

Candidate Information

Position: Research Fellow
School/Department: School of Medicine, Dentistry and Biomedical Sciences
Reference: 23/111420
Closing Date: Monday 11 December 2023
Salary: £37,841 per annum
Anticipated Interview Date: Wednesday 10 January 2023
Duration: Available until 31 December 2025

JOB PURPOSE:

The post holder will be based in the Patrick G Johnston Centre for Cancer Research and work on a project focused on identifying potential resistance mechanisms to agents in clinical trial for the treatment of paediatric AML using CRISPR/Cas9 technology. This project is funded by Leukaemia and Lymphoma NI for 24 months.

MAJOR DUTIES:

1. Design, develop and perform studies related to the project and interpret the results using the appropriate methodologies and techniques.
2. Attend training, where/when appropriate, to maintain and expand expertise in the field.
3. Liaise closely with other members of the group and establish and maintain collaborative links with project partners.
4. Present regular progress reports on research to members of the research group or to external audiences to disseminate and publicise research findings.
5. Carry out administrative tasks to ensure projects are completed on time and within budget.
6. Read academic papers, journals and other relevant material, in order to keep up to date with developments in the area and related disciplines.
7. Contribute to grant proposal applications to internal and external funding bodies, as well as project and travel support.
8. Supervise/train staff and supervise and manage students and projects e.g. PhD, MSc, undergraduate/summer students as required.
9. Attend and present new experimental data at national and international conferences.
10. Write up results in a timely manner and contribute to the publication of manuscripts, both as first and contributing author.
11. Assist with maintaining equipment and supplies.
12. Any other reasonable duties within the general remit of the post.

ESSENTIAL CRITERIA:

1. Have or be about to obtain a relevant PhD (within 3 months of completion) in cancer biology, molecular biology or related discipline.
2. At least 3 years' relevant research experience working in the field of cancer biology.
3. Experience working with in vitro cancer models.
4. Experience with CRISPR/Cas9 technology and screening.
5. Experience with a range of molecular techniques, such as PCR, qPCR, IHC/ IF, WB, RNA-seq, NGS, CRISPR, IP (experience with at least 4 of these techniques is required).
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. Ability interacting with community groups and funders.
9. Sufficient breadth and depth of specialist knowledge in the discipline and of research methods and techniques to work within established research programmes.
10. Problem solving skills.
11. Ability to communicate complex information clearly.

12. Ability to build contacts and participate in internal and external networks.
13. Ability to assess and organise resources, responding to new pressures and adjusting priorities.
14. Team worker, highly motivated and supportive of other members in the team.
15. Demonstrable intellectual ability.
16. Interest in driving focused research programme.
17. Must be willing to work irregular hours when necessary for the progress of the research project.

DESIRABLE CRITERIA:

1. Experience with high-throughput drug screening.
2. Presentation at national/international meetings.