

## Academic Role Profile

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| <b>Job Title:</b>       | Professor of Vaccinology   |
| <b>Responsible to:</b>  | Section Lead, Immunology   |
| <b>Responsible for:</b> | Research staff employed on programmes and awards directed by the post holder. May have supervisory responsibility for other staff. |

### Job Summary and Purpose

To develop and lead a significant programme of research in line with the Faculty's One Health research strategy, attracting and securing significant research funds.

Contribute and promote the aims of the Pirbright Livestock Antibody Hub providing a formal link between Surrey and Pirbright

To provide academic leadership in undergraduate and postgraduate courses within area of expertise.

### Main Responsibilities/Activities

#### To develop the research activities of the Faculty and the University by:

Leading a significant programme of research, sustaining an extensive track record of published research findings in appropriate, peer reviewed research journals and/or monographs to maintain and enhance expert reputation in own subject area.

Planning, co-ordinating and leading a significant programme of research 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.

Leading innovative research proposals and submitting funding bids, winning support for them and planning the research to be taken, as a self-contained item or as part of a broader programme. Obtaining and sustaining research, consultancy and other additional funding

Seeking collaborative research opportunities with other members of Faculty staff and develop multidisciplinary research links with other parts of the University where appropriate.

Developing research activities which extend current thinking in the subject area, thereby enhancing the reputation of the Faculty and the University.

Being an active member of the Pirbright Livestock Antibody Hub Steering Committee, linking activities and driving collaboration between Surrey and Pirbright while contributing to the research goals of the Hub.

Maintaining an expert reputation in own subject area

Engaging in external activities in accordance with the Faculty's research strategy at a national and international level. Such activities will include membership of committees of academic and

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professional bodies, external examining, editing journals and contribution to professional networks, national and international meetings, societies and bodies (including governmental ones).

Attending appropriate national and international conferences to disseminate research results.

### **To develop the teaching activities of the Faculty by:**

Providing academic leadership at undergraduate and/or postgraduate level, as appropriate, by leading the development of new teaching methods and designing programme units and taking responsibility for the quality of programme units.

Taking an active role in teaching at undergraduate and postgraduate level; planning, delivering and critically reviewing a range of teaching and assessment activities including lectures; supervising undergraduate and postgraduate laboratory project students and professional training year.

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 the initial resolution of all student issues within and outwith standard procedures and ensuring that an appropriate framework is developed and used for pastoral care issues.

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

Performing personal administrative duties throughout the Faculty and the University as are recognised by the University as properly within the remit of role of professor, such as research group leader and roles associate with teaching programmes, as allocated by the Head and contributing to the general life and work of the University.

Advising, supervising and giving guidance to other staff. Taking overall responsibility for the welfare of staff drawing on specialist advice and support.

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### Person Specification

#### The post holder must have:

A higher professional qualification, normally a doctoral degree.

Outstanding qualities and achievements in scholarship and research at a national and international level which have made a significant contribution to the advancement of their subject

Significant academic publication record

Evidence of leadership in research, including postgraduate research supervision

Evidence of securing a significant amount of sustained research funding

Proven management and leadership qualities at a senior level

Proven administrative ability at a senior level

Evidence of contributions to conferences, professional meetings and societies at an international level and evidence of achievements in other external activities at an international level.

Evidence of high-quality teaching at undergraduate and postgraduate level

### Relationships and Contacts

Professors are expected to accept invitations to serve on national and international bodies, including governmental bodies. They will also be expected to contribute to the University by taking on roles that enable the University to meet its administrative needs.

To attract research funding, a Professor will be expected to liaise with existing and potential sponsors.

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

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

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### Academic Role Profile

- 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:** Professor of Vaccinology

### Background Information/Relationships

This University post within the School of Biosciences and Medicine is created through philanthropic contribution to the University of Surrey and collaboration with the nearby Pirbright Institute, which has been funded by the Bill & Melinda Gates Foundation to develop a Livestock Antibody Hub supporting animal and human health. Our mission is to improve human and animal health through world-leading discovery and translational research and teaching in biosciences and medicine.

Immune function research is undertaken across the School and underpinned by the Section of Immunology, consisting of three lecturers and the Section Lead, Professor of Immunology.

#### **The post holder will be responsible to:**

- The Section Lead, Immunology.

#### **The post holder will be responsible for:**

- Building and leading a complementary programme of interdisciplinary research in vaccine development for the School of Biosciences and Medicine, and for providing academic and strategic innovation in Immunology and more widely across the School of Veterinary Medicine.

