

Research Role Profile

Job Title:	Research Fellow (1A)
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Responsible to:	Head of research group, or principal investigator
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Responsible for:	Not applicable
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Job Summary and Purpose:
To undertake research in accordance with the specified research project(s) under the supervision of the principal investigator.

Main Responsibilities/Activities
<p>To undertake a range of research activities within a specified research area, assuming responsibility for specific areas of projects and making use of new research techniques and methods, in consultation with the research award holder or supervisor. This may include fieldwork, interviews, laboratory experimentation, critical evaluation and interpretation, computer-based data analysis and evaluation or library research.</p> <p>Using initiative and creativity to identify areas for research develop new research methods and extend the research portfolio. Analysing and interpreting results of own research. Write up results and prepare papers for submission to appropriate journals and conferences, and other outputs as required and/or appropriate. Attend appropriate conferences for the purpose of disseminating research results of personal development. The post holder may also contribute to writing bids for research grants and will contribute to collaborative decision making with colleagues in areas of research.</p> <p>Continually to update knowledge and develop skills, and translate knowledge of advances in the area into research activity.</p> <p>To plan and manage own research activity in collaboration with others. To carry out administrative tasks associated with specified research funding, for example risk assessment of research activities, organisation of project meetings and documentation. Implementation of procedures required to ensure accurate and timely formal reporting and financial control.</p> <p>To contribute to teaching in the Faculty by carrying out student supervision and/or demonstrating within the post holder's area of expertise and under the direct guidance of a member of departmental academic staff, as appropriate.</p> <p>The post holder may occasionally be required to supervise more junior research staff.</p>

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Person Specification

The post holder must have:

A doctoral degree in a relevant discipline (although individuals who have almost completed a doctoral degree may be appointed). Consideration may also be given to individuals who do not hold a doctoral degree but have required skills based on a number of years experience in specified / relevant fields.

The post holder will have authority over some aspects of project work and must be capable of providing academic judgement, offering original and creative thoughts and be able to interpret and analyse results.

Relationships and Contacts

Direct responsibility to the principal investigator or academic supervisor. The post holder may be asked to serve on a relevant Faculty committee. There may be additional reporting and liaison responsibilities to external funding bodies or sponsors. The post holder may work on original research tasks with colleagues in other institutions.

Special Requirements

To be available to participate in fieldwork as required by the specified research project

All staff are expected to:

- Positively support equality of opportunity and equity of treatment to colleagues and students in accordance with the University of Surrey Equal Opportunities policy.
- Help maintain a safe working environment by:
 - Attending training in Health and Safety requirements as necessary, both on appointment and as changes in duties and techniques demand
 - Following local codes of safe working practices and the University of Surrey Health and Safety Policy
- Undertake such other duties within the scope of the post as may be requested by your Manager.

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ADDENDUM

Job Title:	Research Fellow in Epidemiology and/or Statistics
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Main Responsibilities/Activities

The main responsibilities of the Research Fellow/Assistant in Epidemiology and/or Statistics will be:

- To develop in-depth knowledge of routine data available around project specific scientific areas.
- To lead statistical modelling in key research projects.
- To further develop the teams research portfolio, by strengthening our research relationship with external collaborators.
- To provide scientific support and expertise
- To attend various conferences in the UK and internationally, and meetings and represent the teams work at these events.
- Draft or write research articles for high-impact peer-reviewed journals, book chapters, and reviews, present papers at conferences, and lead seminars to disseminate research findings.
- To strengthen our surveillance and research relationship with collaborators. This will primarily be in surveillance, vaccine effectiveness studies and diabetes, but will also explore future novel opportunities.
- To engage in collaborative work with epidemiologists and scientists to participate in and develop collaborative research projects and to manage the delivery of commissioned services e.g. microbiological sampling.
- Assist, or where relevant lead, grant proposals for new research; and support existing and developing new external collaborations.
- Complete the NHS Information Governance training and adhere to the strict regulations of the DCEM on data protection.
- Attend the learning opportunities offered by the DCEM in the use of routine health care data and statistical analysis using R.
- To develop ontologies for specific projects for the analysis of large datasets.
- Ability to communicate data and ideas effectively in both verbal and written forms
- Visit practices where required.
- Motivation to work independently, to be flexible and creative, and willing to solve problems
- Any other duties relevant to grade and experience.

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Person Specification

In addition to the criteria outlined in the accompanying generic Research Fellow (1A) Role Profile, the post holder should have (E = Essential; D = Desirable):

- The successful candidate must have a doctoral degree in a relevant discipline (although individuals who have almost completed a doctoral degree may be appointed), such as epidemiology, population health, computational biology, statistics, computer science or a similarly quantitative discipline. Consideration will also be given to individuals who do not hold a doctoral degree but have required skills based on a number of years' experience in specified / relevant fields; particularly in statistics or data processing. (E)
- Post holder will have authority over some aspects of project work and must be capable of providing academic judgement, offering original and creative thoughts and be able to interpret and analyse results (E)
- The successful candidate will also have a track record of learning new methodologies, developing statistical models, having a good working knowledge of modern applied statistical techniques and analysing routine health care data sets for research purposes. (D)
- Knowledge of a statistical programming language (preferably R) and SQL.(E)
- The post holder must have experience of, or demonstrate an understanding of the peer review literature, high-impact peer-reviewed journals, book chapters, and reviews, present papers at conferences, and lead seminars to disseminate research findings. (E)
- Experience preparing grant proposals for new research (D)
- Ability to adapt to the changing requirements (D)

Special Requirements

Team members are generally expected to work from the group offices. The group uses agile methods to ensure a keen focus on work and outputs. We hold a daily SCRUM and to minimise emails between group members each staff member reports at the end of the day with a daily task report email.

Research Role Profile

Background Information

A new position has become available within the Clinical Informatics and Health Outcomes Research Group in the Real World of Evidence centre at the University of Surrey. The research group has a research portfolio of over £7million.

The research team, led by Prof Simon de Lusignan (http://www.surrey.ac.uk/fhms/people/atoz/simon_de_lusignan/) has been involved in a wide range of projects over the last 15 years, focusing on how to measure quality and health outcomes from routine data, quality improvement and technology trials, integrating the use of the computer into the clinical consultation, and the surveillance of infectious diseases using routine data.

This post is part of a five year framework agreement between Royal College of General Practitioners and Public Health England (PHE). An ongoing collaboration providing state-of-the-art surveillance of influenza and other infectious diseases trends using routine data from over 200 GP practices in England. Outputs will be published in peer review journals and are expected to have impact on health care delivery.

The team is looking to recruit a new Research Fellow, in Epidemiology and/or Statistics, to provide high-quality statistical and/or epidemiological expertise within the multidisciplinary research team, thereby contributing to the delivery of studies within the theme.

The post holder will work closely with colleagues at RCGP and with senior scientists at PHE who will provide input, direction and academic supervision.

The role underpins research carried out in the Clinical Informatics and Health Outcomes research group in accordance with the specified research project(s) under the supervision of the principal investigator. Post holder will report directly to the head of Department, Prof Simon de Lusignan. There may be additional reporting and liaison responsibilities to external funding bodies or sponsors. The post holder may work on original research tasks with colleagues in other institutions.