



Candidate Information

Position:	Lecturer – Environmental Microbiology, Biological Sciences
School/Department:	School of Biological Sciences
Reference:	18/107015
Closing Date:	Wednesday 2 January 2019
Salary:	Salary scale: £36,261 - £39,610 per annum (potential to progress to £43,266 per annum through sustained exceptional contribution)
Anticipated Interview Date:	Wednesday 30 January 2019

JOB PURPOSE:

To strengthen the academic base of School/Institute at Queen's University Belfast (QUB). The successful candidate will undertake research in microbial nutrient cycling aligning with the School/Institute's research strategy, teach at undergraduate and postgraduate level, and contribute to the School's administration/outreach activity.

MAJOR DUTIES:

Teaching:

1. Deliver teaching and assessment activities within own area of specialism including lectures, setting/marking coursework, practicals, and field work to undergraduates and postgraduates.
2. Select appropriate assessment instruments and criteria, assess the work and progress of students by reference to the criteria and provide constructive feedback to students.
3. Seek ways of improving performance by reflecting on teaching design and delivery and obtaining and analysing feedback.
4. May oversee research students as directed by Head of School.
5. Supervise practical work where it is part of the course, and advise students on techniques.
6. Plan and develop independent teaching contributions and contribute to the design or revision of course units.
7. Help to develop appropriate teaching approaches and contribute to curriculum development.

Research:

1. The post-holder will develop a research programme in Environmental Microbiology as an individual or as part of a research team within the area of microbial nutrient cycling.
2. Where appropriate, source and secure external funding in collaboration with others from the relevant funding bodies to ensure continued growth of the School's/area's research profile.
3. Publish research in appropriate journals and present work at conferences.
4. Provide guidance to other staff and students on own specialist area.
5. May work/collaborate on original research with colleagues in other institutions.
6. Undertake Continuous Professional Development.

Administration/Contribution to the Community:

1. Contribute to the School's outreach strategy by developing external links.
2. Provide pastoral care for students within own area to ensure that all issues are dealt with in a timely, sympathetic and effective manner.
3. Carry out designated light routine School administrative duties, including, for example, committee work, course administration etc.
4. Be responsible for the record-keeping associated with teaching and the preparation of teaching materials.

Planning and Organising:

1. Plan and manage own teaching and tutorials as agreed with Head of School/mentor.
2. Design/update modules in line with School's teaching strategy.
3. Plan and prepare research papers to meet publication deadlines.

4. Prepare research proposals for submission for external funding.

Resource Management Responsibilities:

1. Manage own teaching, research and administrative demands under general supervision of senior colleagues.
2. Manage use of resources for research and teaching.
3. Act as mentor for students in the capacity of personal tutor.

Internal and External Relationships:

1. Be a member of the School Board, Examination Board and such committees relevant to their administrative duties.
2. Collaborate with other academics within School.
3. Participate in and develop networks, for example to identify sources of funding, contribute to student recruitment, market the institution, facilitate out each work, generate income, or build relationships for future activities.
4. Contribute to the School's outreach programme by establishing links with local community groups, industries etc.

ESSENTIAL CRITERIA:

1. BSc in Microbiology.
2. PhD in Microbiology.
3. A minimum of three years' research experience in the area of microbial nutrient cycling. Applicants must be able to demonstrate proficiency in microbial biochemistry, metagenomics / metatranscriptomics in relation to microbial nutrient cycling and will have overlapping experience in one or more cognate areas, such as waste treatment, sustainability and/or anaerobic microbiology.
4. Record of publications in peer reviewed/refereed journals that are recognised internationally as being high quality, commensurate with experience, in the area of microbial nutrient cycling.
5. Experience of presenting at conferences.
6. Relevant teaching experience at University level.
7. Evidence of good teaching evaluations.
8. Ability to contribute to broader management and administrative processes.
9. Contribution to a community/outreach activities relating to Microbiology.
10. Ability to advance the research and teaching goals of the School.
11. Ability to be involved and strengthen the School/Institute's national and international research networks.
12. High level of analytical capability.
13. Good presentation skills with the ability to communicate complex information effectively.
14. Effective interpersonal skills.
15. The ability to organise workload and prioritise competing demands.
16. Ability to organise and manage resources.
17. Commitment and enthusiasm for working collaboratively to advance the teaching and research priorities of the School/Institute.
18. Must be prepared to travel.

DESIRABLE CRITERIA:

1. Familiarity with current ideas in tertiary level teaching.
2. Both large class and practical class teaching experience.