

## PROFESSOR

Job Ref: REQ17369

As part of the University's ongoing commitment to redeployment, please note that this vacancy may be withdrawn at any stage of the recruitment process if a suitable redeployee is identified.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 University is seeking to appoint an ambitious candidate to a Chair with a view to offering major academic leadership across the School and beyond. We are particularly interested in those who are keen to provide significant leadership in learning and teaching in addition to intellectual leadership in their chosen field of research. The successful candidate will be part of the School's Senior Leadership Team, which provides overall leadership and management of the School under the Dean.*

*The successful candidate will contribute to teaching in one or more of its constituent departments ([Chemistry](#), [Computer Science](#), [Mathematical Sciences](#), [Physics](#)) and research in an area of strategic importance to the School. The latter are represented by various department-based groups and groups in the [Mathematics Education Centre](#), as well as a number of research centres that are currently being founded in the School, including the Interdisciplinary Centre for Mathematical Modelling and the Centre for Imaging Science.*

*The successful candidate will have an excellent track record in research, including significant success in attracting external research funding. They will also have a deep understanding of and exciting vision for learning and teaching in higher education today and into the future, and a keenness to see this vision become a reality. Finally, the successful candidate will also have experience in providing leadership.*

### Job Description

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

#### Job Grade

Research, Teaching and Enterprise Grade 9

#### Job Purpose

To work with other senior academic staff in the School of Science to ensure that the ambitions set out in the University's Strategy, Building Excellence are achieved.

To lead the development and implementation of research, teaching and enterprise strategy to maintain vitality in the activities of the School of Science.

To engage personally with those activities, adding to the School's international reputation in their chosen field of research and the science field more generally.

#### Job Duties

##### **Academic Leadership**

- To provide academic leadership for the activities across the School and the University.
- To pursue excellence in research, teaching and enterprise and to inspire others to do the same.
- To play a lead role in the development and communication of the strategic vision for the School of Science.

- To lead and participate in internal and external networks to foster collaboration and to promote the School and the University, nationally and internationally.
- To monitor the external environment and ensure that the School and University capitalise on emerging opportunities and to review the scope of current academic provision.

### **Research**

- To pursue an 'internationally competitive' 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 initiate, lead and collaborate in research initiatives with colleagues both within the University and externally.
- To initiate, lead and collaborate in research initiatives with other HEIs and other relevant bodies.

### **Teaching**

- To lead colleagues in the School in delivering an exceptional learning environment for students.
- 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 initiate and 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 appraise and advise staff on personal and career development plans.
- 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. After first shortlisting candidates will be invited to a Skype interview before further shortlisting and a final selection panel.

Stages of assessment are as follows:

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

**All applicants are asked to state in their application which research groups and staff at Loughborough they would expect to work closely with if appointed.**

### Essential Criteria

Area	Criteria	Stage
Experience	Leadership experience gained within university or business settings, which may include: <ul style="list-style-type: none"> <li>• project management</li> <li>• leading collaborations</li> <li>• managing professional staff (academic or otherwise) within a team</li> <li>• managing budgets</li> </ul>	1,4
	Evidence of providing personal and/or wider leadership in the learning and teaching space such as innovation in curricula, approaches to teaching, or enhancement of the student experience.	1, 2, 3, 4
	Experience of teaching and assessment at undergraduate and postgraduate level and of curriculum development.	1,4
	Evidence of research and/or academic activity in a subject/discipline consistent with the needs of the School of Science.	1,2,3
	A sustained and continuing record of excellence which has contributed to the furtherance of knowledge in science, and is recognised by an established and high profile international reputation in that area.	1, 4
	Experience of leading and participating in projects in an internationally recognised academic research including sustained experience at a senior level.	1
	Evidence of authoring a substantial body of original work in the highest quality refereed academic outlets as judged against international norms.	1
	Extended experience of successfully supervising the projects of taught and research students or company staff at equivalent levels.	1,4
	Extended experience of presenting research work at international scientific conferences, including in an invited capacity.	1
Skills and abilities	Demonstrated ability to develop a major original research programme on your own initiative and to persuade others of its importance orally and on paper.	3,4
	Demonstrated ability to secure substantial research funding and/or enterprise funds from external sources on a regular basis.	1,4

	Ability to stimulate and inspire others as reflected in academic leadership and influence beyond own discipline/institution.	3,4
	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.	1,2,3,4
	Experience of leading a team.	3,4
Training	Commitment to and evidence of continuing professional development.	1,4
Qualifications	Relevant PhD or equivalent experience.	1
Other	Commitment to observing the University's Equal Opportunities policy at all times.	4
	Fellow of the Higher Education Academy (or a strong commitment to achieve this on appointment).	1, 2

## Conditions of Service

The position is full time and open ended. Salary will be on Research, Teaching and Enterprise Grade 9. A competitive salary and benefits package will be offered commensurate with experience and qualifications, subject to an annual pay award. A competitive start-up package will also be negotiated.

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.

## Informal Enquiries

Informal enquiries should be made to Professor Mark Biggs, Dean of Science by email at [M.Biggs@lboro.ac.uk](mailto:M.Biggs@lboro.ac.uk) or by telephone on +44 (0)1509 222600.

## Application

The closing date for receipt of applications is **4 June 2017**.