

Job Title: Research Technician

Grade: 4

Salary: £24,250 to £26,338 per annum, pro rata if part-time

Department: Respiratory Sciences

Hours/Contract: Full-time, Part-time (minimum 0.8FTE), or job share considered, fixed term contract for 12 months or until the return of the postholder, whichever is sooner

Job Family: Technical and Experimental

Reference: 11616

Role Purpose

The research technician will work as a key part of the PCD diagnostic team testing ciliated samples in the laboratory. They will also research development in diagnosis techniques to facilitate PCD service improvements. laboratory-based techniques to improve PCD diagnosis.

Resources Managed

Laboratory data records, laboratory consumables related to work area, safety resources (COSHH and risk assessments)

Main Duties and Responsibilities

- As the PCD technician you will conduct immunohistochemistry of respiratory cilia to aid the diagnosis of PCD.
- You will undertake high-speed video microscopy and cell culture of the ciliated epithelium to help in PCD testing (with training)
- The role will provide general laboratory support such as, house-keeping duties, application of COSHH assessments and other safety requirements, and maintenance of basic lab equipment
- You will be responsible for interrogating gene sequencing data (with training)
- You will accurately and precisely record data, prepare reports, and report results related to the diagnosis of PCD to an agreed standard
- You will act as a key support in the analysis of samples, data processing, and preparing reports while adhering the most up-to-date laboratory protocols
- You will assist with the preparation and quality control of laboratory culture media and reagents for yearly PCD testing quality control.

Internal and External Relationships

To receive instruction and work in close contact with the line manager to plan and deliver specific tasks on a regular basis.

Planning and Organising





Clarify work requirement with the line manager to identify and resolve any immediate problems and refer the complex work/analysis to a more senior member of staff.

Perform activities to appropriate time and quality requirements, following established protocols and procedures.

Plan and prioritise own work for the week or weeks ahead to deliver scheduled services/targets.

Qualifications, Knowledge and Experience

Essential

- Relevant education to A-Level standard or equivalent*
- Previous experience of working in a laboratory*
- Experience in the growth and maintenance of cell cultures*
- Knowledge of whole exome and next gen sequencing
- A good working knowledge of health and safety regulations including COSHH
- Experience of working to GLP regulations*
- Experience in Immunohistochemistry*
- Experience of microscopy*

Skills, Abilities and Competencies

Essential

- Proficiency in Microsoft Office (Word and Excel)
- Proficiency in basic statistical analysis
- Excellent oral and written skills *
- Demonstrate high level of attention to detail and accuracy*
- Ability to work within a team and communicate effectively

****Criteria to be used in shortlisting candidates for interview***

Reason for Fixed Term Contract

The reason for the fixed term contract is stated in section 1.9 in the summary of contractual terms in your contract of employment.

Criminal Declaration

If you become an employee, you must inform your manager immediately, in writing, if you are the subject of any current or future police investigations/legal proceedings, which could result in a criminal offence, conviction, caution, bind-over or charges, or warnings.

Supporting University Activities





As a University of Leicester citizen, you are expected to support key university activities such as clearing, graduation ceremonies, student registration and recruitment open days. We expect all staff as citizens to work flexibly across the University if required.

University Values

Inclusive - We are diverse in our makeup and united in ambition. Our diversity is our strength and makes our community stronger.

Inspiring - We are passionate about inspiring individuals to succeed and realise their ambitions. We challenge our community to think differently, to get involved, and to constantly embrace new ideas.

Impactful - As Citizens of Change we will generate new ideas which deliver impact and empower our community

Equity and Diversity

We believe that equity, diversity and inclusion is integral to a successful modern workplace. By developing and implementing policies and systems that challenge stereotypes across all aspects of our work, we have a culture that recognises and values the diverse contributions of our staff which benefits everyone. Our strong values of inclusivity and equity support our efforts to attract a diverse range of high quality staff and students, and identify our University as a progressive and innovative workplace that mainstreams equity, diversity and inclusion.

