



Candidate Information

Position:	Research Technician, PGJCCR
School/Department:	Patrick G Johnston Centre for Cancer Research
Reference:	22/110515
Closing Date:	Monday 30 January 2023
Salary:	£25,642 per annum.
Anticipated Interview Date:	Thursday 9 February 2023
Duration:	Fixed term, available until 31 December 2025

JOB PURPOSE:

The post holder will be based in the Patrick G Johnston Centre for Cancer Research and support a Cancer Research UK programme exploring the relationship between DNA damage and immune response activation in breast cancer.

The post holder will be mainly involved in the day to day organisation and co-ordination of the laboratory as well as assessment of immunotherapy combination studies in syngeneic in-vivo tumour models.

MAJOR DUTIES:

1. Perform studies related to the project and interpret the results using the appropriate methodologies and techniques.
2. Maintain accurate records of results in a manner that will enable them to be accessed and interpreted.
3. Attend training, where/when appropriate, to maintain and expand expertise in the field.
4. Liaise closely with other members of the group and establish and maintain collaborative links with project partners.
5. Liaise with group members with regards to the use and booking of equipment.
6. Comply with health and safety procedures and ensure the work area is clean and safe at all times.
7. Carry out administrative tasks to ensure projects are completed on time and within budget.
8. Read academic papers, journals and other relevant material, in order to keep up to date with developments in the area and related disciplines.
9. Support the day to day activities and technical training of staff and students within the laboratory.
10. Maintain equipment, supplies and stock levels within the core laboratory.
11. Provide technical advice and guidance to students in the use of specialist equipment and apparatus.
12. Provide detailed information and guidance to technical staff in laboratory/workshop procedures/research experiments as appropriate.
13. Contribute to the development, construction and modification of components/apparatus using full range of techniques for teaching/research/project work purposes.
14. Set up specialised equipment and apparatus for use by academics and students in practical experiments.
15. Prepare and carry out procedures and experiments and collate, record and tabulate data for interpretation, e.g. the preparation of special materials, compounds and solutions, producing test specimens based on research requirements.
16. Carry out any other duties which are appropriate to the post as may be reasonably requested by Supervisor.

ESSENTIAL CRITERIA:

1. ONC/OND or NVQ Level 3 in biology, medical laboratory sciences or related subject (or equivalent).
2. Three years relevant laboratory experience.
3. Experience working with in vitro human cell culture models.
4. Basic experience with a range of molecular techniques, such as PCR, qPCR, IHC/ IF, WB, IP etc.
5. Experience working with in-vivo cancer and/or immunology models.
6. Good IT knowledge.
7. Knowledge of relevant Health and Safety issues and of COSHH regulations.

8. Working knowledge of relevant systems, equipment and processes related to cancer cell biology/molecular biology and in-vivo cancer models.
9. Good communication and interpersonal skills.
10. Proven ability to work with a range of equipment.
11. Ability to develop and demonstrate standard techniques.
12. Ability to prioritise own work within a general plan to meet targets.
13. Analytical and problem-solving skills.
14. Ability to provide guidance and advice to junior colleagues/students.
15. Ability to work within established protocols but with minimal supervision.
16. Must be willing to work with in vivo models of cancer following the guidelines of the Animals (Scientific Procedures) Act 1986.

DESIRABLE CRITERIA:

1. BSc in biology, biomedical science, medical laboratory sciences or related subject.
2. UK Home Office Personal License (modules PIL A, B & C).
3. Experience working with multidisciplinary teams.
4. Experience in the coordination and organisation of a molecular biology based laboratory
5. Experience generating stable cell line models.
6. Experience working with syngeneic tumour graft models.