

Job Title: Experimental Officer
Grade: 7
Salary: £34,804 to £40,322 per annum
Department: Cardiovascular Sciences
Hours/Contract: Full-time open ended contract subject to fixed term funding. Funding is available to 31 May 2023
Reference: 1794

Role Purpose

As a member of the Translational Research Group within the Department of Cardiovascular Sciences, you will support research in a technical and administrative capacity. You will use biomarker/metabolomic approaches to identify and to investigate novel genes and factors, and to pursue diagnostic applications for implementation purposes. You will also identify and characterise cellular and molecular mechanisms of disease as therapeutic targets. This role specifically is associated with the MRC-funded UK Consortium for Metabolic Phenotyping (MAPUK) study which is a partnership with the National Phenome Centres to advance metabolomics investigations, with a particular focus on clinical/translational aspects at the lab.

Resources Managed

Provision of technical and administrative support with supervisory responsibilities for management, organisation and supervision of the lab and mass spectrometers used at Glenfield Hospital, and those housed within the new mass spectrometry facility on main campus at the Hodgkin building.

You will supervise and develop staff in the locations, ensuring their work complies, conforms and contributes to the stated aims of the lab and Department. You will provide high level technical expertise and research skills to make a significant contribution to the research productivity of the location.

Main Duties and Responsibilities

- Day-to-day organisation and management of laboratory operations and facilities such as:
 - Operations of mass spectrometers
 - Planning and coordinating maintenance and repairs/servicing of equipment
 - Overseeing costs/budget for laboratory activities/services
 - Security systems and ensuring compliance, through regular monitoring and safety checks and regulations that all activity meets Health and Safety standards throughout the area, purchasing of consumables and use of equipment, as well as addressing issues and trouble-shooting as they occur)
- Conduct individual novel research projects, developing, optimising and recording protocols, and generating accurate data for research. Contribute to the overall research programme using innovative research models and approaches, testing and developing them to enable work to be carried out that will result in the emergence of new understanding within the research field. Contributions to research outputs (papers, grants) are encouraged.
- Provide technical and administrative support to academic and research staff in the design and development of laboratory investigations, equipment, systems and processes to support teaching and research.

Internal and External Relationships





Initiate and maintain communications with other technical staff and researchers both internal and external to the University of Leicester. This could include communication with other researchers and scientists elsewhere throughout the UK and possibly overseas.

You will need to plan ahead to ensure the research is delivered in accordance with the overall research objectives, this may include defining tasks and schedules, organising meetings and preparing project reports.

Planning and Organising

Plan and organise own work and that of the team having an overview of activities to be carried out throughout the year.

Take into account costs, deadlines, current workload of staff, space allocation, availability of equipment and routine maintenance.

Be prepared to alter and amend timeframes and plans to meet changing needs of the lab.

Support planning on resource requirements for the future development of the section, laboratories and work areas for months and even years ahead.

Plan to ensure appropriate technical assistance and support is available to academics and students in pursuit of research and teaching activity.

Qualifications, Knowledge and Experience

Essential

- Technical, technology/engineering or scientific degree or equivalent experience*
- Experience in biomarker discovery/validation using metabolomics/proteomics*
- Knowledge and experience of research field*

Desirable

- Evidence of research productivity (e.g. publications)*
- Evidence of interest and enthusiasm in working in research field
- Supervisory/management experience
- Financial training to manage budgets where appropriate
- In possession of or working towards a professional qualification*

Skills, Abilities and Competencies

Essential

- High level of proficiency in English, sufficient to undertake technical and administrative activities utilising English Language materials and to communicate effectively with staff and students*
- Evidence of continued personal development of subject expertise*
- Ability to work well in a team
- Effective interpersonal skills





- Ability to plan, implement and deliver programmes of work

Desirable

- Ability to communicate complex information clearly
- Effective planning and organisational skills
- Able to demonstrate research potential and enthusiasm of the subject area and deliver high quality research
- Able to prioritise, plan, organise and deliver a programme of work effectively and to the required standard

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

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.

VITAL

The University encourages all staff to live our [VITAL values](#) which are:

Valuing People, Innovators, Together, Accountable, Leaders.

Equality and Diversity

We believe that equality, 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.

