



Job title	Senior Technician - Laboratory	Job family and level	Technical Services Level 3
School/ Department	School of Medicine / Translational Medical Sciences	Location	The East Midlands Campuses of the University of Nottingham

Purpose of role

You will provide senior technical support as part of Dr Sophie Kellaway's research group focusing on studying gene regulation and cell signalling in Acute Myeloid Leukaemia. You will validate drivers of leukaemia relapse by generating a lentiviral library to screen in a reporter assay and work alongside a post-doctoral research fellow to confirm therapeutically useful hits. You will be expected to work with primary human leukaemia samples (blood/bone marrow).

You will use knowledge, experience, and skills in the development of laboratory techniques and processes and provide support and guidance for research projects.

You will work with independence and initiative to complete processes, organising your work to meet clear objectives. Independence and initiative will be required to react to changing priorities and work circumstances, with scope to make decisions within clear parameters.

The duties and percentage time allocation provides an indication and framework for the role and should not be regarded as a definitive list or allocation. Other reasonable duties commensurate with the grade, spirit and purpose of the post may be requested.

The School of Medicine recognises the importance of continuous professional development and therefore, the importance of providing opportunities, structured support and encouragement to engage in professional development each year.

To find out more about the School of Medicine, its values, vision, teaching and research, please see our [further information leaflet](#).

Commented [RM(1): Can you add some details about the type of lab work and a bit about your research?

	Main responsibilities (Primary accountabilities and responsibilities expected to fulfil the role)	% Time per year
1	Specialist Laboratory Advice and Technical Knowledge <ul style="list-style-type: none">To manage, plan and conduct agreed research activity using recognised approaches, methodologies and techniques within the research area with support and guidance from the line managerTo help resolve problems, in meeting research objectives and deadlines in collaboration with colleagues	70%

	<ul style="list-style-type: none"> To provide quality and timely advice, assist and train staff and students in the development of laboratory skills and processes Perform and provide advice on the setting up of experiments and/or deployment of particular techniques Utilise knowledge and expertise to aid troubleshooting and problem solving Contribute to the development of new or improved methods or techniques Undertake further training to develop skills and technique base in a specialist area Assist in the interpretation of results, providing quantitative and qualitative analysis Advise staff and students on the application of techniques and use of relevant equipment To keep up to date, comprehensive laboratory records documenting the research activity 	
2	Laboratory and General Management <ul style="list-style-type: none"> Jointly plan and oversee the running of the laboratories, allocating resources and providing technical supervision to ensure work objectives and standards are met Plan and prioritise work accordingly, escalating problems or conflicts to more senior colleagues Advise on the purchasing of consumables Conduct regular routine maintenance, fault diagnosis and schedule repair of equipment Effectively communicate information to colleagues, suppliers and maintenance staff Maintain accurate data records 	20%
3	Health and Safety and Governance <ul style="list-style-type: none"> Undertake regulatory oversight in relevant areas e.g. HTA, H&S etc. Follow School of Medicine local safety arrangements in the performance of duties and follow local escalation procedures for any health and safety considerations Assess the risks of the planned activity and perform the tasks having acted to secure the safety of yourself and others Write and review risk assessments, standard operating procedures and other relevant paperwork in collaboration with colleagues Maintain a safe work environment by carrying out inspections, general housekeeping checks and other Health & Safety processes, ensuring findings are acted upon or relayed to technical services managers Provide safety monitor cover in designated area 	10%
4	<ul style="list-style-type: none"> Any other duties appropriate to the grade and level of the role 	N/A

Person specification

	Essential	Desirable
Skills	<ul style="list-style-type: none"> Ability to culture mammalian cells Familiarity with bacterial transformation 	<ul style="list-style-type: none"> Competent in the design and laboratory methods for molecular

	<ul style="list-style-type: none"> • Understanding of common molecular biology and cell biology methods • Problem solving skills • Excellent oral and written communication skills, including the ability to communicate with clarity on complex information • Ability to work accurately in order to maintain high standards • Ability to build relationships and collaborate with others internally (e.g. other laboratory staff) and externally (e.g. NHS staff) • Capability to plan and organise activities independently and with others to meet set deadlines 	<p>cloning (generating plasmids) and production of lentiviral particles</p> <ul style="list-style-type: none"> • Understanding of luciferase reporter assays • Familiarity with handling primary human samples • Proven report / laboratory book writing skills • Ability to deal with a change
Knowledge and experience	<ul style="list-style-type: none"> • An understanding of regulations and procedure governing laboratory work (Health and Safety) and implications of non-compliance of other staff. 	<ul style="list-style-type: none"> • An understanding of additional regulations including Human Tissue Act, research ethics and implications of non-compliance of other staff
Qualifications, certification and training (relevant to role)	<ul style="list-style-type: none"> • Minimum of HNC in relevant subject, <p>Or</p> <ul style="list-style-type: none"> • Equivalent qualifications plus considerable work experience in relevant role <p>Or</p> <ul style="list-style-type: none"> • Substantial work experience in relevant role 	<ul style="list-style-type: none"> • Additional qualifications in laboratory skills e.g. Health and Safety • Professional registration of RSciTech or equivalent
Other	<ul style="list-style-type: none"> • Willingness to adopt the vision and values of the School of Medicine. • Adopting and delivering to the School of Medicine's Professional Services Service Excellence Standards 	



Expectations and behaviours

The University has developed a clear set of core expectations and behaviours that our people should be demonstrating in their work, and as ambassadors of the University's strategy, vision and values. The following are essential to the role:

Valuing people	Is friendly, engaging and receptive, putting others at ease. Actively listens to others and goes out of way to ensure people feel valued, developed and supported.
Taking ownership	Is clear on what needs to be done encouraging others to take ownership. Takes action when required, being mindful of important aspects such as Health & Safety, Equality, Diversity & Inclusion, and other considerations.
Forward thinking	Drives the development, sharing and implementation of new ideas and improvements to support strategic objectives. Engages others in the improvement process.
Professional pride	Is professional in approach and style, setting an example to others; strives to demonstrate excellence through development of self, others and effective working practices.
Always inclusive	Builds effective working relationships, recognising and including the contribution of others; promotes inclusion and inclusive practices within own work area.

Key relationships with others