The post holder will contribute to leadership in the development and delivery of an innovative research programme in the broader field of immunology and infectious disease. They will be responsible for leading the development of innovative research proposals, identifying sources of funding, submitting funding bids, undertaking high quality research and publishing in appropriate journal, thereby supporting the School research strategy. Where appropriate, they will also contribute to learning and teaching across relevant modules and ensure an excellent student experience within taught sessions. Importantly, they will show leadership in the recruitment of exceptional postgraduate students and to work collaboratively with local, national and international, colleagues and partners, including most notably The Pirbright Institute. It is essential that the post holder embraces the School's collegial and interactive ways of working.

### 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.

|   | Essential/<br>Desirable |
|---|-------------------------|
| A higher research degree (PhD) in immunology or related discipline.                 | E                       |
| World class sustained research performance, including an exceptional and continuing | E                       |

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| publication record.  |   |
| A proven and sustained track record of substantial external research grant income generation demonstrating leadership and independence.  | E |
| Evidence of innovation in learning and teaching.   | E |
| A proven track record in supervising PhD students through to completion as principal supervisor.   | E |
| Evidence of scholarly contributions to conferences, professional meetings and societies at an international level, and evidence of achievements in other external activities at an international level   | E |
| Successful completion of the Graduate Certificate in Learning & Teaching, or equivalent teaching qualification.  | E |
| Proven leadership in knowledge transfer activities, the creation, development and dissemination of knowledge to the local, regional, national or international communities   | E |
| <p><b>Key Responsibilities</b></p> <p>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.</p>  |   |
| <ol style="list-style-type: none"> <li>1. To ensure that research and educational programme developments are aligned to the School's vision as well as with The Pirbright Institute's Livestock Antibody Hub supporting animal and human health;</li> <li>2. To build research collaborations locally, nationally and internationally;</li> <li>3. To develop and lead a team of internationally recognised researchers in innovative research proposals within the realm of immune system function and reducing either infectious disease or cancer impact through prophylactic and therapeutic vaccine design;</li> <li>4. To secure continuous extramural research funding so as to undertake and publish research of the highest standards in immune function, vaccine design and related disciplines;</li> <li>5. To provide leadership, mentorship and management of academic colleagues to achieve recognition of world leading research activity within the School and the Pirbright Institute;</li> <li>6. To contribute to and to lead programme management meetings and discussions on immune function and infectious disease research;</li> <li>7. To provide leadership in the national and international recruitment and training of postgraduate students and the development of international collaborations;</li> <li>8. To extend, transform and apply knowledge gained from research scholarship to education and to innovation in translation and societal impact.</li> </ol> <p><b>N.B. The above list is not exhaustive.</b></p> |   |

### Academic Role Profile

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| Job Title:       | Reader of Vaccinology  |
| Responsible to:  | Section Lead, Immunology   |
| Responsible for: | Research staff employed on programmes and awards directed by the post holder. May have supervisory responsibility for other staff. |

#### Job Summary and Purpose

To develop and lead a significant programme of research in line with the Faculty's research strategy, attracting and securing research funds.

To contribute and promote the aims of the Pirbright Livestock Antibody Hub providing a formal link between Surrey and Pirbright

To contribute to undergraduate and postgraduate teaching programmes and provide academic leadership in undergraduate and postgraduate courses within area of expertise.

#### Main Responsibilities/Activities

To develop the research activities of the Faculty and the University by:

To develop the research activities of the Faculty and the University (in collaboration with others in the discipline where appropriate) by:

Demonstrating leadership in research, including postgraduate research supervision.

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.

Leading innovative research proposals and submitting funding bids, winning support for them and planning the research to be taken, self-contained item or as part of a broader programme. Obtaining and sustaining research funding.

Sustaining an extensive track record of published research findings in high quality journals, or other media and at internationally recognised conferences.

Maintaining an expert reputation in own subject area and providing advice and guidance to staff and students.

Engaging in external academic activities in accordance with the Faculty's research strategy at a national level and international level. Such activities will include membership of committees of academic and professional bodies, external examining, editing journals and contribution to

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professional networks, national and international meetings, societies and bodies (including governmental bodies).

Sustaining and developing professional expertise and maintaining the requirements for registration with the appropriate body (*for academics with clinical links only*).

To develop the teaching activities of the Faculty by:

Leading/developing teaching methods, designing undergraduate and postgraduate programmes, pursuing new teaching approaches.

Teaching, training and supervising students (including research students), tutor industrial/professional training year students and external examining according to own area of subject specialism.

