



## Candidate Information

<b>Position:</b>	Research Fellow
<b>School/Department:</b>	Patrick G Johnston Centre for Cancer Research
<b>Reference:</b>	23/111183
<b>Closing Date:</b>	Monday 11 September 2023
<b>Salary:</b>	£37,099 per annum
<b>Anticipated Interview Date:</b>	Friday 22 September 2023
<b>Duration:</b>	Fixed term until 31 December 2023

### JOB PURPOSE:

The work will involve the investigation of the aggressive biology associated with Triple Negative Breast Cancer (TNBC). This is a Breast Cancer Ireland funded position. The post holder will be required to perform a range of cutting-edge methodologies, through both in vitro and in vivo modelling of TNBC. The post holder will be an active member of a research project/team assisting in 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 of the molecular biology labs.

### MAJOR DUTIES:

1. To design, develop and execute experiments related to the above described project under the supervision of Professor Paul Mullan.
2. Carry out analyses, critical evaluations, and interpretations using methodologies and other techniques appropriate to area of research.
3. Present regular progress reports on research to members of the research group or to external audiences to disseminate and publicise research findings.
4. Prepare, in consultation with supervisor, material for publication in national and international journals and presentations at international conferences.
5. The appointed individual will be encouraged to formulate, write and submit grants for fellowship awards, project and travel support.
6. To assist with the supervision of postgraduate students, honours or summer students on mini-projects, which will help develop their own supervisory skills.
7. Carry out routine administrative tasks associated with the research project/s to ensure that project/s are completed on time and within budget.
8. Read academic papers, journals and textbooks to keep abreast of developments in own specialism and related disciplines and to maintain awareness of the context of the research project.
9. Any other reasonable duties within the general ambit of the post and competence of post holder.

### ESSENTIAL CRITERIA:

1. Have or be about to obtain a PhD life sciences (biochemistry, molecular biology or related subject).
2. Specific, relevant research experience.
3. Experience in mammalian cell culture.
4. Experience in molecular biology and protein analysis techniques, including: PCR/cloning, RNA interference, immunoblotting, QPCR, cell cycle analysis, in vitro cell line drugging.
5. Must have published paper(s) in quality journals to a level commensurate with their research experience.
6. Ability to contribute to broader management and administrative processes.
7. Contribute to the School's outreach programme by links with industry, community groups etc.

8. Possess sufficient breadth and depth of specialist knowledge in the discipline and of research methods and techniques, where appropriate, to work within established research programmes.
9. High level of analytical capability.
10. Ability to communicate complex information clearly.
11. Ability to assess and organise resources.
12. Ability to contribute to broader management and administrative processes.
13. Ability to communicate complex information clearly in both oral and written formats.
14. Ability to build contacts and participate in internal and external networks.
15. High level of analytical capability.
16. Ability to assess and organise resources.

**DESIRABLE CRITERIA:**

1. 1st Class undergraduate degree in life sciences.
2. Masters degree in life sciences.
3. Commitment to professional development, as evidenced by Scientific memberships eg. AACR.
4. Experience of immunoprecipitation experiments including Chromatin IP.
5. Experience in bioinformatics and in the analyses of high throughput datasets.
6. Experience of phenotypic assays (viability, invasion, esiRNA/siRNA/CRISPR screens).
7. In vivo modelling experience of cancer.
8. Previous track record of high-quality research in the field of cancer biology.
9. Evidence of scientific writing skills.
10. Evidence of participation in training/mentoring of students or junior staff.