

Job Details		
Job Title:	Research Technician	
School/Dept/Institute & Centre:	Barts Cancer Institute, Flow Cytometry Core Services	
Reports to:	Flow Cytometry Service Manager	
Grade:	4	Full Time
Career Family:	Technical	
Appointment period:	3 years	
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).

Job Purpose

- This post is to provide technical support for the Flow Cytometry Service in the Barts CR-UK Centre/WHRI. The post-holder will be expected to be responsible for contributing to the operation and maintenance of flow cytometry equipment, for the analysis and sorting of samples by flow cytometry/FACS, and for the operation and maintenance of the CyTOF2. The post is based at Charterhouse Square, but may require the post-holder to visit other local Hospital sites.

Main Duties & Responsibilities

Specific Duties:

- Provide technical support for the Flow Cytometry Service
- With the Flow Cytometry Service Manager and under the direction of the Flow Cytometry Academic Leads (including Professor Nick Goulding and Prof John Marshall), ensure maintenance of flow cytometers, the cell sorter and CyTOF2, ensuring instruments are regularly serviced, correctly calibrated and performing at their maximum and optimal capacity.
- Analyse samples for laboratories at the Barts CR-UK Centre/WHRI as part of a service to both.
- Assist other users of the Flow cytometry Core Facility in sorting samples and in the analysis of the data.
- Train users in the operation of flow cytometers
- Assist in designing multiparameter flow cytometry experiments
- Assist users of the Flow Cytometry Core Facility in running samples on the CyTOF2
- Contribute to the implementation of new analytical methods based on flow cytometry and related techniques by performing experiments in agreement with the Flow Cytometry Service manager and Academic Leads.
- Be responsible, under the general guidance of the Flow Cytometry Service Manager, for undertaking the programme of work.
- Be responsible for the provision of regular progress reports.

- Collect data and undertake any appropriate analysis of data as requested.
- Maintain appropriate databases, keeping accurate written and computerised records and to ensure that these records are stored in a secure place, and to maintain confidentiality of all electronically stored personal data in line with the provisions of the Data Protection Act.
- Contribute to research writing.
- Contribute to maintaining laboratory safety and ensure all team members are fully aware of and comply with College and Trust policies and procedures in relation to confidentiality, health and safety at work, COSHH regulations and infection control.
- To aid with recommending future equipment requirements and evaluating new equipment for purchase.
- Undertake such other duties as may be reasonably expected by the Flow Cytometry Service Manager, Flow Cytometry Academic Leads, and the Core Service Director and Manager.

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 relevant subject	E
Knowledge, Skills and Experience	Experience in the operation of flow cytometers	E
	Experience in cell sorting	D
	Experience in other biochemical techniques	D
	Experience of working in a research environment	D
	Experience with mass cytometry	D
	Experience with Imaging cytometry	D
	Knowledge of flow cytometry	E
	Knowledge of proteomics or metabolomic techniques	D
	Knowledge of flow cytometry analysis software	E
	Ability to maintain accurate and up to date records	E
	Understanding of the research process	E
	Ability to organise and prioritise own work and organise research within the project timetable	E
	Computer literacy	E
	Effective team working	E
	Good communication skills	E
	Analytical skills	E
	Experience with statistical analysis	E
		Willingness to work flexibly in order to achieve project demands
	Willingness to learn new skills	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.