

**UNIVERSITY OF NOTTINGHAM
RECRUITMENT ROLE PROFILE FORM**

Job Title: Research Associate/Fellow

School/Department: School of Life Sciences

Salary: £25,769 to £30,738 (minimum with PhD £28,982) per annum depending on skills and experience.

Job Family: Research & Teaching

Contract Status: Fixed Term

Hours of Work: 36.25 hours per week (Full time)

Location: School of Life Sciences, The Medical School

Reporting to: Prof. Rita Tewari

The Purpose of the New Role:

To investigate and perform research to disseminate findings on a project funded by the MRC entitled "Functional dissection of Condensin and Cohesin in atypical mitosis and meiosis in Plasmodium" with the supervision of Prof. Rita Tewari.

The research will involve gene targeting using the malaria parasite, manipulating parasite development in the host and mosquito vector, yeast complementation and mostly cell biology and proteomics approaches to decipher protein –protein interaction to study protein complexes involved in parasite cell division.

Main Responsibilities:

	Main Responsibilities	% time per year
1.	Use a range of molecular parasitology techniques especially for cell biology, with extra emphasis on proteomics and analysing large data sets (eg RNA seq, Hi-C), with the aim of understanding the role of cell cycle/cell division proteins and the interacting partners.	70%
2.	Meeting and liaising with collaborators on the project with Dr Tony Holder's lab at Crick Institute and Prof Hiro Yamano at UCL London.	10%
3.	Assistance with training of undergrad and postgrad researchers and general laboratory house keeping	10%
4.	Dissemination of the research through preparation of manuscripts. Reading relevant scientific literature.	10%
5.	Any other duties appropriate to the role and level.	

Knowledge, Skills, Qualifications & Experience:

	Essential	Desirable
Qualifications/ Education	<ul style="list-style-type: none"> PhD or equivalent (awarded or pending) in relevant subject area – molecular parasitology, yeast biology, biochemistry, cell biology, microbiology, genetics etc 	
Knowledge/Skills /Training	<ul style="list-style-type: none"> Knowledge of: Protein biochemistry, Protein Expression and Cell biology techniques Proven ability to perform independent research 	<ul style="list-style-type: none"> A good understanding of any or all of the techniques below *Cell Biology *Microbiology

	<ul style="list-style-type: none"> • Proteomics (Protein Interaction) • Knowledge of bioinformatics tools 	*omics
Experience	<ul style="list-style-type: none"> • Relevant research experience in molecular parasitology or yeast biology 	<ul style="list-style-type: none"> • Substantial molecular biology-related research experience
Other	<ul style="list-style-type: none"> • Good organisational skills • Good verbal and written communication skills • Excellent interpersonal skills • Highly motivated and enthusiastic 	<ul style="list-style-type: none"> • Home Office Licence

Decision Making

i) taken independently by the role holder;

Good Time management and planning day-to-day activities to fit in with the requirements of the project. Independent thinking and generation of new ideas related to the research. Appropriate level of consultation with supervisor Professor Rita Tewari

ii) taken in collaboration with others;

Supervising the research of undergraduate and postgraduate researchers.

iii) Referred to the appropriate line manager by the role holder

All other decisions would be referred to the supervisor Professor Rita Tewari

Scope of the Role

The role will be based within Prof Rita Tewari's research group and will be primarily responsible for performing the research on a project funded by the MRC. This project is essential is to understand the proteins involved in cell cycle and atypical cell division in malaria parasite.

Additional Information

Due to the requirements of the UK Border and Immigration Agency, applicants who are not UK or EEA nationals and whose immigration status entitles them to work without restriction in the UK will be considered on an equal basis with UK and EEA nationals. Other non-UK or non-EEA nationals whose employment will require permission to work subject to a resident labour market test may only be considered if there are no suitable UK or EEA national candidates for the post. Please visit <http://www.ukba.homeoffice.gov.uk/> for more information.

Informal enquiries may be addressed to Prof R Tewari, email: rita.tewari@nottingham.ac.uk Please note that applications sent directly to these email addresses will not be accepted. Additional information on Rita Tewari's research is available at: <http://www.nottingham.ac.uk/biology/contacts/tewari/research.php>, <http://www.tewarilab.co.uk/>.