

**Job Description**

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| Job Title: | Lecturer in Biomedical Science |
| Faculty/Department: | School of Biological, Biomedical and Environmental Sciences |
| Reporting to: | Head of School |
| Duration: | Continuing |
| Job Family:  | Academic |
| Pay Band: | 7 |
| Benchmark Profile: | Teaching and Research Band 7 |
| DBS Disclosure requirement: | No |
| Vacancy Reference: | FS0147 |

**Details Specific to the Post**

**Background and Context**

### The School of Biological, Biomedical and Environmental Sciences mixes tradition with innovation. We have developed a strong international reputation in Biology and Biomedical Sciences, and we have been teaching science since 1928. We offer a thriving modern environment in which students and researchers alike can benefit from recently refurbished research and teaching laboratories and excellent research facilities.

### Our research strengths are built around three major themes: Biomedical Sciences; Ecology and Environmental Management; and Evolutionary Biology. Our School is expected to make significant contributions to several REF UoAs, and our researchers are involved in a range of interdisciplinary activities across the university and at national/ international level.

### Committed to a future of continued research success, the University of Hull has invested more than £9 million in the School of Biological, Biomedical and Environmental Sciences in the past 2 years. One of the University’s distinct features is its strong research culture of collaboration and interdisciplinary working; the new staff and facilities provided to the School strongly promote this ethos.

### The School has recently been created as a result of the merger between the Department of Biological Sciences with the basic research aspects of the Postgraduate Medical Institute. This has brought together scientists involved in cancer and cardiovascular research who, alongside colleagues in the Hull York Medical School, are addressing fundamental cellular mechanisms of disease as well as translational research. The School is a research-led department, which was placed 6th out of 68 submissions (UoA3) in the 2008 Research Assessment Exercise with over 60% of submissions receiving 3\* and above. We pride ourselves on our vibrant collaborative research community with opportunity for interdisciplinary approaches.

### The University has made significant investment into the School over the past couple of years, particularly in the area of Biomedical research. This together with a major donation from Dr Assem Allam, a local businessman, has supported the development of a purpose built biomedical research institute housed in the Allam Building (opened in 2012) and state of the art molecular imaging techniques including new radiochemical PET-CT/SPECT-CT scanners together with existing capabilities for MRI and optical imaging. Major investment has also permitted the complete laboratory refurbishment of the Hardy and Wolfson buildings, home to the School.

### Cardiovascular disease provides a second major focus for research within the school with particular emphasis on the cellular and metabolic mechanisms involved in heart failure and electrophysiological adaptations in the aging heart. Links with clinical colleagues in HYMS and the NHS locally, together with the biomedical facilities available on the hospital site through links with the Daisy Medical Research Charity have allowed a concerted effort to improve the health of the region and facilitate a strong translational approach.

### Applications are particularly sought from outstanding individuals with research and teaching strengths in Cardiac Biochemistry and Physiology to complement existing research expertise. Experience of working at the interfaces of biomedicine and biotechnology would be advantageous.

### Specific Duties and Responsibilities of the post

The role holder will lecture in the broad field of Biomedical Science, working to deliver excellent teaching at all levels of our undergraduate degree Programmes. The role holder will contribute through a range of teaching styles, from traditional lectures, to practical workshops and laboratory based teaching, as well offering individual tutorial based teaching and undergraduate, and postgraduate research project supervision, where appropriate. Specific duties include, but are not limited to:

* Conduct research in an area of biomedical science relevant to one or more of the School research themes. Secure funding to support this research.
* Teach at both undergraduate and postgraduate levels, supervise postgraduate and undergraduate research projects.
* Undertake departmental administrative duties appropriate for their skills and experience, and engage in appropriate training to develop their teaching and research skills.

In your covering letter please refer directly to the criteria, given in the person specification below. Applications are assessed by the selection panel according to these criteria.

**GENERIC JOB DESCRIPTION**

The job duties and responsibilities listed below are intended to describe the general nature of the role. The duties and responsibilities and the balance between the elements in the role may change or vary over time depending on the specific needs at a specific point in time or due to changing needs in the department. Candidates should note that there may not be an immediate requirement to carry out all the activities listed below.

### Overall Purpose of the Role

The standard academic role at the University includes a combination of teaching, research, scholarship and administration. While all roles will combine these areas of work, the relative weight of each will vary from level to level and over time for individual role holders.

This is typically the entry level post for an academic career and the duties and responsibilities are appropriate for the early stage academic. It is expected that role holders will be developing their skills and competencies in a way which will promote growth into the full academic role.

Newly appointed Teaching and Research staff at this level will teach as a member of a teaching team in a developing capacity within an established programme of study, with the support of a mentor as per induction procedures.

