UNIVERSITY OF WARWICK

Job Description

Job Title	Research Fellow
Department	School of Life Sciences
Grade	FA6

Job purpose (a brief summary of the role)	The postholder will undertake research in the Zeeman Institute for Systems Biology and Infectious Disease Epidemiology, supporting the work of the centre. The Research Fellow will work closely with the project investigator, Professor Michael Tildesley, as well as collaborators at Oregon State University. The purpose of this position is to develop models of livestock and drop disease to develop a cross system modelling framework. The Research Fellow will work closely with policy makers at the Animal and Plant Health Agency and the US Department of Agriculture.
Duties and responsibilities	**Research** To establish a sound research base within the Zeeman Institute, the School of Life Sciences and the Mathematics Institute that will lead to individual and collaborative research of high quality consistent with making a full active research contribution. To publish research outcomes in appropriate journals of international standing and to publish and disseminate the result of research and scholarship in other reputable outlets. To attend and present research findings and papers at academic and professional conferences, and to contribute to the external visibility of the University. To translate knowledge of advances in the subject area into research activity. May contribute to preparing proposals and applications to external bodies, e.g. for funding and contractual purposes, to support a developing research agenda. May present information on research progress and outcomes to bodies supervising research, e.g. steering groups. May contribute to the preparation of papers for steering groups and other bodies. Communicate complex information (orally and in writing) and material of a specialist or highly technical nature. Continually update own knowledge and understanding in field or specialism. **Teaching and Learning Support** Could be expected to contribute to the teaching and learning programmes in the department. Assist in the supervision of student projects and the development of student research skills. May be involved in the assessment of student knowledge and supervision of projects. **Administration and Other Activities**

	May be required to attend departmental meetings and to participate (where necessary) in other committees and working groups within the department, the faculty and the University. Ensure compliance with health and safety in all aspects of work. Work within budget constraints. The duties and responsibilities outlined are not intended to be an exhaustive list but provide guidance on the main aspects of the job. The post holder will be required to be flexible in their duties.

Person Specification

The Person Specification focuses on the essential and desirable knowledge, skills, experience and qualifications required to undertake the role effectively. This is measured by (a) Application Form, (b) Test/Exercise, (c) Interview, (d) Presentation.

Essential Criterion No.	Essential Criterion Description	Measured by
E1	Good honours degree and possession of a PhD or equivalent in epidemiology and/or mathematical modelling.	A & C
E2	Strong research potential with the ability to initiate, develop and deliver high quality research and to publish in peer reviewed journals in areas related to the interests of the Zeeman Institute.	A & C
E3	A developing research profile with the ability to publish and/or produce high quality research output.	A,C & D
E4	Breadth or depth of specialist knowledge/expertise in mathematical modelling and epidemiology.	A,C & D
E5	Experience of research methods and techniques to work within established research programmes.	A,C & D
E6	Evidence of research ability/experience and quality research output in infectious disease modelling/epidemiology including any experience gained during PhD studies and post PhD qualification (where appropriate)	A,B,C & D
E7	Effective communication skills (oral and written), including the ability to articulate and present research results to an audience and to ensure you are complying with and communicating on Health & Safety requirements.	A,C & D
E8	Ability to work independently and/or as part of a team on research programmes.	A,C & D
E9	Have an awareness of general Health and Safety requirements and how you would apply safe practices at work for yourself and others.	A,C & D

Desirable Criterion No.	Desirable Criterion Description	*Measured by*
D1	Expertise in project specific skills.	A,C & D
D2	Evidence of ability or potential to contribute to the development of funding proposals in order to generate external funding to support research projects.	A & C
D3	Evidence of publications submitted to relevant journals in epidemiology/mathematical modelling.	A & C
D4	Evidence of work-related external activities such as outreach activities/research panels or similar, or, of running research projects (outside of PhD studies).	A,C & D
D5	Evidence of input into research culture activities, University or other relevant committee memberships, etc.	A & C