

Research Role Profile

Job Title:	Research Fellow in Extracellular Matrix and High throughput screening
-------------------	---

Responsible to:	Salvatore Santamaria
------------------------	----------------------

Responsible for:	Not applicable
-------------------------	----------------

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 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>

Research Role Profile

Person Specification

The post holder must have:

A doctoral degree in a relevant discipline and previous expertise in protein expression and purification and FRET assays, preferably on metalloproteases.

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 spend up to two months in the AstraZeneca Research Facility in Cambridge, UK. Availability for flexible travels is required.

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.

Research Role Profile

Addendum

This document provides additional information relating to both specific aspects of the post/faculty and any post specific person specification criteria. The information contained within this document should always be read in conjunction with the accompanying generic Role Profile.

Job Title:

Research Fellow A

Background Information/Relationships

The post will be based in the Discipline of Clinical Sciences in the School of Biosciences and Faculty of Health and Medical Sciences at the University of Surrey. The project will be run in collaboration with AstraZeneca. The successful candidate will spend a short period at the AstraZeneca research facilities in Cambridge, UK.

The main focus of the project will be to screen the AstraZeneca proprietary library to identify inhibitors of the metalloproteinase ADAMTS8.

The ideal candidate will have strong interests in research underpinning the regulation, and therefore function, of ADAMTS proteases and their substrates. Experience in protease expression and purification (ideally in ADAMTS proteases), cell-based assays and FRET assays are required.

Person Specification

This section describes the sum total of knowledge, experience & competence required by the post holder that is necessary for standard acceptable performance in carrying out this role. This is in addition to the criteria contained within the accompanying generic Role Profile.

	Essential/ Desirable
1. A degree in biological sciences, medicine, dentistry or veterinary medicine	Essential
2. A PhD in biological/biochemical/medical sciences	Essential
3. Experience in protein expression and purification	Essential
4. Experience in cell culture	Essential
5. Experience in FRET assays	Essential
6. Experience in analysis of complex datasets	Essential
7. Experience in ADAMTS function and regulation	Desirable

Key Responsibilities

Research Role Profile

This document is not designed to be a list of all tasks undertaken but an outline record of any faculty/post specific responsibilities (5 to 8 maximum). This should be read in conjunction with those contained within the accompanying generic Role Profile.

- (1) Carry out world-class research and produce high quality publications, or other research outputs.
- (2) Take part in the academic activities including contributing to lab meetings and presentations.
- (3) Contribute to grant writing.
- (4) As part of your development, attend relevant workshops and conferences as necessary and develop contacts within the College and the wider community.
- (5) Provide training and supervision for research students.