Candidate Information

Position:	Senior Research Fellow
School/Department:	School of Medicine, Dentistry and Biomedical Sciences
Reference:	22/110461
Closing Date:	Wednesday 4 January 2023
Salary:	£43,414 per annum
Anticipated Interview Date:	Monday 23 January 2023
Duration:	Available for up to 7 months or until 30/09/2023, whichever is sooner.

JOB PURPOSE:

To join the research team lead by Dr John Busby and Professor Liam Heaney to work on several projects related to severe asthma. The main projects are as follows:

1. Funded by the Medical Research Council, The BREATHE collaborative, will build a Northern Ireland cohort of patients with asthma using linked data from the General Practice Intelligence Platform and Honest Broker Service which will be used for future respiratory research in Northern Ireland. The post holder will be responsible for liaising with stakeholders to achieve the appropriate approval for linkage. They will work with partners from across the UK to ensure that variable definitions are aligned with other similar datasets to ensure future interoperability. Once the cohort has been derived, the postholder will take the lead in conducting descriptive analysis and drafting a cohort overview which will be published in a respiratory journal.

2. Funded by Astrazeneca, this project will investigate the carbon footprint of severe asthma and the environmental impact of monoclonal antibody therapy. The postholder will lead the analysis of a bespoke linked dataset within the Northern Ireland Honest Broker Service and will take the lead in disseminating the results of this work. This analysis includes complex statistical methods and hence the post is suited to applicants with substantial experience of statistical analysis and non-standard epidemiological designs.

MAJOR DUTIES:

1. Daily management of study projects.
2. Building a cohort of asthma patients within the NI Honest Broker Service and perform routine statistical descriptive analysis.
3. Design and implement an analysis of the carbon footprint of severe asthma.
4. Secure appropriate governance approval to create bespoke linked datasets.
5. Liaise with national and international collaborators on study methods to ensure future interoperability.
6. Assist the research team with preparation of funding proposals and applications to external bodies.
7. Draft and present regular progress reports for research supervisors or to external audiences to disseminate and publicise research findings.
8. Prepare material for publication in national and international journals and presentations at international conferences.
9. Carry out routine administrative tasks associated with the research project to ensure that the work is completed on time and within budget. These might include liaising with project funders, organisation of project meetings and documentation, financial control, risk assessment of research activities.
10. Apply working knowledge of theory and proactively share this knowledge with others as appropriate. This may include assistance with supervision of PhD students who may be working on related research.
11. Read academic papers, journals and textbooks to keep abreast of developments in own specialism and related disciplines.

ESSENTIAL CRITERIA:

1. Have or be about to obtain a relevant PhD in epidemiology, applied mathematics/statistics or related discipline.
2. Substantial relevant experience in quantitative research.
3. A high academic standing with a growing reputation in research within subject specialism.
4. A sustained publication record in peer reviewed/refereed journals or invited presentations that are REF returnable.

5. Substantial experience of using statistical packages such as STATA to conduct reproducible research.
6. Skills in managing and motivating staff.
7. Evidence of ability to devise, advise on and manage research programmes effectively on time and target.
8. Evidence of ability to manage resources effectively.
9. Demonstrable intellectual ability.
10. Self-motivated and able to work autonomously.
11. Demonstrable ability to communicate complex information clearly.
12. Good team working skills in multiple team settings.
13. Excellent problem-solving skills and able to use own initiative.

DESIRABLE CRITERIA:

1. Experience of working in a secure research environment.
2. Experience of creating bespoke cohorts for applied healthcare research.
3. Experience within respiratory research.
4. Research interests that are sustainable within the School.
5. Ability to secure grants/contracts independently or as a leader of a section in major projects.