



UNIVERSITY OF LEEDS

CANDIDATE BRIEF

University Academic Fellows in Structural Molecular Biology, Faculty of Biological Sciences



Salary: Grade 8 (£39,324 – £46,924 p.a.)

Successful completion of a 5-year probationary period leading to confirmation as grade 9 Associate Professor.

Reference: FBSAS1013

Closing date: 23 June 2017

University Academic Fellows in Structural Molecular Biology

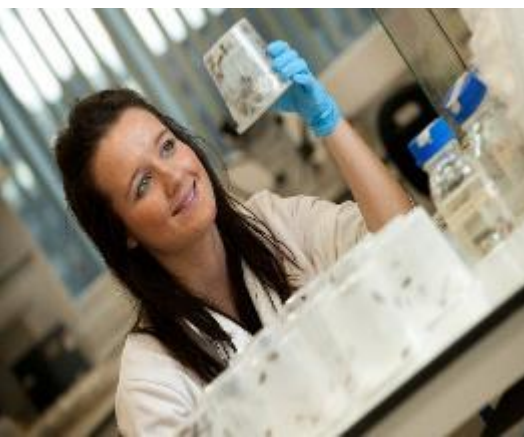
School of Molecular and Cellular Biology and Astbury Centre for Structural Molecular Biology.

Are you an experienced researcher with proven abilities to carry out research and teaching in state-of-the-art Structural Molecular Biology? Do you use Cryo-EM, NMR Spectroscopy, X-ray Crystallography, Single Molecule methods, or combinations of these techniques with other approaches to answer cutting-edge research questions? Are you passionate about delivering an exceptional student experience in a research-intensive University with state of the art facilities? Do you aspire to become an academic leader in your field?

As a University Academic Fellow in the School of Molecular & Cellular Biology, you will join the vibrant, interdisciplinary environment of the Astbury Centre for Structural Molecular Biology which brings together ~60 group leaders with expertise in structural molecular biology, cell biology, protein chemistry, chemical biology and biological physics with the common goal of understanding life in molecular detail through investigation of the structure and function of biological molecules and their complexes.

Leeds invested more than £17 million in 2016 to establish the Astbury Biostructure Laboratory, a state of the art laboratory for structural biology providing the Astbury Centre with instruments for NMR spectroscopy (including 950 MHz with 15N/13C-detect TXO and 3mm TCI Cryoprobes) and Electron Microscopy (two Titan Krios with Falcon III and energy-filtered Gatan K2 detectors), competitive with the very best infrastructure for structural molecular biology in the world. In addition, the Centre houses superb facilities for protein production, protein crystallisation, biological mass spectrometry and single molecule fluorescence and FRET,

You will embark on a five-year development programme, the successful completion of which will lead to your promotion to Associate Professor. In the last three years, nine University Academic Fellows have been appointed within the scientific remit of the Astbury Centre, helping to deliver on the University's ambitious plans to grow its research. We are now looking for outstanding early career structural molecular biologists to join this growing team. We can offer an excellent mentoring scheme, research environment and track record of success in developing the careers of young



researchers. Candidates wishing to bring independent fellowships or apply for such fellowships supported by the School are also welcome to apply.

What does the role entail?

As a University Academic Fellow, your duties will include:

- Pursuing a successful programme of individual and collaborative research, resulting in high quality publications and a national and international profile, engaging with industry as appropriate to attract and co-ordinate major initiatives;
- Promoting the integration of your own research area with the research interests of other investigators in the School, Centre, Faculty and wider University;
- Attracting research funding individually and collaboratively to underpin high quality research activity and research projects / programmes;
- Developing a strategy to ensure that your research has the potential for impact beyond academia;
- Undertaking research-led teaching at different levels, with engagement in continual improvement in response to student and other feedback;
- Contributing to the design, development and planning of modules of teaching and policy within the subject area as required;
- Working in partnership with students to provide outstanding education and an excellent student experience;
- Contributing to the management of the school by taking on appropriate leadership, management and administrative responsibility;
- Leading academic initiatives and projects in research and student education which facilitate school, faculty and/or University development;
- Participating in the recruitment, management and development of staff as well as acting as a mentor to less experienced colleagues;
- Contributing to the development of the discipline or research area, e.g. through organisation of conferences or membership of key bodies setting the strategic direction of the area;
- Becoming a specialist in the field, developing and maintaining an external profile as appropriate to the discipline;
- Carrying out the duties of the post in accordance with University policies, procedures, values and standards.



This job description provides a framework for the role and it may be necessary for a University Academic Fellow to undertake other duties commensurate with the post as might reasonably be required.

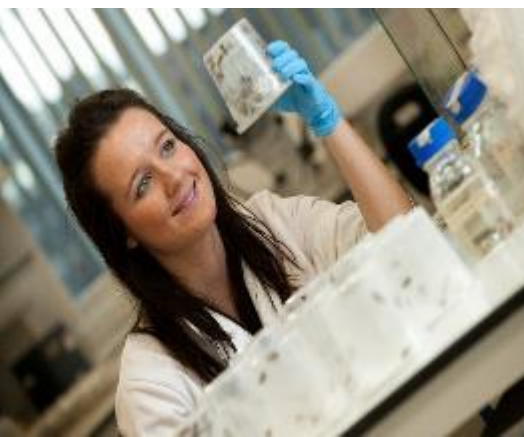
What will you bring to the role?

As University Academic Fellow you will have:

- A PhD (or equivalent qualification) in a relevant field, for example Structural Biology or Biophysics;
- A clear and compelling academic research plan that will deliver academic and more general impact at an international level, in order to meet the criteria for progression to Associate Professor within the 5 year probationary period;
- Significant proven research experience within the academic discipline with a developing record of internationally excellent publications;
- A track record of gaining competitive research funding, or the clear potential to do so;
- Experience of presenting at national and international conferences and/or symposia;
- Evidence of building strong working relationships within and, as appropriate, beyond your own discipline and to contribute to successful projects and collaborations;
- The potential and commitment to undertake high quality and innovative teaching and gain a higher education teaching qualification or award;
- Experience of delivering and engaging with student education where opportunities have existed;
- A high level of interpersonal and communication skills, and a strong ability to communicate effectively in writing and verbally with students, academic and external audiences;
- The ability to lead projects and organise, balance and prioritise work commitments.

You may also have:

- Success in gaining significant independent research funding;
- Experience of leading on projects and initiatives, including managing resources and conflicting priorities within challenging circumstances;
- A growing track record of successful and innovative teaching at both undergraduate and/or postgraduate level;



- Experience of involvement in postgraduate research supervision;
- Experience of working collaboratively with external partner organisations;
- Experience of mentoring less experienced colleagues.

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](#). Your application should include:

- A CV
- A supporting statement explaining your research and academic plan (no more than 2 sides of A4, minimum font size 11)
- A list of your publications.

Contact information

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

[Professor Neil Ranson](#), Professor of Structural Molecular Biology

Tel. +44 (0)113 343 7065

Email: n.a.ranson@leeds.ac.uk

[Professor Alex Breeze](#), Professor of Biomolecular NMR

Tel: +44 (0)113 343 0087,

Email: a.l.breeze@leeds.ac.uk

Additional information

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

Find out more about the [Astbury Centre for Structural Molecular Biology](#).

Find out more about the investment for the [Structural Biology lab](#).



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 Biological 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 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.

