

SENIOR LECTURER IN Biochemistry or Biophysics

Job Ref: REQ171086

As part of the University's ongoing commitment to redeployment, please note that this vacancy may be withdrawn at any stage of the recruitment process if a suitable redeployee is identified.

The School of Science at Loughborough comprises Departments of Chemistry, Physics, Computer Science, Maths and the Maths Education Centre. As a School we work collaboratively, with research strengths spanning across the core fundamental sciences, as well as cross-cutting themes. The Department of Chemistry is part of the School of Science at Loughborough University. Chemistry currently comprises some 350 undergraduates, 50 postgraduate MSc students, 80 postgraduate research students and approximately 30 members of academic staff, as well as a range of dedicated technical and support staff. Our academic and research staff are nationally and internationally recognised as experts in their chosen fields and as such the majority of our research was rated as internationally excellent in the REF 2014. As a result, the Department is highly active in research and enterprise, with academic staff and research students engaged in many high profile, cutting edge research projects with strong foundation in fundamental and applied physical and biological sciences. The University has recently established a Natural Science undergraduate course spanning chemistry, maths, physics, bioscience, geography and materials. This draws expertise across a number of Schools to deliver teaching expertise, as well as providing a strong research led teaching base.

We are seeking to appoint an enthusiastic Senior Lecturer to support our ambition for a successful Natural Science programme. For this position, we would specifically encourage applications from candidates whose research experience and direction encompass one or more of the broad facets of biochemistry or biophysics, including pharmaceutical development and aspects interfacing with biomaterials and medical devices/ cellular therapeutics, such as regenerative medicine. In addition, the successful candidate will have a caring attitude towards the sustaining Loughborough's excellent student experience.

Further information about the Department can be found here:

<http://www.lboro.ac.uk/departments/chemistry/>, and about the School here: <http://www.lboro.ac.uk/science/>

Job Description

Please note that this is a generic job description for the position of Senior Lecturer.

Job Grade

Research, Teaching and Enterprise, Grade 8

Job Purpose

To take a leading role in developing and enhancing the research, teaching and enterprise activities of the School of Science in an area related to one of more of the following:

- Biochemistry
- Pharmaceuticals
- Medicinal chemistry
- Biophysics
- Biomaterials

- Physical Chemistry
- Analytical Science

This will be in support of the University's Strategy: Building Excellence.

Job Duties

Research

- To pursue a personal research programme consistent with the research priorities of the School of Science that increases the global visibility and reputation of the University.
- To secure external research funding.
- To supervise and manage research projects.
- To publish the outcomes of research in outlets of international standing.
- To attend and contribute to the organisation of major international conferences.
- To supervise postgraduate students at Masters and Doctoral levels.
- To lead and collaborate in research initiatives with colleagues both within the University and externally.

Teaching

- To work with colleagues in the School to deliver an exceptional learning environment for students, specifically in the area of Natural Sciences and/or (bio)chemistry relevant to medical and pharmaceutical sciences.
- To teach and inspire undergraduate and postgraduate students, and to conduct associated assessments.
- To provide academic and pastoral support to undergraduate and postgraduate students.
- To promote the use of a range of methods and techniques in teaching, learning and assessment.
- To engage in the evaluation and development of modules for which you have responsibility, in terms of content, delivery and assessment.
- To be responsible for the design and content of specific areas of teaching and learning within the School's undergraduate and postgraduate programmes.
- To lead colleagues in the continuous review and development of the School's taught programmes and the curriculum.

Enterprise

- To lead engagement with business, public and voluntary organisations through knowledge exchange activities such as student projects and placements, research collaboration, consultancy and specialist training.
- To create social, cultural and economic impacts from academic, especially research, activity.
- To secure external funding in support of these activities.
- To seek opportunities for the commercialisation of research and the formation of social enterprises.

Related Activities and Functions

- To work effectively with relevant administrative, technical and academic staff in the School and across the University.
- To carry out specific administrative roles and functions as may be reasonably required.
- To take part in and, on occasion, act as chair of one or more of the School's committees.
- To engage in training programmes in the University (e.g. through Staff Development) which are consistent with your needs and aspirations and those of the School.
- To undertake such other duties as may be reasonably requested and that are commensurate with the nature and grade of the post.
- To engage fully with the annual Performance and Development Review (PDR) process.

