

## Job Details

<b>Position:</b>	<b>Senior Lecturer</b>
<b>School/Department:</b>	<b>School of Biological Sciences</b>
<b>Reference:</b>	<b>21/109163</b>
<b>Closing Date:</b>	<b>Monday 27 September 2021</b>
<b>Salary:</b>	<b>£53,348 - £61,818 per annum</b>
<b>Anticipated Interview Date:</b>	<b>Monday 18 &amp; Tuesday 19 October 2021</b>

### JOB PURPOSE:

To strengthen the academic base of School/Institute at Queen's University Belfast (QUB). To undertake research in line with the School/Institute research strategy, with the intention to establish and lead an independent, competitively-funded research programme in their field of expertise, and provide complementary expertise to allow the expansion of existing areas of strength across the School and wider University. The post holder will also be expected to teach at undergraduate and postgraduate levels, and to contribute to the School's administration and outreach activities.

In line with our ambitious strategy, the School is seeking to make three academic appointments at either Senior Lecturer or Lecturer level in:

- Environmental Sustainability, Carbon Sequestration and Climate Change.
- Integrative Systems Biology.
- Artificial intelligence and Data Innovation.
- Metabolomics and Biomarker Discovery.

The decision to appoint at which level will be determined at interview and will be based on merit.

The Job details below are for the Senior Lecturer role. If you consider that you meet the requirement for this role, we look forward to receiving your application. However if you are at an earlier stage in your career and you feel you are more suitable for a Lecturer role please click on the link below to review the job details for the Lecturer role. **In your cover letter please ensure that you indicate which role you are applying for.**

### MAJOR DUTIES:

#### Research:

1. Develop and contribute to the research strategies of the School and IGFS.
2. Securing external funding as a principal investigator from nationally and /or internationally competitive sources to develop and support research programme.
3. Develop research proposals and funding bids in collaboration with others.
4. Continue to develop a record of high quality research outputs that are at an international level of excellence.
5. Sustain high quality research-related contributions through conference papers and presentations.
6. Supervise PhD students to successful completion.
7. Develop and facilitate a translational research portfolio as appropriate.
8. Collaborate with others to develop a strong research programme.
9. Develop postgraduate research and training programmes.
10. Undertake Continuous Professional Development.

#### Teaching:

1. Provide teaching as directed by the Head of School in the undergraduate programmes in the School/Faculty.
2. Participate actively in postgraduate programmes/training within the School/Faculty as appropriate.
3. Contribute to the enhancement of quality teaching within the subject, School or Faculty, ensuring that course design and delivery

comply with the appropriate benchmarks and regulations.

4. Act as internal examiner for undergraduate and postgraduate students.
5. Supervise research project students as required by the School.
6. Undertake some teaching-related administrative tasks.

#### **Administration:**

1. Contribute significantly to the development and running of the School/area by taking on appropriate School co-ordinating roles. Such duties may include, for example, Advisor of Studies, QAA Aspect Co-ordinator, Module/Year/Programme Co-ordinator or other recognised official University roles.
2. Play an important role in relevant aspects of administration within the School.
3. Additionally he/she may be asked to undertake other administrative duties by the University from time to time.
4. Serve, as appropriate, on School/IGFS/Faculty/University committees.
5. Act as mentor or appraiser to University advising on their personal development and ensuring that they are meeting the standards required.
6. Provide pastoral care for students within their supervision to ensure, as far as practicable, that relevant issues are dealt with in a timely, sympathetic and effective manner.
7. Contribute to the IGFS/School's outreach strategy by designing or delivering Community outreach programmes and developing external links.

#### **Planning and Organising:**

1. Be involved in strategic planning for the School/IGFS and may contribute to the University's strategic planning process.
2. Plan, organise and deliver research, teaching, consultancy etc and ensure that resources are available to support these.
3. Contribute to the management of quality, audit and other external assessments.

#### **Resource Management Responsibilities:**

1. Provide academic leadership to those working within programme areas, as course leader or equivalent, by for example co-ordinating the work of others to ensure that courses are delivered effectively or organising the work of a team by agreeing objectives and work plans.
2. Develop and manage staff and resources, in support of research, teaching or outreach activities.
3. Contribute along with colleagues to the overall management of the Centre in areas such as academic/business planning, resource and budget planning.

#### **Internal and External Relationships:**

1. Lead and develop national and international collaborations and networks to support programmes.
2. Lead and develop internationally competitive research programmes.
3. Lead and develop national/international profile.

#### **ESSENTIAL CRITERIA:**

1. Honours degree or equivalent in Biological Science, Environmental Management, Sustainable Development, Food Science, Nutrition or an area relevant to the job purpose.
2. PhD or equivalent in an area relevant to the job purpose.
3. Completion of a PGCHET (or equivalent) or HEA membership.
4. Research experience and profile which complements the research priorities of the School's disciplinary groupings and the Institute for Global Food Security in one of the following areas:
  - I. Environmental Sustainability; Carbon sequestration; Climate Change;
  - II. Integrative Systems Biology;
  - III. Artificial intelligence and Data Innovation;
  - IV. Metabolomics and Biomarker Discovery.
5. Record of high quality publications at an international level of excellence in internationally recognised journals.
6. Record of successfully obtaining significant research funding or other resources to underpin research, as appropriate to the discipline, through competitive national or international peer-reviewed processes as Principal Investigator.
7. Evidence of developing research methodologies, models, approaches and techniques.
8. Experience of presenting at national and international meetings and conferences.
9. Successful PhD supervision normally as Primary Supervisor.
10. Substantial teaching experience at University level.
11. Evidence of contribution to the successful delivery, enhancements or review of particular modules.
12. Experience of delivering high quality teaching as evidenced by positive feedback received from for example: students, colleagues and external examiners.
13. Evidence of using innovative teaching methods and digital platforms.

14. Contribution to a wide range of administrative tasks.
15. Evidence of academic leadership including managing professional teams, leading initiatives, chairing/participation in committees, contributing to strategy, participating and managing relevant aspects.
16. Ability to be involved in productive external collaboration with industry/community organisations/other institutions.
17. Ability to provide effective leadership for groups and activities with substantial impact on finance and other resources and/or the reputation of the University.
18. Understanding of resource management processes and skills to apply them effectively.
19. Record of and commitment to continuing professional development.
20. Good presentation skills with the ability to communicate complex information effectively.
21. Ability to represent the School/Institute on a national and international basis.
22. The ability to organise workload and prioritise competing demands.
23. Ability to manage resources and staff.
24. Commitment and enthusiasm for working collaboratively to advance the teaching and research priorities of the School/Institute.
25. Must be a team player who can develop effective internal and external research and where appropriate practice links.
26. Must be prepared to travel.

**DESIRABLE CRITERIA:**

1. Track record of RCUK or other external research income from prestigious sources.
2. Project supervision and large class teaching; laboratory teaching.
3. Familiarity with current ideas in tertiary level teaching.