

THE UNIVERSITY OF NOTTINGHAM
RECRUITMENT ROLE PROFILE

Job Title: Research Associate/Fellow

School/Department: School of Life Sciences

Job Family and Level: Research & Teaching Level 4 Career Training Grade / Level 4

Contract Status: Fixed term until 30th September 2019

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

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	% 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 the 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 housekeeping.	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	PhD or equivalent (awarded or pending) in relevant subject area – molecular parasitology, yeast biology, biochemistry, cell biology, microbiology, genetics etc	

Knowledge/Skills /Training	Knowledge of: Protein biochemistry, Protein Expression and cell biology techniques Proven ability to perform independent research Proteomics (protein interaction) Knowledge of bioinformatics	.A good understanding of any or all of the techniques: Celli Biology Microbiology
Experience	Relevant research experience in molecular parasitology or yeast biology	Substantial molecular biology-related research experience
Other	Good organisational skills Good verbal and written communication skills Excellent interpersonal skills Highly motivated and enthusiastic	

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/>.