



## Candidate Information

<b>Position:</b>	Technician (Grade 5)
<b>School/Department:</b>	School of Medicine, Dentistry and Biomedical Sciences
<b>Reference:</b>	24/112240
<b>Closing Date:</b>	Monday 11 November 2024
<b>Salary:</b>	£30,948 - £32,807 per annum
<b>Anticipated Interview Date:</b>	Thursday 21 November 2024
<b>Duration:</b>	Fixed Term - Full Time, available for 6 months

### JOB PURPOSE:

To provide specialist technical services to support research and teaching projects of the laboratory headed by Dr Bettina Schock. The laboratory aims to understand the pathology of pulmonary fibrosis employing a multidisciplinary approach bridging innovative cell models, immunology and cell biology.

### MAJOR DUTIES:

1. Contribute to meet the milestones and deliverables of the CHS funded projects of the laboratory.
2. Provide detailed information and guidance to technical staff in laboratory/workshop procedures/research experiments as appropriate.
3. Contribute to the development, construction and modification of components/apparatus using full range of techniques for teaching/research/project work purposes.
4. Set up specialised equipment and techniques for use by academics and students in practical experiments.
5. Prepare and carry out procedures for research tests/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, generate preliminary data for grants applications, and contribute to answer concerns/issues raised by reviewers of grants and papers of the laboratory.
6. Maintain, test, fault finding laboratory storage, ordering system, cell collection & cell lines to ensure it is safe to use and complies with relevant statutory safety regulations.  
Ensure general workshop/laboratory services tidiness.
7. Allocate tasks to technical staff and follow up to ensure work is completed to required standards and timescales.
8. Responsible for maintaining stock levels and laboratory collections, to ensure there is adequate stock at all times.
9. Comply with Health and Safety procedures affecting self and others, ensure the laboratory complies with Health and Safety procedures.
10. Carry out any other duties which are appropriate to the post as may be reasonably requested by the supervisors.

### ESSENTIAL CRITERIA:

1. Academic and/or vocational qualifications e.g. 2 A levels, OND/ONC City & Guilds level 3, NVQ level 3 or equivalents in relevant subject.
2. 3 years of relevant work experience (hands-on) in molecular biology techniques and tissue culture to include working with epithelial cells and/or fibroblasts.
3. Specialist skills and job relevant knowledge . Comprehensive knowledge of relevant systems, equipment and processes.
4. Well-developed understanding of relevant regulations and procedures including Health and Safety requirements.
5. Laboratory management skills.
6. Good communication and interpersonal skills.
7. Ability to develop and demonstrate standard equipment and techniques.
8. Ability to prioritise own work within a general plan to meet deadlines.
9. Ability to train junior staff and allocate work.
10. Analytical and problem-solving skills.

11. Working after hours if required.

**DESIRABLE CRITERIA:**

1. BSc degree or higher in relevant subject.
2. 2 years of recent (within the last 36 months) relevant work experience (hands-on) to include (at least THREE of the following):
  - Tissue culture (epithelial cells and/or fibroblasts)
  - Confocal microscopy
  - Flow cytometry for immunotyping
  - Western Blot, Immunocytochemistry
  - ELISA
  - Tissue culture of induced pluripotent stem cells (reprogramming, differentiation)

**ADDITIONAL INFORMATION:**

Informal enquiries may be directed to Dr Selinda Orr at (s.orr@qub.ac.uk).