

Research Role Profile

Job Title:	Research Fellow B
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Responsible to:	principal investigator
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Responsible for:	Responsibility for staff within own research group
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Job Summary and Purpose

To plan and deliver research in accordance with the specified funded research project. To contribute to securing funding for own research projects and for projects for those staff under their direct supervision.

Main Responsibilities/Activities

To contribute to the development of the research of the Faculty, by planning and carrying out research activity within a specified area, often in collaboration with colleagues.

To take a significant role in planning, co-ordinating and implementing research programmes and, where appropriate, commercial and consultancy activities. To take lead responsibility for a small research project or identified parts of a large project. This may include planning fieldwork, data analysis and evaluation and laboratory experimentation. To make decisions about research programmes and methodologies, often in collaboration with colleagues, and to resolve the problems of meeting research objectives and deadlines.

To develop new concepts and ideas to extend intellectual understanding. Assess, interpret and evaluate the outcomes of research, and develop ideas for the application of research outcomes. To take a role in the regular publication of results in appropriate journals, in giving presentations at national and/or international conferences, and in other outputs as required and/or appropriate.

To develop innovative research proposals (as a self-contained item or as part of a broader programme), identifying sources of funding, submitting funding bids, and gaining positive reviews for these. Promoting own area of research.

Continually to update knowledge and develop skills. To extend, transform and apply knowledge acquired from scholarship to research and appropriate external activities.

To carry out management and administrative tasks associated with specified research funding, including managing and developing staff within their projects; risk assessment of project activities; organisation of project meetings and documentation; management of resources, preparation of annual reports, and management or monitoring of research budgets. To oversee and implement procedures required to ensure accurate and timely formal reporting and financial control.

To undertake liaison with external organisations including equipment manufacturers, steering committees, associated academic facilities and commercial users.

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To contribute to teaching within the Faculty by carrying out student supervision, demonstrating or lecturing duties within the post holder's area of expertise. May be required to contribute to the supervision of research students.

Person Specification

The post holder must have:

Normally a doctoral degree in a relevant discipline, together with appropriate experience of working in a similar area of work.

The post holder will need to demonstrate a high level of competence and independent standing in research by being nationally recognised within their area of discipline, publishing regularly in recognised appropriate journals and attracting research funding for their own work or for other staff within the research group.

Relationships and Contacts

The post holder may have a key responsibility to the principal investigator, with prime responsibility for reporting and liaison with external funding bodies or sponsors. As a senior member of the project team, the post holder will also supervise the activities of research and technician staff within the particular research group

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 to Role Profile

Job Title: Research Fellow B in Analytical Chemistry

Job Summary and Purpose:

This information sheet should be read in conjunction with the accompanying generic Research Role Profile and will be used for shortlisting processes. More specifically the post holder will be expected to:

- Development, implementation, and assessment of LC-MS and direct analysis mass spectrometry methods for the analysis of small molecules
- Co-supervision of students and researchers
- Co-leading the projects/deliverables

Main Responsibilities/Activities

- Reviewing the literature and keeping up to date on state of the art in the field
- Engaging with relevant literature from engineering to identify and adopt useful concepts, methods, and models
- Continuous liaisons with the other participants of the consortium to help ensure the successful attainment of project goals
- To present the research results to the other project participants
- Deliverable report writing
- Project co-leading
- To prepare high-quality conference and journal papers
- To contribute to the training of postgraduate students, where appropriate, including assisting with the co-supervision of projects in areas relevant to the project.
- Co-supervising of researchers

These duties provide a framework for the post and should not be regarded as a final list. Other reasonable duties may be required consistent with the grade of the post.

Person Specification

The post holder must have:

- Degree in chemistry or similar areas and a PhD or equivalent industrial experience
- strong background in mass spectrometry
- experience of liquid chromatography mass spectrometry
- understanding of ambient ionisation mass spectrometry
- experience in data collection, analysis, and interpretation of results
- capable of providing academic judgment, offering original and innovative thoughts
- good analytical and problem-solving skills
- strong research and analytical skills

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- scientific ambition with motivation and a strong interest in cutting-edge research
- good time management and planning skills with the ability to meet tight deadlines
- good written and verbal communication skills
- a strong commitment to your continuous professional development
- a proven ability to work well both independently and as a part of a larger team of researchers within the project

Relationships and Contacts

- Work with the project PI and other researchers within the project
- Collaborate with consortium partners
- The co-supervision of B.Sc., M.Sc. and Ph.D. students