

Research Role Profile

Job Title:	Research Assistant
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Responsible to:	Head of research group, or principal investigator
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Responsible for:	There is no direct supervisory responsibility
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Job Summary and Purpose:
To support research activity in accordance with specified research project(s) under the supervision of the principal investigator

Main Responsibilities/Activities
<p>To support a research team by contributing to the planning of research projects and undertaking prescribed research tasks in accordance with specified research project(s), making use of standard research techniques and methods. These may include fieldwork, interviews, laboratory experimentation, computer-based data analysis or library research as directed by the research award holder and will entail co-ordinating own work with that of others to avoid conflict or duplication of effort. Analysing and interpreting results of own research, under the guidance of research award holder or supervisor. Write up results and contribute to the preparation of 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.</p> <p>Continually update knowledge and develop skills</p> <p>To carry out routine administrative tasks associated with a specified research project, for example risk assessment of research tasks, organisation of project meetings and documentation. This will entail planning own day-to-day research activity within the framework of the agreed programme, dealing with problems that may affect the achievement of research objectives and deadlines and implementing procedures required to ensure accurate and timely formal reporting and financial control</p> <p>Demonstrating, or occasionally assisting with undergraduate supervision within the post holder's area of expertise and under the direct guidance of a member of the Faculty academic staff.</p>

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Person Specification

The post holder must have:

A first degree or a professional qualification or equivalent in a relevant subject.

At least part-completed a relevant doctoral degree or have relevant experience in a given field.

Whilst there is no requirement for previous work experience, the post holder will be expected to be able to support research activities by performing experiments and/or undertaking studies and analysing/ interpreting results.

Relationships and Contacts

Direct responsibility to the principal investigator or academic supervisor.

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

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 Job Purpose.

Job Title: Research Assistant in Epidemiology

Background Information/Relationships

This post will be based in the Department of Comparative Biomedical Sciences within the School of Veterinary Medicine at the University of Surrey, with close ties to the Surrey Institute for People-Centred Artificial Intelligence and the School of Mathematics. The postholder will engage with European partners to develop epidemiological models for priority diseases in Europe, considering the economic consequences.

This post is part of a three-year collaborative project funded under the EU Partnership for Animal Health and Welfare (<https://www.eupahw.eu/>).

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 Job Purpose.

Qualifications and Professional Memberships	Essential/ Desirable
Degree in a STEM discipline (e.g., biology, veterinary medicine, mathematics, engineering, or related discipline)	E
On track to complete a PhD in Epidemiology, mathematical modelling or related discipline	E
Coding experience in any programming language (e.g. R, python, C++, julia)	E
Research experience developing or implementing mathematical/statistical models for diseases in pigs (such as Porcine Reproductive and respiratory virus)	E
Experience writing research articles	E
Experience in academic presentations and communications	E
Research experience in economic evaluation	D

Key Responsibilities

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This document is not designed to be a list of all tasks undertaken but an outline record of any faculty/post specific responsibilities. This should be read in conjunction with those contained within the accompanying generic Job Purpose.

The postholder will be expected to:

1. Take responsibility for data analysis and statistical and mathematical modelling aspects of the project, under the supervision of Dr Prada.
2. Develop statistical/mathematical models according to the needs, and in coordination with, the teams from the partner institutions.
3. Summarise data and produce reports.
4. Participate in and lead training activities, workshops and events in partner countries and online.
5. Present their work at conferences.
6. Write publications based on their research findings.

N.B. The above list is not exhaustive.