

| Job Details | | |
|---------------------------------|---|-----------|
| Job Title: | Research Technician | |
| School/Dept/Institute & Centre: | Barts Cancer Institute, Centre for Tumour Biology | |
| Reports to: | Prof Trevor Graham | |
| Grade: | 3 | Full Time |
| Career Family: | Technical Services | |
| Appointment period: | 1 year | |
| Current Location: | Charterhouse Square | |

Job Context

The Barts Cancer Institute (BCI) is a Cancer Research UK Centre of Excellence whose work aims to transform the lives of those with and at risk of cancer through innovative research in the laboratory, in patients and in populations. BCI is internationally renowned in many areas of cancer research and it combines ground-breaking basic research with the expertise of clinicians and clinician scientists from the Centre for Experimental Cancer Medicine and the Barts NHS Trust to achieve improvements in cancer patient care. BCI is also committed in supporting and developing future cancer researchers through its extensive postgraduate training. It is one of six institutes within The School of Medicine and Dentistry (SMD).

The Evolution and Cancer lab at the Barts Cancer Institute (BCI) is running a large case-control study to identify somatic genetic risk factors for colitis-associated colorectal cancer. The study is funded by the Barts Charity. This position is for a technician to assist with the genomic sequencing of archival samples.

Job Purpose

- To perform histological and genomic analysis on archival samples as part of the Barts Charity funded project, and manage the data produced and meta-data associated with these analyses.
- To work as part of the Evolution and Cancer laboratory in the Centre for Tumour Biology, with responsibility for some organisation tasks within the laboratory including reagent ordering and arranging maintenance.
- Being mutually supportive and covering duties as necessary during colleagues' absences and at times of additional pressure, particularly to assist in immunohistochemistry, PCR, microscopy, assessment and collection of clinical samples.

Main Duties & Responsibilities

Specific Duties:

- Provide Technical Support to the genomic sequencing of archival samples
- Responsible for histological and genomic data generation within the aforementioned research project under the supervision of PI.
- To assist in immunohistochemistry, PCR, microscopy, assessment and collection of clinical samples.
- To manage data produced in the project and associated data.
- Responsible for reagent ordering and arranging maintenance.
- Actively participate in other ongoing research in the laboratory as required, and in the Centre's scientific meetings, including lab meetings and journal clubs.

Job Profile

Job Description

- The post holder must at all times carry out their responsibilities with due regard to the College's Equal Opportunities and Health and Safety policies.
- These duties will be subject to review in line with the changing requirements of the Centre, Institute, School or College, and with the development needs of the post holder as identified through regular review/appraisal processes.

The above list of responsibilities is not exhaustive and the jobholder may be required to undertake other duties commensurate with the level of the role, as reasonable requested by their line manager.

This job description sets out the duties of the post at the time it was drawn up. Such duties may vary from time to time without changing the general character of the duties or level of the responsibility entailed. Such variations are a common occurrence and cannot in themselves justify a reconsideration of the grading of the post.

Job Profile

Person Specification

This table lists the essential and desirable requirements needed in order to perform the job effectively. Candidates will be shortlisted based on the extent to which they meet these requirements.

| Requirements | | Essential / Desirable |
|-----------------------|--|-----------------------|
| Qualifications | BSc or equivalent in a biological or related science | E |
| Knowledge, | Experience of working in a biomedical research laboratory | E |
| Skills and | Experience with computer software relevant to laboratory research, data presentation and statistical evaluation of results | E |
| | Experience of DNA extraction and quality control | E |
| | Experience of immunohistochemistry techniques | E |
| Experience | Experience of laser capture microdissection | D |
| | Experience of collecting and processing human tissue samples | D |
| | Experience of genomic assays, foremost library preparation for next generation sequencing | D |
| | Experience with intestinal tissue samples | D |
| | Laboratory bench skills | E |
| | Knowledge of laboratory procedures, materials, equipment | E |
| | Ability to follow written and oral instructions | E |
| | Ability to maintain good laboratory records | E |
| | Ability to work accurately with attention to detail | E |
| | Evidence of good team-working | E |
| | Understanding of the research process | E |
| | Ability to organise and prioritise workload | E |
| | Clear communicator | E |
| | Flexible and co-operative | E |
| | Willingness to learn new skills | E |
| | Willingness to work and travel between campuses as far as duties may require | E |
| | | |

E – Essential: Requirements without which the job could not be done.

D – Desirable: Requirements that would enable the candidate to perform the job well.