

## Academic Role Profile

<b>Job Title:</b>	Senior Lecturer (Research and Teaching Track)
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<b>Responsible to:</b>	Head of School
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<b>Responsible for:</b>	Research staff employed on programmes and awards directed by the post holder. May have supervisory responsibility for other staff.
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<b>Job Summary and Purpose</b>	
To develop a personal research portfolio in line with the Faculty's research strategy, to take a lead in teaching at undergraduate and postgraduate level, and to participate in Faculty and University administration.	

<b>Main Responsibilities/Activities</b>	
<p><b>To develop the research activities of the Faculty and the University (in collaboration with others in the discipline where appropriate) by:</b></p> <p>Developing the research activities of the Faculty and the University by maintaining an expert reputation in own subject area independently and/or in collaboration with others as part of a larger research team, sustaining a track record of published research findings.</p> <p>Planning, co-ordinating and leading research activities in accordance with a specific project plan through a research team or a group of staff involved in research. Managing the financial and physical resources associated with the research activities. Supervising and guiding the work of staff and research and doctoral students on own specialist area.</p> <p>Leading 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. Planning the research to be undertaken</p> <p>Publishing original research in appropriate journals or other media, as appropriate.</p> <p>Engaging in external academic activities in accordance with the Faculty's research strategy at a national level. Such activities may include creative work, the generation of research funding, and contribution to professional meetings and societies.</p> <p>Contributing to the wider academic community general life and work of the University through, for example, editing journals, refereeing papers, external examining, involvement in professional bodies.</p> <p>Attending appropriate conferences for the purpose of disseminating research results or personal development</p> <p>Leading funding bids which develop and sustain research support for the specialist area and advance the reputation of the Faculty and the University.</p> <p>Sustaining and developing professional expertise and maintaining the requirements for registration with the appropriate body (<i>for academics with clinical links only</i>).</p> <p><b>To develop the teaching activities of the Faculty by:</b></p>	

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Leading the development of new teaching methods and designing programme units and taking responsibility for the quality of programme units.

Planning, delivering and critically reviewing a range of teaching and assessment activities including lectures.

Training and supervising of students (including research students) and acting as a tutor for industrial/professional training year students, and acting as an external examiner, according to own area of subject specialism.

Setting/marking programme work, practical sessions, supervisions, fieldwork and examinations according to own area of subject specialism, and providing appropriate feedback to students.

Taking part in activities such as validating and examining in relation to the University's associated institutions.

**To engage in scholarship by:**

Continually updating knowledge and understanding in the field or specialism. Extending, transforming and applying knowledge acquired from scholarship to teaching, research and appropriate external activities.

**To undertake pastoral care of students by:**

Using listening, interpersonal and pastoral care skills to deal with sensitive issues concerning students and provide support. Appreciating the needs of individual students and their circumstances. Acting as personal tutor and giving first line support. Taking responsibility for dealing with referred issues for students within own educational programmes, and providing first line support for colleagues, referring them to sources of further help if required.

**To contribute to the efficient management and administration of the Faculty, the University and the wider academic community by:**

Performing such personal administrative duties throughout the Faculty and the University as are recognised by the University as properly within the remit of the work of academic staff, such as Director of Studies, Examination Office, Time-tabling Officer.

Advising, supervising and giving guidance to other staff.

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### Person Specification

**The post holder must have:**

A higher professional qualification, normally a doctoral degree

Proven academic leadership

Achievement in scholarship and research at a national level

Evidence of a leadership/development role in high quality teaching at undergraduate and postgraduate level

Evidence of making a contribution to the administration and general life and work of an academic institution

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### Relationships and Contacts

The post holder will be a member of such Faculty Committees as may be relevant to their administrative duties, for example Faculty Board of Studies and Examination Board. New appointees will be assigned a senior colleague to aid their integration into the Faculty and university. Research priorities will be agreed within the strategic framework of the research theme of which they are a member. Teaching and administrative duties will be allocated by the Head of Faculty, within the context of the teaching programmes agreed by the Faculty Learning and Teaching Committee.

