

Candidate Information

Position:	Lecturer in Molecular Epidemiology
School/Department:	Centre for Public Health
Reference:	23/110775
Closing Date:	Tuesday 25 April 2023
Salary:	£44,414 - £54,421 per annum
Anticipated Interview Date:	Tuesday 16 May 2023
Duration:	Permanent

JOB PURPOSE:

To work with academic colleagues to develop and deliver research and teaching strategies and programmes in molecular epidemiology, with a focus on multi-omic analyses, that complement the strategies of the School and the Centre for Public Health, whilst also developing the candidate's own research portfolio and impact; to increase and advance the use of molecular epidemiology and associated 'big data' approaches and methodologies associated with strategic national and international research programmes and in particular those of the Belfast Region City deal (BRCD); to teach at undergraduate and postgraduate level; and contribute to School and CPH administration/outreach activity.

MAJOR DUTIES:

Teaching:

1. Develop teaching methods, design modules and courses and deliver teaching and assessment activities including lectures, coursework, practicals, and fieldwork according to own area of subject specialism.
2. Develop approaches to teaching and learning which are appropriate for the subject area and reflect developing practice.
3. Contribute to the enhancement of quality teaching within the subject, School or Faculty.
4. Develop and advise others on learning and teaching tasks and methods.
5. Contribute to the design of innovative teaching programmes.
6. Collaborate with others in the School and University to design innovative teaching programmes related to molecular epidemiology.
7. Work with others in the School and University to develop learning and teaching tasks and methods.

Research:

1. Develop, implement, and sustain a research plan in molecular epidemiology applied to Public Health and to programmes linked to the Belfast Region City Deal including managing and undertaking research activities in accordance with the specific project plans of the appropriate research team in CPH, in the new Institute for Research Excellence in Advanced Clinical Healthcare (IREACH Health) and the Global Innovation Institute (GII) of the Belfast Region City Deal.
2. Develop research proposals and successful funding bids individually and in collaboration with CPH researchers and other researchers and relevant practitioners.
3. Sustain a high-quality publication record by publishing in refereed journals and presenting at conferences and workshops so that the molecular epidemiology profile of the School and CPH is enhanced.
4. Recruit, direct, coach and develop research staff, where appropriate.
5. Ensure that research projects are completed on time and within budget.

Administration/Contribution to the Community:

1. Make a tangible contribution to the achievement of strategic goals.
2. Support internationalisation through, for example, development of global partnerships, reputation enhancement, and student recruitment.
3. Contribute to the School and Institute's outreach strategy by developing external links.
4. Develop links with relevant industries and external bodies to encourage technology transfer opportunities and create opportunities for future research projects.

5. Provide pastoral care for students within own area to ensure, as far as practicable, that all relevant issues are dealt with in a timely, sympathetic, and effective manner.
6. Carry out designated School functions, including, for example, participation in committee work, assisting in the process of admissions, and preparation of submissions for teaching quality assessment or the Research Excellence Framework.

ESSENTIAL CRITERIA:

1. Primary Degree.
2. PhD in a subject area related to Molecular Epidemiology.
3. A minimum of three years' research experience at postdoctoral level in a relevant field.
4. Recent, relevant publications in peer reviewed/refereed journals;, recognised internationally as being high quality, commensurate with experience.
5. Experience and expertise in use of the methods relevant to human population-based molecular epidemiology.
6. Research profile which complements the research priorities and strengths of the Centre for Public Health and wider School of Medicine, Dentistry and Biomedical Sciences.
7. Experience of giving presentations at national and international meetings and conferences.
8. Relevant teaching experience at University Level.
9. Relevant academic administrative/management experience.
10. Sound reasoning ability and balanced judgement.
11. Ability to advance the strategic objectives of the University, Faculty and School.
12. Ability to strengthen the School's national and international research networks.
13. Commitment to advancing the subject of Molecular Epidemiology through research, leadership, and education.
14. Good presentation skills with the ability to communicate complex information effectively.
15. Good written and oral communication skills.
16. Ability to present research and other plans and reports to the wider academic community and non-academic audiences.
17. Ability to lead and motivate others.
18. Demonstrable alignment with the Queen's Core Values.
19. Clear commitment to interdisciplinary working.
20. Team player who can develop effective internal and external research and practice links.
21. Able to undertake national and international travel for conferences, research collaborations etc. throughout UK, Ireland and overseas.

DESIRABLE CRITERIA:

1. Master's in molecular Epidemiology, Bioinformatics, Public Health or allied subject.
2. Completion of a PGCHET (or equivalent) or HEA membership.
3. Experience of molecular epidemiology approaches applied to large datasets.
4. Experience analysing population-based multiomic datasets, with a focus on phenomic, genomic, methylation and transcriptomic data.
5. Experience working with relevant international data protection guidelines and requirements.
6. Experience in Knowledge Transfer/Exchange activities.
7. Evidence of having obtained significant external funding.
8. Supervision of undergraduate or postgraduate students.
9. Contribution to a wide range of community outreach programmes/ initiatives to promote Public Health research.
10. Evidence of significant interaction with policy makers in designing, undertaking, or reporting on research.
11. Evidence of awards for communicating science.
12. Invitations to speak at national/international conferences.
13. Experience mentoring students or junior staff.
14. Experience working as part of multi-centre teams or consortia.