

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:	SQL Developer/ Data Analyst
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Main Responsibilities/Activities

The goal of the post is to extend the range of innovative clinical informatics projects in the Department. The key skills required are experience in SQL and an interest in processing large complex datasets. These will be held in an SQL database.

The SQL Developer/ Data Analyst is expected to:

- Work with the team to improve our technical processes and our database environment;
- Assist with the management of the SQL Server-2012 server environment;
- Contribute to the design of research projects and drafting of research proposals;
- Deliver efficient and predictable processes for processing data within research projects;
- Provide support for researchers in data processing and data analysis using appropriate analytical packages;
- Contribute to the writing up of results, and preparing the project report and papers for submission to academic journals;
- Support research activities for undergraduate and post-graduate courses in the faculty as appropriate;
- Work with our information governance lead to ensure that process and procedures are in place to ensure compliance with Data Protection Legislation and information governance policy.

You should have substantial experience in using SQL Server T-SQL. You should also possess a master's degree in computing, mathematics or another relevant discipline with advanced database work or an equivalent technical qualification.

The key skills required are experience in SQL and an interest in processing large complex datasets held in an SQL database. This post would suit an SQL developer, or someone with database and data mining skills who would like to work in an SQL environment. Experience with health data would be preferred but is not essential; database skills are paramount.

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Person Specification

- Appropriate skills and experience in data bases and with SQL. (E)
- A technical or professional qualification is desirable, however database skills are paramount. E.g. Microsoft Certified. (D)
- The successful candidate will also ideally have a track record of learning new methodologies, developing statistical models, having a good working knowledge of modern applied statistical techniques (e.g. multilevel models, Bayesian models), and analysing routine health care data sets for research purposes. (D)
- Knowledge of a statistical programming language (preferably R). (D)
- The key skill requirements are experience in SQL and interest in processing large complex datasets held in an SQL database. (E)

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

Suitably qualified candidates may be eligible and would be encouraged to enrol for a PhD. A current doctorate is not a bar to appointment.

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.

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

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Background Information

The new post has become available in the Real World of Evidence centre within the Department of Clinical & Experimental Medicine (DCEM) at the University of Surrey.

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.

The team is looking to recruit SQL Developer/ Data Analyst to extend the range of innovative clinical informatics projects within the multidisciplinary research team, thereby contributing to the delivery of studies within the theme.

The role underpins research carried out in the Clinical Informatics and Health Outcomes (clininf.eu) research group in accordance with the specified research project(s) under the supervision of the principal investigator.