



Job Title: Research Associate (Biostatistics/Epidemiology)
Grade: 7
Salary: £34,189 - £39,609 per annum
Department: Health Sciences
Hours/Contract: Full time (although 0.8fte could be considered), funding available to 31 May 2022
Reference: 1175

Role Purpose

To develop and carry out independent research, contributing as a team member to the British Heart Foundation and Cancer Research UK project “Cardio-oncology: A high resolution national electronic health record investigation of the interplay between cancer and heart disease”. The post will involve the development and application of statistical methods using linked population-based audit data to advance understanding of the interactions between cancer and cardiovascular disease. As well as working closely with the Principal Investigators and work package leads, you will work closely with institutional partners at the National Institute of Cardiovascular Outcomes Research (NICOR) and the National Cancer Registration and Analysis Service (NCRAS) within Public Health England (PHE). The post will require high-level expertise in biostatistics/medical statistics/applied statistics/epidemiology.

Main Duties and Responsibilities	% Time
<p>The Research Associate will be expected to:</p> <ul style="list-style-type: none"> • Take a leading role in methodological development and application of this methodology in the area of population based cardiovascular and cancer comorbidity research. They should help determine the direction of the research program in line with reaching the goals of the research project, developing their independent research and providing guidance to the other members of the team. • Design statistical analysis strategies based on project hypotheses and lead on large-scale analyses; • Help clean and harmonise data following standard operating procedures and prepare documentation describing the linked audit data resource; • Write up research findings for publications for dissemination: this will include taking primary responsibility for drafting some research papers, and contributing as a junior partner to the authorship of other research papers; • Liaise with collaborators of the project to ensure the smooth progression of the methodological and applied research (including taking a lead role in liaising with one or more collaborators where agreed with line manager); • Attend project meetings (in Leicester, UK and elsewhere in the UK) and to present work at external scientific meetings, workshops and conferences so as to improve the reputation of the group and that of the role holder. • To undertake such duties consistent with the grade of the post as may be reasonably required 	<p>25%</p> <p>20%</p> <p>15%</p> <p>20%</p> <p>10%</p> <p>5%</p> <p>5%</p>
Internal and External Relationships	





Weekly meetings with line manager (Dr Michael Sweeting).

Further regular meetings with other members of the programme research group (Dr David Adlam, Professor Mick Peake, Professor Paul Lambert and Dr Mark Rutherford).

Other members of the department for critical discussion of the research and exchange of new ideas and approaches that might benefit the research.

Collaboration with external collaborators.

Planning and Organising

The post holder will be required to effectively manage their time to plan their research activity and to deliver on the priorities of the project:

- prioritise tasks within agreed work schedules
- plan for specific aspects of research incorporating issues such as deadlines, project milestones and overall research aims
- adapt daily and weekly plans to accommodate new developments
- be flexible to the changing priorities of the research project
- plan several months ahead to meet project deadlines

Qualifications, Knowledge and Experience

Essential

- To hold, or expect to shortly hold, a PhD (or relevant MSc plus equivalent extensive research experience) in relevant area (medical statistics / cancer or cardiovascular epidemiology) *
- Evidence of research productivity (including high-quality research publications, presentations) *
- Experience of involvement in innovative, high-level research
- Good knowledge of statistical programming (preferably in Stata)*

Desirable

- Good understanding of advanced survival analysis and methods to deal with missing data *
- Experience of working with national audit data and electronic health records *
- Evidence of coherent research activity
- Experience using a database management system (e.g. SQL)

Skills, Abilities and Competencies

Essential

- High level of proficiency in English, sufficient to undertake research, teaching and administrative activities utilising English Language materials and to communicate effectively with staff and students*
- Good analytical skills*



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- Excellent inter-personal skills including effective communications with people from i) different scientific disciplines, and ii) different institutions across the country
- Excellent time management skills in order to meet deadlines*
- Excellent written and oral communication skills*
- Effective planning and organisational skills
- Ability to work independently and also as part of a research team

****Criteria to be used in shortlisting candidates for interview***

VITAL

The University encourages all staff to live our [VITAL values](#) which are:
Valuing People, Innovators, Together, Accountable, Leaders.

Equality and Diversity

We believe that equality, diversity and inclusion is integral to a successful modern workplace. By developing and implementing policies and systems that challenge stereotypes across all aspects of our work, we have a culture that recognises and values the diverse contributions of our staff which benefits everyone. Our strong values of inclusivity and equality support our efforts to attract a diverse range of high quality staff and students, and identify our University as a progressive and innovative workplace that mainstreams equality, diversity and inclusion.



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