



Candidate Information

Position:	Research Fellow
School/Department:	Centre for Cancer Research and Cell Biology
Reference:	18/106918
Closing Date:	Wednesday 28 November 2018
Salary:	£33,199 - £39,610 per annum (potential to progress to £43,266 per annum through sustained exceptional contribution)
Anticipated Interview Date:	Week commencing 17 December 2018
Duration:	1 January 2019 to 31 Dec 2019

JOB PURPOSE:

Available from the 1st January 2019 to 31st Dec 2019 in the area of biomarker development. The successful applicant will work on a MRC CIC application for the development of biomarkers for inhibitors of GRP78, the master regulator of the unfolded protein response, for poor prognostic colorectal cancer subgroups.

MAJOR DUTIES:

1. To design, develop and execute experiments related to the project under the supervision of Dr Sandra Van Schaeuybroeck, in order to obtain reliable data, then evaluate and interpret the results using methodologies and techniques appropriate to the area of the research
2. Carry out analyses, critical evaluations, and interpretations using methodologies and other techniques appropriate to area of research.
3. To regularly present results to the research group as part of routine peer review.
4. Initiate and maintain collaborative links with various project partners.
5. To write up results in a timely manner and take a leadership role in writing research manuscripts.
6. To present regular progress reports on research to members of the research group and to external audiences to disseminate and publicise research findings.
7. To formulate, write and submit grants for fellowship awards, project and travel support.
8. To attend and present new experimental data at national and international meetings.
9. Assist grant holder in the preparation of funding proposals and applications to external bodies.
10. May be required to carry out undergraduate supervision within the post holder's area of expertise and under the guidance of a member of academic staff.
11. Assists with the supervision of postgraduate students or summer students on mini-projects, which will help develop their own supervisory skills.
12. 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.
13. Read academic papers, journals and textbooks to keep abreast of developments in own specialism and related disciplines
14. Any other reasonable duties within the general ambit of the post.

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.
3. Take shared responsibility for the upkeep of lab equipment and replenishment of lab stocks and exercise due diligence when using equipment.
4. Support the development and training of support staff and students.

Internal and External Relationships:

1. Communicate openly with lab colleagues the latest research findings/results. Develop contacts with other labs within the research community at Queen's and look to identify potential cross-discipline collaborations.
2. Liaise on a regular basis with colleagues and students.
3. Build internal contacts and participate in internal networks for the exchange of information and to form relationships for future collaboration.
4. Join external networks to share information and ideas.
5. Contribute to the School's outreach programme by establishing links with local community groups, industries etc.
6. Join national and international scientifically relevant societies.

ESSENTIAL CRITERIA:

1. 2nd class honours undergraduate degree
2. Hold or about to hold a PhD in molecular biology or a related discipline
3. At least three years relevant research experience.
4. Experienced in a range of molecular and cellular biology techniques, such as Western blot, RNAi, immunoprecipitation, flow cytometry and apoptosis detection techniques
5. Ability to contribute to broader management and administrative processes.
6. Contribute to the School's outreach programme by links with industry, patient advocacy groups etc
7. Sufficient breadth and depth of specialist knowledge in the discipline and of research methods and techniques to work within established research programmes.
8. Ability to communicate complex information clearly.
9. Ability to build contacts and participate in internal and external networks.
10. Demonstrable intellectual ability.
11. Ability to assess and organise resources.
12. Team worker, highly motivated, supportive of junior colleagues within the group

DESIRABLE CRITERIA:

1. 1st Class undergraduate degree in biochemistry, chemistry or related disciplines.
2. Experience working with immunohistochemistry
3. Experience working with bioinformatics analysis of gene expression profiles
4. Evidence of involvement in successful programmes and grant applications
5. Presentations at national/international meetings