



Job Title: Research Technician
Grade: 4
Salary: £22,681 - £25,138 per annum pro rata
Department: Respiratory Sciences
Hours/Contract: Full-time or job share, fixed term until 31 July 2026
Job Family: Technical and Experimental
Reference: 8402

Role Purpose: To conduct experimental (*in vivo* and *in vitro*) work in Cooper Laboratory, Respiratory Sciences

Resources Managed: Under instruction to work in the laboratory and within the animal facility to study the immunology of lung disease.

Main Duties and Responsibilities

- As a Research Technician in the Cooper group, you will carry out specific laboratory-based experiments on research projects investigating the immunological basis of immunity to tuberculosis and on human immune responses.
- The research will use immunological methods to induce, collect and analyze immune cells. Cells may be derived from human or animal sources.
- Prepare for and conduct defined experiments, record data and present findings accurately using the scientific method and under guidance from the investigators.
- To keep accurate and clear written records of experimental data and present findings to their supervisor and assist with routine data recording and input to a computer database.
- To assist with the development and validation new experimental techniques as identified by research project lead.
- Operate a range of specialist laboratory equipment (with training) adhering to the relevant COSHH regulations and safety standards.
- To help in the day-to-day running of the laboratory and carry out general laboratory housekeeping duties and maintenance of laboratory equipment.

Internal and External Relationships

- To receive instruction and work in daily close contact with Prof Cooper, Dr Pearl, and Dr Das to plan and deliver specific tasks on/over a weekly basis.
- Attending group meetings to ensure up to date knowledge of the work of the group (approximately once a week)

Planning and Organising

- Interact closely on daily work requirement with line manager to identify and resolve any immediate problems.





- Under instruction you will be ordering supplies and equipment to meet the requirements of the research.
- Planning own workload in conjunction with the requirements of the project and that the laboratory receives overall support.
- Perform activities to appropriate time and quality requirements, following established procedures.
- Plan and prioritise own work for the week or weeks ahead to deliver scheduled services but with attendance at required times.

Qualifications, Knowledge and Experience

Essential

- Prior technical work experience in immunological methods and use of sterile technique*
- Understanding of the scientific method*
- Hands on experience with animals and animal models*
- Able to work with human cells*
- General education to A level standard or NVQ 3 or equivalent*
- Familiarity with a range of software packages including Microsoft Office and GraphPad Prism 6*
- Prior work experience using flow cytometry*
- Working knowledge and experience of good laboratory practice and laboratory safety issues*
- A good working knowledge of Health and Safety regulations*

Desirable

- Experience in supporting the drafting of research report.
- Experience in analysing and interpreting research data

Skills, Abilities and Competencies

Essential

- Effective oral and written skills and ability to communicate effectively with staff and students.
- A high level of accuracy and attention to detail
- Ability to initiate and develop professional relationships within the group and department.
- Ability to plan own laboratory and other activities to agreed deadlines.
- Good interpersonal skills.
- Competent in using a range of scientific equipment.
- Ability to plan and organise laboratory activity.
- Maintain and use a laboratory notebook.

Desirable

- Ability to work independently and interact well with team members and contacts internal and external to the University.
- Flexibility in hours to accommodate experimental protocols.





- French language competency

****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.

Additional Screening Requirements

- BPSS clearance for access to the Pre-Clinical Research Facility.
- Occupational Health screening requirements for animal work and for work within the category 3 containment suite. Animal allergens and human pathogens exposure.

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.

