



Job Title: Research Technician
Grade: 5
Salary: £26,038 to £30,105 per annum pro rata
Department: Cardiovascular Sciences
Hours/Contract: Part-time (0.6FTE 21 hours per week) fixed term contract for six months
Job Family: Technical and Experimental
Reference: 10936

Role Purpose

The Leicester van Geest Multi-Omics Research Group is seeking a highly skilled Laboratory Technician with extensive experience in performing proteomics work to join our research team. This individual will play a crucial role in supporting a research project and ensuring the smooth operation of the project. In addition, the role involves preparing and analysing plasma samples using mass spectrometry as well as doing bioinformatics for proteomic data. Therefore, the ideal candidate will have excellent skills in proteomic work and bioinformatics.

Main Duties and Responsibilities	% Time
<ul style="list-style-type: none"> • Prepare plasma samples using proteomic protocols to isolate extracellular vesicles proteins and lipid species proteins. 	40
<ul style="list-style-type: none"> • Analyse plasma samples on mass spectrometry. 	10
<ul style="list-style-type: none"> • Process proteomic data generated from mass spectrometry using bioinformatics. 	10
<ul style="list-style-type: none"> • Carry out statistical analysis to select candidate biomarkers for proteomic work and perform pathway analysis for candidate biomarkers. 	10
<ul style="list-style-type: none"> • Develop and validate proteomic assays (targeted work) for selected biomarkers using mass spectrometry and enzyme linked immunosorbent assays (ELISAs). 	10
<ul style="list-style-type: none"> • Collect experimental results accurately for presentation e.g. via powerpoint presentations to the research team and discussion with the supervisor and ultimately support to prepare the data (with guidance from the supervisor) for publication. 	7.5
<ul style="list-style-type: none"> • Provide analysis and interpretation of results obtained from proteomic work for discussion with supervisor and subsequent publication in scientific journals. 	7.5
<ul style="list-style-type: none"> • Responsibility for 'house-keeping' duties within the designated laboratories, including but not limited to application of COSHH and other safety requirements. Requisition and procurement of consumables to maintain stock levels. Collection and distribution of deliveries and materials. 	5
Internal and External Relationships	
<ul style="list-style-type: none"> • Daily contact with research group members at all levels in the execution of general support duties. • Daily contact with other core technicians over maintenance of shared facilities, ordering, storage, safety, reorganisation and training. 	





- Regular contact with research supervisors to review and plan research activity.
- Regular contact with other research groups, University research departments, e.g., to coordinate chemical disposal, repair/set up equipment.
- Occasional contact with external suppliers for information, quotations and delivery.

Planning and Organising

- Plan own laboratory and other activities to agreed deadlines.
- Requisition supplies to meet the requirements of the laboratories and facilities to ensure adequate stock levels at all times.
- Where relevant, record use of facilities from booking system for use in reports for cost recovery from relevant research grants.
- Liaise with users and coordinate facility closure for essential service, cleaning and maintenance of equipment.

Qualifications, Knowledge and Experience

Essential

- Technical or scientific education to ONC or NVQ3 level*
- Proven experience in performing proteomic work for plasma samples*
- Knowledge of computer software for data analysis and production of graphs, such as GraphPad Prism, Microsoft Excel and PowerPoint

Desirable

- Degree in a relevant science*

Skills, Abilities and Competencies

Essential

- Ability to work independently and as part of a team
- Strong organisational skills
- Ability to work flexibly
- Ability to plan, organise and deliver a program of work
- Excellent interpersonal skills
- Ability to work accurately and with a high attention to detail

****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 equality 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 equality, diversity and inclusion.