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

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 the initial resolution of all student issues within and outwith standard procedures and ensuring that an appropriate framework is developed and used for pastoral care issues.

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

Performing personal administrative duties throughout the Faculty and the University as are recognised by the University as properly within the remit of role of Reader/Senior Lecturer, such as research group leader and roles associate with teaching programmes, as allocated by the Head and contributing to the general life and work of the University.



## Academic Role Profile

### Person Specification

The post holder must have:

A higher professional qualification, normally a doctoral degree or equivalent

Demonstrated outstanding qualities and achievements in scholarship and research at a national and international level

Significant academic publication record

Evidence of leadership in research, including postgraduate research supervision

Teaching programmes, and/or internationally recognised textbooks.

Evidence of securing a significant amount of sustained research funding

Proven management and leadership qualities at a senior level

Proven administrative ability at a senior level

Evidence of contributions to conferences, professional meetings and societies at an international level and evidence of achievements in other external activities at an international level.

Evidence of high quality teaching at undergraduate and postgraduate level

### Relationships and Contacts

The post holder will take a leading role in the setting of strategic objectives for their research theme. New appointees will be assigned a senior colleague to guide their development and aid their integration into the Faculty and into the University. Teaching and administrative duties will be allocated by the Head of the Department/School/Faculty and will include roles related to both taught programmes and research activities across the Faculty.

### Special Requirements

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To attend national and international conferences for the purpose of disseminating research results. To be able to participate in residential field work, in the UK or overseas, according to own area of subject specialism.

To lead major funding bids, which develop and sustain research support for the specialist area and advance the reputation of the Faculty and University.

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.

## 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: Reader in Vaccinology

### **Background Information/Relationships**

This University post within the School of Biosciences and Medicine is created through philanthropic contribution to the University of Surrey and collaboration with the nearby Pirbright Institute, which has been funded by the Bill & Melinda Gates Foundation to develop a Livestock Antibody Hub supporting animal and human health. Our mission is to improve human and animal health through world-leading discovery and translational research and teaching in biosciences and medicine. Immune function research is undertaken across the School and underpinned by the Section of Immunology, consisting of three lecturers and the Section Lead, Professor of Immunology.

#### **The post holder will be responsible to:**

- The Section Lead, Immunology.

#### **The post holder will be responsible for:**

- Building and leading a complementary programme of interdisciplinary research in vaccine development for the School of Biosciences and Medicine, and for providing academic and strategic innovation in Immunology and more widely across the School of Veterinary Medicine.

The post holder will contribute to leadership in the development and delivery of an innovative research programme in the broader field of immunology and infectious disease. They will be responsible for leading the development of innovative research proposals, identifying sources of funding, submitting funding bids, undertaking high quality research and publishing in appropriate journal, thereby supporting the School research strategy. Where appropriate, they will also contribute to learning and teaching across relevant modules and ensure an excellent student experience within taught sessions. Importantly, they will show leadership in the recruitment of exceptional postgraduate students and to work collaboratively with local, national and international, colleagues and partners, including most notably The Pirbright Institute. It is essential that the post holder embraces the School's collegial and interactive ways of working.

### 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.

|  | Essential/<br>Desirable |
|--|-------------------------|
| A higher research degree (PhD) in immunology or related discipline.  | E                       |
| Evidence of high-quality research publications   | E                       |
| Evidence of research leadership  | E                       |
| Experience of PhD student supervision  | E                       |
| Teaching experience, ideally including successful completion of the Graduate Certificate in Learning & Teaching, or equivalent teaching qualification. | E                       |
| An emerging track record of external research grant income generation demonstrating research independence.   | E                       |

## 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. To ensure that research and educational programme developments are aligned to the School's vision as well as with The Pirbright Institute's Livestock Antibody Hub supporting animal and human health;
2. To build research collaborations locally, nationally and internationally;
3. To develop and lead a team of internationally recognised researchers in innovative research proposals within the realm of immune system function and reducing either infectious disease or cancer impact through prophylactic and therapeutic vaccine design;
4. To secure continuous extramural research funding so as to undertake and publish research of the highest standards in immune function, vaccine design and related disciplines;
5. To develop skills to provide leadership, mentorship and management of academic colleagues to achieve recognition of world leading research activity within the School and the Pirbright Institute;
6. To contribute to and where appropriate to lead programme management meetings and discussions on immune function and infectious disease research;
7. To provide leadership in the national and international recruitment and training of postgraduate students and the development of international collaborations;
8. To extend, transform and apply knowledge gained from research scholarship to education and to innovation in translation and societal impact.