



Candidate Information

Position:	Research Fellow
School/Department:	Patrick G Johnston Centre for Cancer Research
Reference:	22/109619
Closing Date:	Thursday 24 March 2022
Salary:	£34,304 - £37,467 per annum
Anticipated Interview Date:	Wednesday 6 April 2022
Duration:	Available until 30/06/2023

JOB PURPOSE:

A postdoctoral position is available within a cancer drug discovery programme led by Prof Daniel Longley. Specifically, this project will focus on identifying the most sensitive tumour models and optimal combination partners for novel apoptosis-inducing agents targeting the critical cell death regulator FLIP.

MAJOR DUTIES:

1. To design, develop and execute studies related to the project under the supervision of Prof. Longley in order to obtain reliable data, then evaluate and interpret the results using methodologies and techniques appropriate to the area of the research.
2. Generate and maintain in vitro and in vivo cancer models.
3. To regularly present results to the research group as part of routine peer review.
4. To write up results in a timely manner and take a leadership role in writing research manuscripts.
5. To present regular progress reports on research to members of the research group and to external audiences to disseminate and publicise research findings.
6. To formulate, write and submit grants for fellowship awards, project and travel support.
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. 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 reasonable duties within the general ambit of the post.

ESSENTIAL CRITERIA:

1. Hold or about to obtain a PhD in cancer biology, biomedical sciences, or a related life science discipline.
2. At least three years relevant research experience with publication record commensurate with experience.
3. Practical experience in a range of cellular and molecular biology techniques (such as tissue culture, Western blotting, flow cytometry, PCR).
4. 3 years recent relevant experience in in vivo models, with demonstrated competence in regulated procedures such as ip, iv and oral gavage delivery.
5. Active UK Home Office/ NI Department of Health Personal Licence.
6. Experienced in tissue processing/pathology, IHC/IF, and image analysis.
7. Ability to contribute to broader management and administrative processes.
8. Contribute to the School's outreach programme by links with industry, patient advocacy groups etc.

9. Sufficient breadth and depth of specialist knowledge in the discipline and of research methods and techniques to work within established research programmes.
10. Ability to communicate complex information clearly.
11. Ability to build contacts and participate in internal and external networks.
12. Demonstrable intellectual ability.
13. Ability to assess and organise resources
14. Team worker, highly motivated, supportive of junior colleagues within the group.
15. Interest in driving focussed research programme.
16. Must be willing to work irregular hours when necessary for the progress of the research project.
17. Must be willing to work with in vivo models of cancer following the guidelines of the Animals (Scientific Procedures) Act 1986.
18. Must be prepared to travel for technical training as appropriate to collaborators within the UK.

DESIRABLE CRITERIA:

1. 1st or Upper Second-Class Honours degree or equivalent in cell/molecular biology, or a related discipline.
2. Evidence of GEMM colony management proficiency to include breeding strategies and genotyping methods.
3. Experience in xenograft and/or syngeneic/allograft models of cancer.
4. Experience in primary cell/organoid isolation and culture.
5. Experienced in flow cytometry and data analysis.
6. Evidence of involvement in successful programmes and grant applications.
7. Presentations at national/international meetings.