![Queen's University Belfast logo]

Candidate Information

Position: Research Fellow
School/Department: Centre for Public Health
Reference: 24/112283
Closing Date: Monday 25 November 2024
Salary: £39,922 - £43,605 per annum
Anticipated Interview Date: Monday, 9 December 2024
Duration: Fixed Term - Full Time, available for up to 9 months or until 31 August 2025, whichever is sooner

JOB PURPOSE:

The principal aim of the post is to undertake a Cancer Research UK funded project to further develop a urine-based molecular early detection test for bladder cancer.

MAJOR DUTIES:

1. Undertake the day-to-day coordination of a project involving several international partners investigating the use of urinary molecular biomarkers for the early diagnosis of bladder cancer in an arsenic-exposed population in Bangladesh.
2. Coordinate shipment of urine samples from Bangladesh to the UK for urinary arsenic measruement.
3. Undertake data management and reporting of urinary biomarker results, including presentation to the study team.
4. Perform a case-control analysis of bladder cancer in relation to arsenic exposure under the supervision of the PI.
5. Perform a case-control analsis of the performance (accuracy) of different mutational markers in diagnosis bladder cancer.
6. Investigate the effects of urinary dilution correction metrics on the performance of these markers.
7. Perform appropriate statistical analyses and graphical data displays and present these to the study group.
8. Prepare findings as scientific articles for submission to peer-reviewed journals.
9. Ensure the timely progression of the project and its milestones.
10. Undertake review of the scientific literature to support project progress as necessary.

ESSENTIAL CRITERIA:

1. A primary degree or Master's degree in epidemiology, public health, genetics or a biostatistics related subject.
2. Have or be about to obtain* a relevant PhD one of the above disciplines, preferably relevant to cancer(within 3 months of the closing date of the post).
3. Significant, relevant, recent research experience and skills relevant to this project e.g. cancer epidemiology study designs, biostatistical analysis, database management, statistical analysis, or working with large epidemiological or genomic datasets.
4. Experience of using statistical packages such as R.
5. Contribution to authorship of articles in international scientific peer-reviewed journals, commensurate with stage of career.
6. Sufficient breadth and depth of specialist knowledge in the discipline and of research methods and techniques pertinent to cancer epidemiology.
7. Ability to deal competently with administrative tasks.
8. Excellent IT skills e.g. Microsoft Office suite.
9. Excellent organisational skills.
10. Excellent inter-personal skills.
11. Excellent oral and written communication skills.
12. Excellent writing skills and the ability to write reports and meet deadlines.
13. Good presentation skills.
14. Articulate, fluent.
15. Ability to work independently and on own initiative, and as part of a multidisciplinary/multicultural team.

16.   Access to transport or ability to meet the mobility requirements of the post and willingness to travel, including overseas, to meet the needs of the post.

DESIRABLE CRITERIA:
1.   Ability to work in a multi-disciplinary environment as part of a research team.
2.   Experience of research investigating urinary or other human biomarkers.
3.   Strong commitment to a career in research.