



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 a BBSRC grant project funded by UKRI Frontier Science entitled "**Meiosis in *Plasmodium*: how does it work?**" with the overall supervision by Dr David Guttery and Prof. Rita Tewari.

The research will primarily investigate parasite meiosis during transmission stages using conditional gene modulation through promoter swap, CRISPR-Cas9, AID and DiCre and in-depth cell biology approaches to analyse functional data. This is to investigate how conserved meiotic genes regulate parasite development in the mosquito.

	Main responsibilities (Primary accountabilities and responsibilities expected to fulfil the role)	% time per year
1	<ul style="list-style-type: none"> Use a range of molecular and cell biology techniques, with emphasis on confocal, expansion and immunofluorescence, imaging and cell biology 	60%
2	<ul style="list-style-type: none"> Meeting and liaising with the senior technician on parasite material and data management 	15%
3	<ul style="list-style-type: none"> Training undergrad and post grad researchers and general laboratory house and record keeping 	10%
4	<ul style="list-style-type: none"> Dissemination of research through preparation of manuscripts and aware of relevant literature 	10%
5	<ul style="list-style-type: none"> Any other duties appropriate to the role and level 	5%

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. ▪ Ability to build relationships and collaborate with others, internally and externally. 	<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. ▪ High analytical ability to analyse and illuminate data, interpret reports, evaluate and criticise texts and bring new insights.
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 ▪ 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 including 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



