

THE UNIVERSITY OF MANCHESTER
PARTICULARS OF APPOINTMENT
FACULTY OF BIOLOGY, MEDICINE & HEALTH
SCHOOL OF MEDICAL SCIENCES
DIVISION OF CANCER SCIENCES
LAB MANAGER/RESEARCH TECHNICIAN
VACANCY REF: BMH-029194

Salary: Grade 5 £31,637 to £36,130 per annum, depending on relevant experience

Hours: 35 hours per week (1 FTE)

Duration: Fixed term for 30 months

Location: CRUK Oglesby Cancer Research Building, 555 Wilmslow Road, M20 4GJ

Enquiries about the vacancy, shortlisting and interviews:

Name: Prof. Angeliki Malliri

Email: angeliki.malliri@manchester.ac.uk

Context of the role

To support a wide range of research activities in the field of lung cancer, to contribute to specific ongoing research projects, and with a view to take on overall management of the laboratory. This will involve independently performing grant-driven experiments, contributing to experimental design, consultation with other researchers, data analysis, presentation and reporting. The post also involves advisory and supervisory roles with respect to ensuring there is a sound scientific knowledge base available and there is compliance with University procedures and regulations, particularly Health and Safety legislation. Lab management duties will include maintenance, advice and induction with regard to the procurement and use of equipment and general laboratory organisation. The post holder will need to liaise with others to ensure they have a clear understanding of the needs of the School, Faculty and University in order to achieve their goals.

Main Responsibilities

Operational

- Assist with research investigating the role of RAC1 signalling in the spasticity (neuroendocrine to non-neuroendocrine transition) of SCLC

- Optimise experimental protocols and perform experiments to identify and investigate the roles of candidates mediating the RAC1-regulated transition. Use cell culture techniques to grow and manipulate primary cells, and molecular biology and biochemical techniques to identify and evaluate the functions of candidates. The successful candidate will be trained in cell imaging using confocal microscopy or develop their microscopy skills, perform data analysis and present their results in local meetings and conferences
- Contribute to the analysis and presentation of data using appropriate systems and methods for inclusion within publications and presentations
- Use own initiative to find solutions to problems and implementing appropriate changes to working practices
- Supervise and advise staff and students on experimental protocols, equipment use, induction and safe working practices
- Manage the efficient and safe operation of the Group's Laboratory areas. Monitoring both that the activity and personnel are appropriate for the area
- Ensure systems are in place for monitoring general consumable stock levels and procurement of consumables and equipment
- Take delivery of goods and store in accordance with local and statutory guidelines
- To liaise with Faculty Finance Team to monitor, assess and advise the Group Lead on the laboratory's budgets
- Prepare and maintain risk assessments for the preparation and use of reagents, chemicals, equipment and procedures by self and others in the group
- Work in compliance with relevant Health and Safety regulation, Data Protection Act and University policy legislation and regulations, e.g. Human tissue Act, Equality & Diversity, etc. Advise and ensure others within the Group also comply with current regulations of the School, Faculty and University
- Carry out health and safety inductions for laboratory workers
- Actively participate and assist in the process of performance and development reviews
- Attend and contribute to research group and staff meetings
- Any other reasonable duties commensurate with the grade to support the strategies of the School or Faculty

General

- Have an understanding of and commitment to promote the University's policies and procedures to support and promote Equality & Diversity
- To maintain the confidentiality of information in line with data protection requirements and University policy
- Work in compliance with other relevant legislation and regulations such as the Human tissue Act (HTA)
- To comply with Health and Safety requirements, including having an awareness of personal responsibilities to maintain a safe working environment

- To contribute to the University's agenda for social responsibility, including sustainability

Social responsibility (All Staff)

- You are expected to display commitment to the University's third strategic goal of social responsibility, where the aim is to make a positive contribution to society through our full range of teaching, research, engagements and operational activities
- Promote social responsibility
- Contribute to the delivery of the social responsibility agenda and strategic aims

Personal Specification

Essential Knowledge, Skills, Experience and Qualifications

- A bachelor's degree in a relevant biological science subject
- Extensive relevant and specific laboratory experience in cancer biology, with a breadth and depth of knowledge in a range of standard molecular biology and biochemistry techniques, as well as cell culture
- Knowledge of and compliance with relevant Health and Safety regulations, the Data Protection Act, Standard Operating Procedures and risk assessments, including COSHH risk assessments
- Ability to plan, organise and undertake a complex workload with multiple and competing priorities, without supervision
- Previous experience of preparing Standard Operating Procedures and risk assessments including COSHH risk assessments
- Good computer skills, including WORD, Excel and PowerPoint packages and exposure and use of GraphPad Prism
- Ability to work independently
- Ability to clearly present information verbally, electronically and on paper
- Ability to follow and deliver clear instructions and communicate effectively and politely with staff and students
- Ability to work to a high standard with good reproducibility of results
- Willingness to undertake any necessary training and deliver in-house training to others
- To attend and contribute to research group and staff meetings
- Demonstrable commitment to the University's strategy, vision and values

Desirable Knowledge, Skills, Experience and Qualifications

- A master's degree in a relevant science subject
- Experience of working with specific IT packages/software e.g. ImageJ and/or IMARIS
- Knowledge of specific legislation e.g. the Human Tissue Act (2004)

- A flexible approach to working is desirable as occasional evening and weekend working may be required to monitor the progress of some procedures and experiments
- Willingness to attend and contribute to Division and staff meetings

Expectations and success factors

- To be a proactive team member and treat all colleagues and students with respect in accordance with the established PS Behaviours
- To be willing to work across organisational boundaries
- To seek new knowledge and share ideas
- To be open and responsive to change and innovation