

Candidate Information

Position: Technician
School/Department: School of Medicine, Dentistry and Biomedical Sciences
Reference: 24/111698
Closing Date: Monday 25 March 2024
Salary: £28,539 per annum
Anticipated Interview Date: Tuesday 9 April 2024
Duration: Available until 28/02/2026

JOB PURPOSE:

To undertake specialist technical and analytical duties for the diagnostics and clinical research activities of the Precision Medicine Centre of Excellence (PMC).

Carrying out experimental and analytical molecular diagnostics and genomics investigations.

To provide support and perform core laboratory activities for the validation and standardisation of novel procedures, techniques, and tests. To assist in training of new staff members and visitors.

MAJOR DUTIES:

1. Responsible for processing clinical samples and perform core and technical, analytical and diagnostic services, including but not limited to DNA/RNA extraction, sample preparation for NGS, running automated protocols for NGS, tissue preparation ahead of testing and in situ hybridisation technologies.
2. Perform genomic analytical procedures and appropriate genomic QC analyses for tests performed in line with Standard Operating Procedures and local policies.
3. Responsible for maintaining accurate records of results as required by UKAS and other regulatory bodies and in a manner that will enable them to be accessed and interpreted as required.
4. Responsible for own work under the direction of Genomics Senior Technicians and/or Leads. This may include all aspects of the clinical, scientific & technical work, staff, equipment and quality system.
5. Monitoring quality control of all the investigations performed and carry out analyses on a range of tests performed, liaising with senior staff to provide remedial action.
6. Assist in the optimisation of new techniques or use of new reagents and troubleshoot as required
7. Undertake core laboratory tasks such as preparation of solutions, storage of reagents and chemicals and appropriate waste disposal duties.
8. Ensure knowledge of all instrumentation and responsible for maintenance of the equipment.
9. Ensure that work is carried out in line with Standing Operational Procedures and local policies
10. Document competency for all tasks undertaken, in line with laboratory policy.
11. Comply with Health and Safety procedures affecting self and others.
12. Work within a clinical team to ensure delivery of high-quality and accurate outputs.
13. Participate in continuous professional development through appropriate training and annual appraisal.
14. Carry out any other duties which are appropriate to the post as may be reasonably requested by Supervisor.

ESSENTIAL CRITERIA:

1. *An academic and/or vocational qualification at OND/ONC or NVQ level 3 and above in a relevant subject (or equivalent) for example a relevant qualification in Applied Science or relevant health science subject (Biomedical Science, Immunology, Molecular Biology, Genetics, Biochemistry).
2. *3 years relevant work experience within a Health Science laboratory that includes Genomics/Molecular Pathology
3. *Experience of genomics or molecular biology techniques

4. *Experience with clinical specimen processing
5. Knowledge and understanding of UKAS ISO15189 standards.
6. Able to understand and follow SOPs.
7. Technical knowledge in own specific or technical specialism.
8. Working knowledge of relevant systems, equipment and processes.
9. Good communication and interpersonal skills.
10. Ability to develop and demonstrate standard equipment and techniques.
11. Ability to work within established procedures but with minimal supervision.
12. Ability to plan own work schedule responding to new pressures and adjusting priorities.
13. Problem solving skills.
14. Ability to provide standard guidance and advice to colleagues/students
15. To participate in appropriate rotas as required, outside normal working hours

DESIRABLE CRITERIA:

1. *BSc Degree in a relevant area.
2. *Evidence of training related to specific technical or scientific area relevant to the post.
3. *Experience in 1 or more of the following:
 - Cellular or molecular pathology department or other relevant experience. Working with cancer samples.
 - Working with hybridization technologies
 - Experience with manual and/or automated genomics NGS protocols.
 (The University reserves its right to enhance this criteria)
4. Awareness of clinical significance of laboratory findings and implications for patients.
5. Demonstrate good communication skills and enthusiasm to maintain productive professional relationships with colleagues and collaborators