Candidate Information

Position:	Research Fellow in Nutrition & Mass Spectrometry
School/Department:	Institute for Global Food Security
Reference:	20/108201
Closing Date:	Monday 20 April 2020
Salary:	£33,797 per annum.
Anticipated Interview Date:	Monday 11 May 2020
Duration:	This post is available until 30 September 2021

JOB PURPOSE:

To be an active member of the Institute for Global Food Security assisting in the development of research proposals and the planning and delivery of research activity within the Food, Nutrition and Health 'Grand Challenge'.

MAJOR DUTIES:

1. Undertake project-specific research activities such as development of study protocols, performing mass spectrometry method development, routine sample analysis and liaising with research partners and contract research organisations.
2. Develop and plan an area of personal research and expertise, and/or undertake research under supervision within a specific research project or as a member of a research team.
3. Design, develop and refine experimental methodologies in order to obtain reliable data.
4. Carry out analyses, critical evaluations, and interpretations using methodologies and other techniques appropriate to area of research.
5. Present regular progress reports on research to members of the research group or to external audiences to disseminate and publicise research findings.
6. Prepare, consultation with supervisors, material for publication in national and international journals and presentations at international conferences.
7. Assist grant holder in the preparation of funding proposals and applications to external bodies.
8. 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.
9. 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.
10. 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 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. BSc in Nutrition or relevant life sciences subject.
2. Have or about to obtain a PhD in a relevant area.
3. At least 3 years recent relevant research experience in developing mass spectrometry methods and in conducting sample analysis.
4. Practical experience in processing, recording and handling data sets, and performing statistical analysis.
5. Experience of working with industry and contract research partners.
6. Experience of using data analysis packages such as SPSS.
7. Ability to contribute to broader management and administrative processes.
8. Contribute to the School's outreach programme by links with industry, community groups etc.
9. Methodical approach to project management and meticulous in regards to experimental procedures and record keeping.
10. Sufficient breadth and depth of specialist knowledge in the discipline and of research methods and techniques to work within established research programmes.
11. Competent in giving effective and informative oral and poster presentations.
12. Ability to communicate complex information clearly.|
13. Ability to build contacts and participate in internal and external networks.
14. Strong ability to work from own initiative and to work independently within the context of a research team.
15. Commitment to high quality research.
16. Demonstrable intellectual ability.
17. Ability to assess and organise resources.
18. Irregular hours including evening, weekend and other out-of-hours work may be a component of the research at times.
19. Must be willing to travel to national and international meetings and collaborative laboratories as required on an ad-hoc basis.

DESIRABLE CRITERIA:

1. Experience of handling, processing and analysing human samples/specimens.
2. Experience of conducting metabolomics analysis.
3. Specialist knowledge in conducting dietary or feeding trials.
4. Evidence of having presented at conferences (poster and/or oral presentations).