The role holder:

* Will develop research objectives and proposals for own or joint research and conduct individual and collaborative research projects.
* May oversee postgraduate students and act as a personal tutor for students within the department.

**Main Work Activities**

### Teaching and Learning

1. Teach in a variety of settings from small group tutorials to large lectures
2. Identify learning needs of students and define appropriate learning objectives
3. Ensure that content, methods of delivery and learning materials will meet the defined learning objectives
4. Develop own teaching materials, methods and approaches with guidance
5. Develop the skills of applying appropriate approaches to teaching
6. Seek ways of improving performance by reflecting on teaching design and delivery and obtaining and analysing feedback
7. Translate knowledge of advances in the subject area into the course of study
8. Select appropriate assessment instruments and criteria, assess the work and progress of students by reference to the criteria and provide constructive feedback to students
9. Supervise the work of students, provide advice on study skills and help them with learning problems

**Research**

* Identify and conduct own or joint areas of research
* Develop research objectives and proposals of own or joint research
* Write up research work for publication
* Continually update knowledge and understanding in field or specialism
* Prepare proposals and applications to external bodies, e.g. for funding and accreditation purposes
* Engage in continuous personal development
* Write and submit titles and abstracts for conference papers

**Relationships and Team working**

* Liaise with colleagues and students
* Build internal contacts and participate in internal networks for exchange of information and to form relationships for future collaboration, for example faculty committees
* Join external networks to share information and identify potential sources of funds
* Collaborate with academic colleagues on course development, curriculum changes and the development of research activity
* Attend and contribute to subject group meetings
* May be expected to act as Module leader
* Contribute to collaborative decision-making with colleagues on academic content, and on the assessment of students’ work
* Share responsibility in deciding how to deliver modules and assess students

### Additionally the post holder will be required to:

* Fulfil the employees’ duties described in the University’s health and safety policies and co-operate with the health and safety arrangements in place within the department. May be required to undertake specific health and safety roles on request e.g. Display screen equipment assessor, departmental safety officer, fire warden
* Show a commitment to diversity, equal opportunities and anti-discriminatory practices This includes undertaking mandatory equality and diversity training
* Comply with University regulations, policies and procedures
* Where a candidate cannot demonstrate experience of teaching and /or they do not already hold a Postgraduate Certificate in Academic Practice, they will be required to undertake a Postgraduate Certificate in Academic Practice if successful. Proven experience of teaching would include sufficient breadth or depth of specialist knowledge in the discipline and of teaching methods and techniques

**PERSON SPECIFICATION – Teaching and Research Band 7**

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| **Specification** | **Essential**  | **Desirable** | **Examples Measured by** |
| **Education and Training**Formal qualifications and relevant training | * A PhD or equivalent in relevant discipline such as Biomedical Science
* Expected to achieve Associate Fellow level of the Higher Education Academy as represented within the UK Professional Standards Framework, within 2 years from commencement of the post
 | * An upper second/first class Bachelor’s Honours or Masters degree in Biomedical Science or a related discipline.
* Recognised professional accreditation (where appropriate)
 | ApplicationInterview Other |
| **Work Experience**Ability to undertake duties of the post | **Evidence of:** * Several years of post-doctoral experience in relevant biomedical scientific research
* An emerging track record of high quality research output, with publications in high-impact factor journals
* Ability to teach effectively at undergraduate and postgraduate level in a variety of teaching
 | * Involvement in applying for research funding
* Experience of supervision of undergraduate and postgraduate research projects
 | ApplicationInterview Other |
| **Skills and Knowledge**Includes abilities and intellect | **Evidence of:*** An extensive knowledge and understanding of undergraduate and postgraduate biomedical science
* Be capable of preparing, delivering and assessing course material in undergraduate and postgraduate Biomedical Science, at the appropriate level
* Demonstrate a creative research vision for development, implementation and delivery of successful research project
* An ability to communicate complex conceptual ideas to widely divergent audiences
 | * An active contribution to University activities such as committees and research groups
* Evidence of participation in University administration and organisation
 | ApplicationInterview Other |
| **Personal Qualities**Includes any specific physical requirements of the post – (subject to the provisions of the Equality Act 2010) | **Evidence of:*** Working effectively as an active and collegial team member and working productively with colleagues
* A willingness and the ability to plan, prioritise and organise own work and work of other to achieve pre-defined outcomes in the face of competing demands and tight deadlines
* A willingness and ability to establish and deliver a portfolio of appropriate teaching, research and reach-out activities using flexible working practices
* Continuous Professional Development
 | * A positive contribution to University activities and initiatives including open days, graduation ceremonies etc
 | ApplicationInterview Other |