Points to Note

The purpose of this job description is to indicate the general level of duties and responsibility of the post. The detailed duties may vary from time to time without changing the general character or level of responsibility entailed

Special Conditions

All staff have a statutory responsibility to take reasonable care of themselves, others and the environment and to prevent harm by their acts or omissions. All staff are therefore required to adhere to the University's Health, Safety and Environmental Policy & Procedures.

All staff should hold a duty and commitment to observing the University's Equality & Diversity policy and procedures at all times. Duties must be carried out in accordance with relevant Equality & Diversity legislation and University policies/procedures.

Successful completion of probation will be dependent on attendance at the University's mandatory courses which include Respecting Diversity and, where appropriate, Recruitment and Selection.

Organisational Responsibility

Reports to the Dean of Science.

Person Specification

Your application will be reviewed against the essential and desirable criteria listed below. Applicants are strongly advised to explicitly state and evidence how they meet each of the essential (and desirable) criteria in their application.

Stages of assessment are as follows:

- 1 – Application
- 2 – Skype
- 3 – Presentation
- 4 – Interview

Essential Criteria

Area	Criteria	Stage
Experience	Evidence of research activity in a subject/discipline consistent with the needs of the School of Science, as outlined in the job description.	1,2,3
	A record of excellence, which is contributing to the furtherance of knowledge in area of activity, and is recognized internationally in that area.	1,2,3
	Experience of working in an internationally recognised academic research environment, including significant experience at post-doctoral level.	1
	Experience of securing major research funds from competitive external sources.	1,4
	Evidence of authoring a substantial body of original work, in the highest quality refereed academic journals.	1,4
	Significant experience of successfully supervising the projects of taught and research students to completion, or company staff at equivalent levels.	1,2,4
Skills and Abilities	Demonstrated ability to presenting research work at conferences.	1
	Demonstrated ability to delivering learning and assessing this at undergraduate and postgraduate level, including curriculum development and management of large undergraduate or postgraduate courses.	1,3,4
	Demonstrated ability to develop an original research programme of the highest quality on your own initiative, and to persuade others of its importance orally and on paper.	1,2,3
	Demonstrated ability to secure research and/or enterprise funds from external / company sources.	1,2,3
	Excellent communication and interpersonal skills which give you the ability to engage with students, colleagues, business and other agencies on a wide variety of matters.	1,2,3
	Ability to work as part of and to lead a team.	4
	A suitable understanding of the structure of universities and issues facing the UK higher education sector, for example: Research funding opportunities in UK HE. The challenges faced in recruiting students to UK HE.	4
Training	Commitment to and evidence of continuing professional development.	1,4
Education	An outstanding educational profile with a first degree within the physical or biological sciences.	1

	A relevant PhD or equivalent experience.	1
Other	Commitment to observing the University's Equal Opportunities policy at all times.	4
Qualifications	A commitment to achieving Fellowship of the HEA.	4

Desirable Criteria

Area	Criteria	Stage
Experience	Experience of working in collaboration with industry.	2,4
	Experience in commercial exploitation of research/ products / services or formation of social enterprises.	2,4

Conditions of Service

The position is full-time and open-ended. Salary will be on Research, Teaching and Enterprise Grade 8, £50,618 to £56,950 per annum, subject to an annual pay award, at a starting salary to be confirmed on offer of appointment.

The appointment will be subject to the University's normal Terms and Conditions of Employment for Academic and Related staff, details of which can be found [here](#).

The University is committed to enabling staff to maintain a healthy work-home balance and has a number of family-friendly policies which are available [here](#).

We also offer an on-campus nursery with subsidised places, subsidised places at local holiday clubs and a childcare voucher scheme (further details are available [here](#))

In addition, the University is supportive, wherever possible, of flexible working arrangements.

We also strive to create a culture that supports equality and celebrates diversity throughout the campus. The University holds a Bronze Athena SWAN award which recognises the importance of support for women at all stages of their academic career. For further information on Athena SWAN see.

Informal Enquiries

Informal enquiries should be made to Dr Paul Roach, Senior Lecturer by email at p.roach@lboro.ac.uk or by telephone on **+44(0)1509 223057**

Applications

The closing date for receipt of applications is **Monday 1 January 2018**.