Candidate Information

Position:	Research Fellow
School/Department:	Institute for Global Food Security
Reference:	18/107047
Closing Date:	Monday 21 January 2019
Salary:	£33,199 - £39,610 per annum (potential to progress to £43,266 per annum through sustained exceptional contribution)
Anticipated Interview Date:	week commencing 4 February 2019
Duration:	48 months

JOB PURPOSE:

This post-doctoral position is part of a 4-year multi-disciplinary European Union Horizon2020 project entitled 'Microbiome Applications for Sustainable food systems through Technologies and EnteRprise'.

MAJOR DUTIES:

1. Undertake research investigating the effects of microalgae on ruminant phenotype, and ensure all milestones and deliverables are met in a timely manner.
2. Wet laboratory work, including working with sheep. A post-doctoral scientist will also be employed in AFBI predominantly to design and ensure effective running of the animal experiments, therefore the emphasis of this position is more laboratory and computational based.
3. Computational analysis of 'omic data sets (i.e R programming, python etc.), to include genomic, transcriptomic, metagenomics and metranscriptomic analyses.
4. Communicate orally and through e-mail effectively to line manager and those involved in the project.
5. Aid effective team working within the group led by the Principal investigator.
6. Supervision of students alongside the Principal Investigator.
7. Present regular progress reports on research to members of the research group or to external audiences to disseminate and publicise research findings.
8. Prepare, in consultation with supervisor, material for publication in national and international journals and presentations at international conferences.
9. 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.
10. 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.
11. 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 1-12 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 up to a year 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 about to obtain a PhD in a relevant area (e.g Animal Science, Microbiology, Bioinformatics).
2. A minimum of 3 years' recent relevant experience in at least one of the following areas:
   - animal science
   - microbiology
   - computational biology including experience of dealing with 'omic data.
3. Experience of peer-reviewed publication in a relevant area of research.
4. Experience of supervising undergraduates and/or postgraduate students
5. Experience of presenting to the scientific community i.e. conference talks.
6. Sufficient breadth and depth of specialist knowledge in the discipline and of research methods and techniques to work within established research programmes.
7. Ability to communicate complex information clearly.
8. Demonstrable intellectual ability.
9. Ability to assess and organise resources.
10. Flexibility regarding working hours

DESIRABLE CRITERIA:

1. Experience of working with ruminants
   A minimum of 3 years' recent relevant experience in two or more of the following areas:
   - animal science
   - microbiology
   - computational biology including experience of dealing with 'omic data.