



## Candidate Information

<b>Position:</b>	Research Technician
<b>School/Department:</b>	School of Medicine, Dentistry and Biomedical Sciences
<b>Reference:</b>	22/109713
<b>Closing Date:</b>	Monday 25 April 2022
<b>Salary:</b>	£24,871 per annum
<b>Anticipated Interview Date:</b>	5 May 2022
<b>Duration:</b>	Available until 31 December 2023

### JOB PURPOSE:

To work as an active member of a cancer drug discovery programme led by Prof. Daniel Longley. The grade 5 technician will join and support a team focussed on the clinical positioning of novel-apoptosis inducing agents targeting the critical cell death regulator FLIP providing laboratory support for the programme. The successful candidate will assist in the design, implementation and delivery of in vitro and in vivo experiments to support the programme.

### MAJOR DUTIES:

1. Assist in the design, implementation, and delivery of experiments in in vitro and in vivo cancer models.
2. Conduct numerous and varied cellular assays to demonstrate on-target activity and mechanism of action of FLIP inhibitors and determine sensitive models of disease for the clinical positioning of the therapeutic agents.
3. Perform histological investigations from samples from in vivo experiments e.g. Processing, embedding and sectioning of histological samples from experimental samples generated in vivo (FFPE and/or Frozen).
4. Assist in the generation of primary immortalised and genetically modified cell/organoid models for use within the research group.
5. The successful candidate will be expected to also provide organisational support to the programme, in terms of monitoring and cataloguing stock levels and maintaining cell line stocks.
6. Write up results of own work and present regular progress reports on research to members of the research group.
7. Comply with Health and Safety procedures affecting self and others and ensure the work area is clean and safe at all times.
8. Assist in the general running of the wider general laboratory as necessary.
9. Assist with the generation and maintenance of records of SOP/COSHH documentation for laboratory procedures.
10. Oversee and instruct under-graduate and post-graduate research students and research staff in laboratory techniques as deemed necessary and appropriate.
11. Carry out any other duties designated by a line manager, and which fall within the general remit of the post to contribute to the overall success of the research objectives of the group.

### ESSENTIAL CRITERIA:

1. \*A minimum qualification of ONC/OND and/or NVQ level 3 in biology, medical laboratory sciences or related subject (or equivalent).
2. \*3 years recent relevant experience in cancer biology.
3. \*Practical experience in a range of cellular and molecular biology techniques (such as tissue culture, Western blotting, flow cytometry, PCR).
4. Sufficient breadth or depth of specialist knowledge in the discipline and of research methods and techniques to work within the cancer drug discovery area.
5. Ability to teach laboratory techniques to new staff members and students.
6. Excellent record keeping skills to facilitate internal auditing and external reporting.
7. Ability to contribute to method improvement where required.
8. Ability to interact with research colleagues and support staff.
9. Demonstrate excellent communication skills and enthusiasm to develop and maintain productive relationships with lab members and collaborators.

10. Ability to work independently and as part of a team.
11. Ability to plan and schedule responding to new pressures and adjusting project priorities.
12. Must be willing to work irregular hours when necessary for the progress of the research project.

**DESIRABLE CRITERIA:**

1. \*BSc degree or higher.
2. \*Active UK home office/department of health personal license.
3. \*Drug/siRNA/small molecule screening experience.
4. \*Experience in Histology/tissue processing techniques and immunohistochemical staining
5. \*Experience with 3D cell/organoid culture in vitro
6. \*Experience with murine tumour models particularly e.g. GEMM or xenograft models.
7. Knowledge of relevant Health and Safety issues and of COSHH regulations.
8. Willingness and enthusiasm to develop and maintain productive relationships with lab members and collaborators