



<b>Job title</b>	Research Fellow (Title will be 'Research Associate' where an appointment is made before PhD is completed)	<b>Job family and level</b>	Research and Teaching Level 4 (Appointment will be Level 4 career training grade where an appointment is made before PhD has been completed)
<b>School/ Department</b>	School of Medicine, Translational Medical Sciences	<b>Location</b>	University Park Campus

## Purpose of role

The purpose of this role will be to have specific responsibility for research, for developing research objectives and proposals for a research project in ovarian cancer targeting DNA repair. You will investigate mechanism of resistance to therapy in ovarian cancer and target validation studies. The project will focus on genomic and bioinformatics studies in serial clinical samples and ovarian cancer cell lines. Detailed tissue culture studies and molecular biological investigations will complement genomic studies. A proven track record genomics research and bioinformatics is required.

You will be expected to plan and conduct work using approaches or methodologies and techniques appropriate to the type of research and will be responsible for writing up your work for publication.

You will join an established team, led by Prof Srinivasan Madhusudan, whose main areas of research interest include DNA damage signalling and repair, and translational ovarian cancer research.

You will have the opportunity to use your initiative and creativity to identify areas for research, develop research methods and extend your research portfolio.

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.

	<b>Main responsibilities</b> (Primary accountabilities and responsibilities expected to fulfil the role)	<b>% time per year</b>
1	<p><b>Research Responsibilities:</b></p> <ul style="list-style-type: none"> <li>▪ To manage, plan and conduct own research activity using recognised approaches, methodologies and techniques within the research area.</li> <li>▪ To resolve problems, in meeting research objectives and deadlines in collaboration with others.</li> <li>▪ To identify opportunities and assist in writing bids for research grant applications. Prepare proposals and applications to both external and/or internal bodies for funding, contractual or accreditation purposes.</li> </ul>	70%

2	<b>Engagement, Communication and Continuation Responsibilities:</b> <ul style="list-style-type: none"> <li>▪ To write up research work for publication and/or contribute to the dissemination at national/international conferences, resulting in successful research outputs.</li> <li>▪ To collaborate with academic colleagues on areas of shared interest for example, course development, collaborative or joint research projects.</li> </ul>	20%
3	<b>Teach, supervise, examine, and personal tutoring:</b> <ul style="list-style-type: none"> <li>▪ You are expected to make a contribution to teaching that is in balance with wider contributions to research and other activities.</li> </ul>	10%
4	<b>Other:</b> <ul style="list-style-type: none"> <li>▪ The School of Medicine recognise the importance of continuous professional development and therefore the importance of providing opportunities, structured support and encouragement to engage in professional development each year.</li> </ul>	N/A

## Person specification

	Essential	Desirable
<b>Skills</b>	<ul style="list-style-type: none"> <li>▪ Excellent oral and written communication skills, including the ability to communicate with clarity on complex information.</li> <li>▪ Ability to creatively apply relevant research approaches, models, techniques and methods.</li> <li>▪ Ability to build relationships and collaborate with others, both internally and externally.</li> <li>▪ High analytical ability to analyse and illuminate data, interpret reports, evaluate and criticise texts and bring new insights.</li> <li>▪ Ability to assess and organise resource requirements and deploy effectively.</li> <li>▪ DNA repair assay skills including: DNA fiber assay, Immunofluorescence, Fluorescence based cell sorting (FACS) and single cell gel electrophoresis.</li> </ul>	<ul style="list-style-type: none"> <li>▪ First author publications in DNA repair science.</li> <li>▪ Conference contributions.</li> </ul>

<p><b>Knowledge and experience</b></p>	<ul style="list-style-type: none"> <li>▪ Some practical experience of applying the specialist skills and approaches and techniques required for the role.</li> <li>▪ Experience in use of research methodologies and techniques to work within area.</li> <li>▪ Good track record of previous research publication in DNA repair science.</li> <li>▪ Extensive tissue culture experience.</li> <li>▪ Proven experience in gene manipulation methodologies such as siRNA, gene editing, molecular biology assays (Immunofluorescence, FACS) and Immunohistochemistry techniques.</li> </ul>	<ul style="list-style-type: none"> <li>▪ Previous success in gaining support for externally funded research projects.</li> <li>▪ Experience of developing new approaches, models, techniques or methods in research area.</li> </ul>
<p><b>Qualifications, certification and training (relevant to role)</b></p>	<ul style="list-style-type: none"> <li>▪ PhD or equivalent in relevant subject area or the equivalent in professional qualifications and experience in research area OR near to completion of a PhD.</li> </ul>	



## 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

