Candidate Information

Position:	Research Technician (Image Analyst)
School/Department:	Centre for Cancer Research and Cell Biology
Reference:	19/107371
Closing Date:	Wednesday 8 May 2019
Salary:	The Grade 5 salary scale is £24,028 to £27,831 per annum (potential to progress to £29,514 per annum through sustained exceptional contribution).
Anticipated Interview Date:	Friday 31 May 2019
Duration:	Available until 31 December 2021.

JOB PURPOSE:

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

Support experimental and analytical tissue based hybridisation investigations and Digital Pathology evaluations.

To provide support and perform core laboratory activities for the validation and standardisation of novel procedures, techniques and tests.

MAJOR DUTIES:

1. Responsible for analytical techniques, including but not limited to immunohistochemistry and in situ hybridisation assessed by digital pathology.
2. Learn other technologies related to the ones stated above for analysis or confirmation of analyses.
3. Responsible for own work under the direction of senior Tissue Hybridization & Digital Pathology Leads. This may include all aspects of the clinical, scientific & technical work, staff, equipment and quality system.
4. Responsible for maintaining accurate records of results in a manner that will enable them to be accessed and interpreted.
5. Run image analysis software in controlled experiments across tissue microarrays and tissue samples for the evaluation of biomarkers.
6. Input data and update laboratory databases, as required.
7. Carry out appropriate digital image analyses, as required.
8. To assist image analysts in their duties.
9. Comply with health and safety procedures affecting self and others and ensure the work area is clean and safe at all times.
10. Be cognisant of monitoring quality control of all the investigations performed and carry out analyses on a range of tests performed, taking remedial action when required and as directed by senior staff.
11. Carry out all of the above according to the existing procedures and Standard Operating Procedures of the PMCoE.
12. Provide a quality and efficient service and maintain an up-to-date understanding of the use of human tissue and digital pathology according to the Human Tissue Act 2004 and accreditation standards such as, CLIA, ISO18159(2012) and understand the ethical issues relating to digital pathology.
13. Document competency for all tasks undertaken, in line with laboratory policy.
14. Handle a range of data from tissue imaging projects and be responsible for supporting research staff in the management and handling of large data sets.
15. Carry out any other duties which are appropriate to the post as may be reasonably requested by the supervisory team.
16. Participate in continuous professional development through annual appraisal.

Planning and Organising:

1. Ensure all supplies and equipment are available so that work can proceed as scheduled.
2. Assist in the optimisation of new techniques or use of new reagents and troubleshoot as required.

Resource Management Responsibilities:

1. Responsibility for the general maintenance and efficient performance of equipment in the laboratory.
2. Have responsibility for cataloguing, monitoring and ensuring adequate levels of stocks.
3. To supervise and assist staff in their training.

Internal and External Relationships:

1. Daily contact with supervisory team, work colleagues and other members of staff.
2. Some contact with laboratory sales representatives and maintenance engineers.
3. Work closely with the Tissue Hybridization & Digital Pathology Leads and researchers within the PMCoE to support the delivery of high quality research.

ESSENTIAL CRITERIA:

1. ONC/OND or NVQ Level 3 in biology, medical laboratory sciences or related subject (or equivalent).
2. 3 years relevant laboratory experience.
3. Recent relevant experience in molecular biology techniques.
4. Experience with IHC and FISH or other hybridisation technologies and/or tissue-based work.
5. Knowledge of biomedical science subjects acquired through a diploma equivalent level qualification or on the job training.
6. Technical knowledge of cell/molecular biology.
7. Knowledge of relevant Health and Safety issues and of COSHH regulations.
8. Able to understand and follow SOPs.
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 junior colleagues/students.

DESIRABLE CRITERIA:

1. BSc in biology, biomedical science, medical laboratory sciences or related subject.
2. Experience in Molecular Technology.
3. Basic experience in Digital Image Analysis .
4. Experience with clinical samples for molecular analysis.
5. Working knowledge of relevant systems, equipment and processes.
6. Full understanding of EQA & IQA and their implications.