



Job title	Senior Technician - Research	Job family and level	Technical Services Level 3
School/ Department	School of Medicine, Translational Medical Sciences	Location	University Park, Biodiscovery Institute

Purpose of role

The purpose of this role will be to provide a range of research technical support for ongoing projects investigating cancer. The research technician will work in collaboration with Nottingham University Hospitals NHS Trust Biobank. You will support the organisation and processing of biological samples including for DNA extraction, RNA extraction, the development of tissue microarrays and immunohistochemistry.

You will work as part of the research team, working flexibly to deliver an efficient and effective technical service. You will work within established processes with minimal supervision, organising your routine work to meet clear objectives. You will typically have specific responsibility for a clearly defined work routine and will deal with tasks/issues/requests, referring more complex situations to other members of your team or your manager. Limited 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.

	Main responsibilities (Primary accountabilities and responsibilities expected to fulfil the role)	% Time per year
1	<p>Laboratory and General Management</p> <p>Providing technical supervision to ensure work objectives and standards are met</p> <ul style="list-style-type: none"> ▪ Participate and support active research projects via immunohistochemistry, cell culture, molecular biology and other techniques. ▪ Advise on the purchasing of equipment and consumables ▪ Conduct regular routine maintenance, fault diagnosis and schedule repair of equipment ▪ Effectively communicate information to colleagues, suppliers and maintenance staff 	50%

	<ul style="list-style-type: none"> ▪ Maintain accurate data records 	
2	<p>Support the management and storage of samples Locating and verifying stored samples as required from existing records</p> <ul style="list-style-type: none"> ▪ Recording access times and dates in local database ▪ Aliquoting and dilution of samples for analysis ▪ Recording locations and other data relevant to each sample within local database. Reorganize biobank sample storage, labelling and freezer mapping. 	20%
3	<p>Specialist Advice and Technical Knowledge and Performance</p> <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 preparation and application of equipment, 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, techniques and equipment ▪ 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 	20%
4	<p>Health and Safety and Governance</p> <ul style="list-style-type: none"> ▪ Follow all School of Medicine local safety arrangements in the performance of all 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 assessment, standard operating procedures and other relevant paperwork in collaboration with senior colleagues. ▪ Maintain a safe work environment by carrying out relevant local inspection and housekeeping, ensuring findings are acted upon or relayed as required ▪ Contribute to regulatory oversight in relevant areas e.g. HTA, H&S etc. 	10%
5	<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"> ▪ Excellent oral and written communication skills, including the ability to communicate complex information effectively ▪ Ability to analyse and interpret data and processes ▪ Problem solving skills ▪ Excellent customer relations ▪ Ability to work accurately in order to maintain high standards, with the ability to work effectively under pressure ▪ Ability to build relationships and collaborate with others internally and externally ▪ Capability to organise own and other's activities to meet set deadlines ▪ Ability to lift and move objects as this role will involve storing and moving consumables and equipment ▪ High levels of resilience ▪ Ability to deal with a change ▪ Flexible team player willing to do what it takes to get the job done; adaptable and enjoys a challenge 	<ul style="list-style-type: none"> ▪ Proven report writing skills ▪ 'Drive for results' the ability to coach and motivate others to meet and exceed set objectives ▪ Ability to deal with change
Knowledge and experience	<ul style="list-style-type: none"> ▪ Immunohistochemistry, tissue microarrays, biobank infrastructure ▪ Analytical ability to interpret testing requirements ▪ Proven technical experience in relevant techniques and equipment. ▪ 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"> ▪ Knowledge of the designated field / specialism ▪ An understanding of additional regulations including Home Office (ASPA), Human Tissue Act, research ethics and implications of non-compliance of other staff ▪ Practical appreciation and experience of hazards and risk
Qualifications, certification and training (relevant to role)	<ul style="list-style-type: none"> ▪ Minimum of HNC in relevant subject (e.g. Human Biology or Biochemistry) Or Equivalent qualifications plus considerable work experience in relevant role Or 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

Statutory, legal or special requirements	<ul style="list-style-type: none"> ▪ The understanding and implementation of work-related regulations and procedures and an understanding of non-compliance on other staff and the University (e.g. health and safety, HTA) 	
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 	



Athena Swan
Gold Award



Race Equality Charter
Bronze Award



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