### Special Requirements

To be able to participate in residential field work, in the UK or overseas, according to own area of subject specialism.

The post holder is expected to work outside normal office hours as necessary.

### 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:

Senior Lecturer in Microbiome Science

### Background Information/Relationships

The University of Surrey is an international University with a world class teaching and research profile that is innovative, forward thinking and achieving notable results. Our research seeks to address global challenges, drive innovation, and deliver real-world impact. In the most recent UK Research Excellence Framework (REF2021), our research was ranked in the UK top 20 for research outputs. The School of Veterinary Medicine at the University of Surrey opened in 2014 with a vision to deliver world-leading, multi-disciplinary, translational research and innovative education through local and global partnerships to benefit veterinary and human medicine (One Health).

The School of Veterinary Medicine currently holds over £7m in external research support for animal and human microbiome projects. A vibrant and collaborative community of post-doctoral researchers and PhD students are currently working on microbiome projects ranging from in vitro studies of antimicrobial resistance to helminth and parasiticide interactions with the microbiome to early-life microbiome of foals. In-house technologies supported by the University include both Illumina and nanopore sequencing platforms, Luminex-read multiplex immunoassay of cytokines, Biolog metabolic fingerprinting and aerobic/anaerobic culturomics. Data processing and analysis is supported by the University's Bioinformatics Core Facility. Examples of current projects are available at [Horse Microbiome Research Group](#) and [Anthelmintic Resistance in Southeast Asia \(AHR-SEA\)](#) and [La Ragione Research Group](#).

The School seeks to recruit an exceptional researcher in the field of microbiome science to build on existing strengths in this field in the School, capitalise on cross-disciplinary opportunities within the University and further enhance the existing relationships with our key research partners. The successful candidate will contribute to undergraduate and postgraduate teaching within the school, showcasing cutting-edge research in their teaching.

The appointee will be responsible for:

- Creation of a sustainable research group generating high quality publications and demonstrable impact
- Securing research income to support the work of the group including PhD studentships
- Mentorship of post graduate research students and postdoctoral fellows
- Initiation of cross-disciplinary research collaborations allowing novel, multi-disciplinary insights into animal and human health and disease
- High quality, research-led contributions to undergraduate and postgraduate teaching

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### 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.

	<b>Essential/ Desirable</b>
A higher research degree (PhD) in biological sciences or a related discipline	E
A significant track record of world leading publications in peer-reviewed journals in the field of microbiome science, including senior author publications	E
A proven track record of external research grant bidding and income generation as principal investigator (PI), including award of at least one UKRI grant (or equivalent) as PI demonstrating independence	E
Experience of delivering inspiring and engaging learning and teaching at undergraduate and postgraduate level	E
A proven track record in supervising PhD students as principal supervisor	E
Evidence of establishing and contributing to multi-disciplinary research collaborations	E
Fellow of the Higher Education Academy/Advance HE (FHEA)	D
Bioinformatics/computational expertise	D
Membership (or eligibility for membership) of the Royal College of Veterinary Surgeons	D
Proven leadership in knowledge exchange activities including working with industry on the creation, development and implementation of knowledge	D

### Key Responsibilities

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 Job Purpose.

1. Establish a well-funded, sustainable research group in the field of microbiome science.
2. Sustain an excellent track record of publishing high quality research, contribute to the School of Veterinary Medicine's REF submissions and deliver significant impact in research.
3. Supervise PhD students to ensure good progression and timely completion of PhDs.
4. Develop cross-disciplinary collaborations within the University of Surrey and wider national and international collaborations with academia and industry to enhance the funding-base and visibility of the research group.
5. Make a personal contribution to teaching excellence at undergraduate and postgraduate level. This may include acting as a module lead for delivery of at least one undergraduate or taught postgraduate module in a relevant area.

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6. Academic administration and leadership activities where required.

**N.B. The above list is not exhaustive.**