

Candidate Information

Position:	Research Fellow in Molecular Parasitology
School/Department:	Institute for Global Food Security
Reference:	19/107203
Closing Date:	Monday 25 March 2019
Salary:	£33,199 per annum
Duration:	Available until 31 December 2019

JOB PURPOSE:

To take a leading role in a Biotechnology & Biological Sciences Research Council (BBSRC) funded research project that aims to investigate the extent of the rumen fluke problem in the UK and to develop new diagnostic tests for this emerging infection. The successful candidate will also assist in the development of research goals and proposals and the planning and delivery of the research activity within a specified area so that the overall research objectives of the project are met.

MAJOR DUTIES:

1. Develop and undertake research under supervision within a specific research project as a member of a research team.
2. Design, develop and refine experiments in order to obtain reliable data.
3. Carry out analyses, critical evaluations, and interpretations using methodologies and other techniques appropriate to area of research.
4. Present regular progress reports on research to members of the research group or to external audiences to disseminate and publicise research findings.
5. Prepare, often in consultation with supervisor, material for publication in national and international journals and presentations at international conferences.
6. Assist grant holder in the preparation of funding proposals and applications to external bodies.
7. Carry out routine administrative tasks associated with the research project/s to ensure that project/s are completed on time and within budget. These might include organisation of project meetings and documentation, financial control, risk assessment of research activities.
8. Carry out occasional undergraduate supervision, demonstrating or lecturing duties within the post holder's area of expertise and under the direct guidance of a member of academic staff.
9. Read academic papers, journals and textbooks to keep abreast of developments in own specialism and related disciplines.

Planning and Organising:

1. Plan for specific aspects of research programmes. Timescales range from 1-6 months in advance and contribute to research group planning.
2. Plan for the use of research resources, laboratories and workshops where appropriate.
3. Plan own day-to-day activity within framework of the agreed research programme.
4. Plan in advance to meet deadlines for journal publications and to prepare presentations and papers for conferences.
5. Coordinate and liaise with other members of the research group over work progress.

Resource Management Responsibilities:

1. Ensure research resources are used in an effective and efficient manner.
2. Provide guidance as required to support staff and any students who may be assisting with research.

Internal and External Relationships:

1. Liaise on a regular basis with colleagues and students.
2. Build internal contacts and participate in internal networks for the exchange of information and to form relationships for future collaboration.

3. Join external networks to share information and ideas.
4. Contribute to the School's outreach programme by establishing links with local community groups, industries etc.

ESSENTIAL CRITERIA:

1. Have, or be about to obtain, a PhD in a Molecular Parasitology or related research area.
2. Three years relevant research experience to include:
 - Experience of diagnostic ELISA development.
 - Protein characterisation techniques (SDS-PAGE, Western blotting).
3. Ability to manage own research project including working to deadlines and being accountable for deliverables.
4. Sufficient breadth and depth of specialist knowledge in the discipline and of research methods and techniques to work within established research programmes.
5. Ability to communicate complex information clearly.
6. Ability to build contacts and participate in internal and external networks.
7. Demonstrable intellectual ability.
8. Ability to assess and organise resources.
9. Good time management skills and ability to interact effectively with a diverse body of colleagues.
10. Must be prepared to travel and undertake work with collaborators based in UK/Europe.

DESIRABLE CRITERIA:

1. Experience of molecular cloning and production of recombinant proteins.
2. Cell culture.
3. Analysis of proteomics and transcriptomics data.
4. A publication record in peer-reviewed journals commensurate with stage of career.
5. Experience in supervising undergraduates and/or graduates in molecular biology and other laboratory techniques.
6. Good verbal and written English skills.
7. Good and enthusiastic team worker.