



## Candidate Information

<b>Position:</b>	Technician
<b>School/Department:</b>	School of Medicine, Dentistry and Biomedical Sciences
<b>Reference:</b>	22/109750
<b>Closing Date:</b>	Monday 16 May 2022
<b>Salary:</b>	£24,871 per annum
<b>Duration:</b>	Fixed term for 2 years

### JOB PURPOSE:

To work as an active member of a lung cancer research team focussed on understanding the function of tumour associated immune cells. Successful candidate will assist in the implementation and delivery of MRC funded research project with a particular focus on immune cell profiling in in vivo models.

### MAJOR DUTIES:

1. Colony maintenance and genotyping. Maintain very accurate records of the laboratory's in vivo work undertaken in line with Dept of Health (DoH) legal requirements and assist in the annual returns.
2. Assist with immunological assays and deep immune cell profiling from in vivo experiments, using technologies such as (but not limited to) multi-parameter flow cytometry.
3. Process, embed and section histological samples from experimental tissue generated from in vivo experiments. Conduct immunohistochemical staining and imaging.
4. Conduct critical evaluation and interpretation, computer-based data analysis / evaluation or library research in consultation with the line manager.
5. Write up results of own work and contribute to the production of research lab meeting, manuscripts and future grant proposals.
6. Provide technical advice and guidance to students in the use and construction of specialist equipment and apparatus. Carry out demonstrating/teaching duties as deemed necessary and appropriate.
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 any way deemed appropriate to the overall success of the research objectives of the group and the Centre.
9. Carry out any other duties designated by a line manager and which fall within the general remit of the post.
10. Responsible for maintaining stock levels, to ensure there is adequate stock at all times.

### ESSENTIAL CRITERIA:

1. \*Academic and/or vocational qualifications ie ONC/OND and/or NVQ level 3 in biology, medical laboratory science or related subject (or equivalent).
2. \*3 years relevant experience in cancer biology including cell culture and co-culture assays, immunological assays and immunohistochemical staining and imaging.
3. Sufficient breadth or depth of specialist knowledge in the discipline and of research methods and techniques to work within the area of tumour immunology.
4. Knowledge of relevant health and safety issues and of COSHH regulations.
5. Ability to interact with research colleagues and support staff.
6. Good communication and interpersonal skills.
7. Ability to analyse and communicate effectively.
8. Ability to develop and demonstrate standard equipment and techniques.
9. Demonstrable intellectual ability.
10. Work as part of a team and as an individual.
11. Ability to plan and schedule responding to new pressures and adjusting project priorities.

12. Excellent record keeping skills to facilitate internal auditing and external reporting.
13. Must be willing to work irregular hours when necessary for the progress of the research project.

**DESIRABLE CRITERIA:**

1. \*Degree or equivalent in subject relevant to research activity, i.e. immunology.
2. \*Active UK home office/department of health personal license.
3. \*Experience with murine tumour models.
4. \*Experience in multi-parameter flow cytometry.
5. Ability to teach laboratory techniques to new staff members and students.