



Job title	Research Fellow (title will be Research Associate where an appointment is made before PhD is completed)	Job family and level	Research Level 4 (appointment will be Level 4 career training grade when an appointment is made before PhD has been completed)
School/ Department	School of Life Sciences	Location	Medical School, Queens Medical Centre

Purpose of role

This role will involve investigating and performing research to disseminate findings on an ERC advance grant project funded by UKRI Frontier Science entitled **"Plasmo Div: Unravelling the unconventional dynamics and regulation of rapid cell division during Plasmodium male gamete formation"** with the overall supervision by Prof. Rita Tewari.

The research will primarily investigate parasite cell division during transmission stages using conditional gene modulation through CRISPR-Cas9, AID and Dicer and in depth cell biology approaches to analyse functional data. This is to investigate divergent protein kinases and novel protein in parasite biology.

	Main responsibilities (Primary accountabilities and responsibilities expected to fulfil the role)	% time per year
1	<ul style="list-style-type: none"> To plan and conduct research using recognised approaches, methodologies and techniques within the research area and support the development of research objectives and proposals for own and/or collaborative research area. 	60%
2	<ul style="list-style-type: none"> To build internal and/or external contacts to develop knowledge and understanding, forming relationships for future collaborations. Meeting and liaising with senior technician on parasite, mouse and mosquito material and data management. 	15%
3	<ul style="list-style-type: none"> Training undergraduate and postgraduate researcher and general laboratory house and record keeping. 	10%
4	<ul style="list-style-type: none"> To plan and manage own research activity and resolve problems, if required, in meeting own/team research objectives and deadlines in collaboration with others. 	7.5%
5	<ul style="list-style-type: none"> Contributes to the dissemination of research through the preparation of manuscripts and maintains strong awareness of relevant scientific literature. Any other duties appropriate to the role and level 	7.5%

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Person specification

	Essential	Desirable
Skills	<ul style="list-style-type: none"> ▪ Excellent Oral and written communication skills, including the ability to communicate with clarity on complex information. ▪ Developing research skills, with the ability to creatively apply relevant research approaches, models, techniques and methods ▪ Ability to contribute to method improvement. ▪ Analytical ability to facilitate conceptual thinking, innovation and creativity. Good grasp of literature ▪ Ability to build relationships and collaborate with others, internally and externally. ▪ High analytical ability to analyse and illuminate data, interprets reports, evaluate and criticise texts and bring new insights 	<ul style="list-style-type: none"> ▪ Ability to assess and organise resource requirements and deploy effectively. ▪ Ability to foster a research culture and commitment to learn in others. ▪ Developing research skills, with the ability to creatively apply relevant research approaches, models, techniques and methods.
Knowledge and experience	<ul style="list-style-type: none"> ▪ Evidence of sufficient breadth or depth of research methodologies and techniques to work in research area. ▪ Some practical experience of applying the specialist skills approaches and techniques required for the role. ▪ Evidence of using research methodologies and techniques to work within research area (cell biology and proteomics). ▪ Understanding of and ability to undertake molecular cloning and imaging techniques and well aware of working with confocal and light microscopy 	<ul style="list-style-type: none"> ▪ Experience of developing new approaches, models, techniques or methods in research area. ▪ Experience with cutting edge microscopy techniques like expansion, STED or SIM imaging techniques
Qualifications, certification and training (relevant to role)	<ul style="list-style-type: none"> ▪ PhD (or close to completion) 	
Statutory, legal or special requirements		



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



