



**Job Title:** Research Technician

**Grade:** 5

**Salary:** £26,338 to £30,805 per annum, pro rata if part-time

**Department:** Respiratory Sciences

**Hours/Contract:** Full-time, fixed term contract until 31 March 2028

**Job Family:** Teaching and Research

**Reference:** 11506

## Role Purpose

To assist in the laboratory scientific research on development of host-directed therapy for targeting *Mycobacterium tuberculosis* persists under supervision. This UKRI funded project involves collaboration with Hasanuddin University (Indonesia) and Ubon Ratchathani University (Thailand).

Duties will include general support and maintenance of Prof Mukamolova's laboratory in the department of Respiratory Sciences. Other responsibilities involve carrying out specialised assays (cytotoxicity assays, determination of MICs, CFU and MPN counting), preparation of media and reagents for the project; ordering consumables and reagents for the laboratory; co-ordination for reagent shipment and tracking; supporting work in the containment 3 laboratory, participation in C3 user group meetings, writing of RAs and SOPs.

The post holder will liaise with internal and external collaborators, organising material exchange and reagent shipment. The post holder will be trained for category 3 containment laboratory work.

## Main Duties and Responsibilities

- Support the laboratory with preparation of reagents and media and providing support for ordering of consumable and reagents. Daily maintenance and use of expensive equipment
- Cultivation of mycobacteria and cell lines, preparation of stocks and managing laboratory strain collection
- Conducting specialised assays (MPN, CFU, cytotoxicity and MIC determination)
- Collect experimental results accurately for presentation to and discussion with the supervisor and PDRA ultimately help to prepare the data (with guidance from the supervisor) for publication.





- Organisation of material shipment to collaborators
- The post-holder will prioritise their work to ensure that work is completed to an agreed timetable, in discussion with supervisor.

## Internal and External Relationships

Daily contact with the direct line manager and lab members. There will be some contact and support with external collaborators and other members of the University.

To assist in the technical training of undergraduate and postgraduate students in key laboratory techniques.

To attend C3 laboratory meetings and complete essential training

## Planning and Organising

Some ability to plan own experiments and organise time effectively to meet deadlines

Attend training courses as reasonably required by line management and to be proactive in terms of continued professional development.

## Qualifications, Knowledge and Experience

### Essential

- Knowledge in laboratory safety issues\*
- Expertise in cultivation of bacteria and cell lines \*
- Expertise in antimicrobial susceptibility testing and cytotoxicity assays\*
- Previous laboratory experience\*
- Technical or scientific education to ONC or NVQ3 level.

### Desirable

- Experience in handling mycobacteria\*
- BSc or MSc Degree in relevant science, preferably Microbiology (2.1 or 1 Classification) or expected to graduate in summer 2025





**Skills, Abilities and Competencies**

**Essential**

- Well-developed understanding of Health and Safety regulations and procedures\*
- Computer literacy (Word, Excel, statistical packages) \*
- Good oral and written communication skills
- Good inter-personal skills
- Ability to work independently and interact well with team members

**Desirable**

- Knowledge of IATA regulations
- Experience in writing SOPs and RAs

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

**Reason for Fixed Term Contract**

The reason for the fixed term contract is funding availability.

**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.

