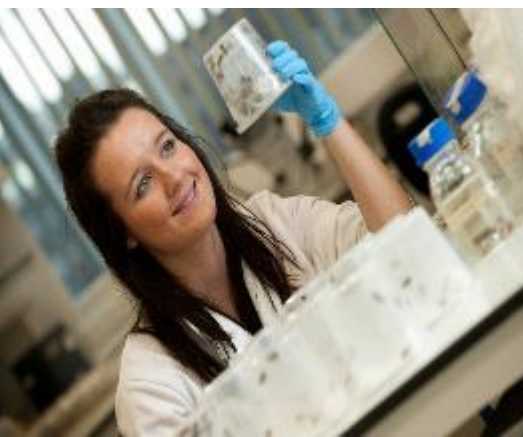
What will you bring to the role?

As Associate Professor you will have:

- A PhD in Biochemistry/Biophysics/Structural Biology with an established reputation 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 sustained track record of raising research funds from national and international funding agencies;
- A sustained track record of research outputs as a single or main author of refereed publications of internationally excellent quality;
- Significant experience of student education at all levels within higher education;
- Experience of supervising taught undergraduate or postgraduate students;
- Outstanding communication, team working, networking and profile-raising skills to operate effectively within the role; including experience of collaboration on cross-disciplinary projects;
- Proven ability to provide academic leadership, including managing resources and/or staff;

You may also have:

- Experience of PhD supervision, acting as primary supervisor to successful doctoral graduates;
- 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

Tel: +44 (0)113 343

Email: d.c.tomlinson@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

Find out more about the [Faculty of Biological Sciences](#).

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.

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.

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.

