

Candidate Information

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| Position: | Research Fellow |
| School/Department: | School of Pharmacy |
| Reference: | 19/107238 |
| Closing Date: | Wednesday 27 March 2019 |
| Salary: | £33,199 per annum |
| Duration: | 1 Year |

JOB PURPOSE:

To be an active member of the HGSC research project/team assisting in the development of research proposals and the planning and delivery of the research activity within a specified area so that the overall research objectives of the project/school are met.

Additionally, the successful applicant will be expected to contribute to the day to day running within this molecular biology lab, including supervision and training of undergraduate and postgraduate students.

This work will involve investigating a novel biomarker for the early detection of ovarian cancer. This is an INI Proof Of Concept Grant and therefore the ultimate aim is to obtain robust results that can be used in the development of a commercial product. The Research Fellow will be required to perform a range of cutting-edge methodologies used in study of DNA based methylation biomarkers.

MAJOR DUTIES:

1. Design, develop and execute studies related to the research project 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 attend and present new experimental data at national and international meetings.
8. Assist grant holder in the preparation of funding proposals and applications to external bodies
9. 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.
10. Assist with the supervision of postgraduate students or summer students on mini-projects, which will help develop their own supervisory skills.
11. 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.
12. Read academic papers, journals and textbooks to keep abreast of developments in own specialism and related disciplines
13. Any other duties within the remit of the post as required.

Planning and Organising:

1. Plan for specific aspects of research programmes.
2. Plan own day-to-day activity within framework of the agreed research programme.
3. Plan for the use of research resources, laboratories and workshops where appropriate.
4. Plan up to a year in advance to meet deadlines for journal publications and to prepare presentations and papers for conferences.

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6. 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. Liaise on a regular basis with colleagues and students communicating openly with lab colleagues the latest research findings/results.
2. Build internal contacts and participate in internal networks for the exchange of information and to form relationships for future collaboration. Develop contacts with other labs within the research community at Queen's and look to identify potential cross-discipline collaborations.
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
5. Join national and international scientifically relevant societies.

ESSENTIAL CRITERIA:

1. Hold (or about to obtain) a PhD in life sciences (Molecular Biology, Biochemistry or related subject)
2. Experience in key molecular biology techniques including real time PCR, RNA interference, immunoblotting and mammalian cell culture
3. At least three years recent relevant research experience.
4. Ability to contribute to broader management and administrative processes.
5. Sufficient breadth and depth of specialist knowledge in the discipline and of research methods and techniques to work within established research programmes.
6. Must have published paper(s) in quality journals to a level commensurate with their research experience.
7. Evidence of communication skills and ability to communicate complex information clearly.
8. Ability to build contacts and participate in internal and external networks and research presentations.
9. Team worker, highly motivated, supportive of colleagues within the group
10. Ability to assess and organise resources.

DESIRABLE CRITERIA:

1. Scientific memberships eg. AACR, EACR, IACR, BACR.
2. Experience in pyrosequencing and other methylation assays
3. Experience working with FFPE tissue
4. Previous track record of high quality research in cancer biology
5. In vivo experience (Personal License)
6. Evidence of scientific writing skills
7. Evidence of participation in training/mentoring of students or junior staff
8. Presentations at national/international meetings