

Job title	Research Fellow	Job family and level	Research & Teaching Level 4
School/ Department	School of Veterinary Medicine and Science	Location	Sutton Bonington Campus

Purpose of role

The post is to fulfil the initial objectives of a Medical Research Council Confidence in Concept award to demonstrate the broad-spectrum activity of two novel synthetic analogues (AG99 and AG184) of a glycolipid derived from an edible plant species that inhibit eIF4A and thus viral protein synthesis. Viruses from three different viral families will be used as exemplars: *Flaviviridae* (Zika virus), *Orthomyxoviridae* (influenza viruses) and *Coronaviridae* (which includes SARS-CoV-2). This is a short-term project (funded for 6 months), with the second objectives of demonstrating *in vivo* activity of the compounds being dependent on the initial data, therefore it is important that the post holder is able to make rapid progress.

	Main responsibilities (Primary accountabilities and responsibilities expected to fulfil the role)	% time per year
1	Research activities <ul style="list-style-type: none"> ▪ To conduct detailed and effective research at the highest level in accordance with the aims and objectives of the projects ▪ Communicate findings (both verbal and written) with the research team, project partners and collaborators as required by the group leader ▪ Participate in writing of peer reviewed journal articles of international quality ▪ Contribute to writing grants for additional funding ▪ Contribute to preparation of seminar and/or international conferences 	85%
2	Administrative/general <ul style="list-style-type: none"> ▪ To contribute positively to the operation of the research group and facilities, supporting PGR and UG students. Any administrative duties appropriate to the grade and role in support of the administration of the School ▪ Contribute to School marketing and recruitment activities (including outreach, open days and admissions). 	10%
3	Other <ul style="list-style-type: none"> ▪ To update professional skills as required by the group leader in support of research excellence 	5%

Person specification

	Essential	Desirable
Skills	<ul style="list-style-type: none"> ▪ Excellent communication and interpersonal skills ▪ Ability to work effectively as part of a team ▪ Excellent time management skills and ability to manage own workload ▪ Good IT skills, including knowledge of Microsoft Office, Excel and statistical packages ▪ Ability to work to deadlines and prioritise tasks; manage diverse and multiple data sets: impeccable record keeping 	<ul style="list-style-type: none"> ▪ Experience supporting undergraduate and postgraduate research student projects ▪ An ability to engage positively with a range of stakeholders
Knowledge and experience	<ul style="list-style-type: none"> ▪ Trained and well experienced in culture of a variety of mammalian cell lines and virus infectivity assays (e.g. 50% tissue culture infectious dose, plaque assay) ▪ Trained and well experienced in basic viral molecular biology methods: RNA extraction, reverse transcription-PCR and sequencing ▪ Presentation of research talks/ seminars 	<ul style="list-style-type: none"> ▪ Experience handling specific viruses including Zika, influenza A virus or seasonal coronavirus
Qualifications, certification and training (relevant to role)	<ul style="list-style-type: none"> • PhD in a related topic • Previous postdoctoral experience involving the essential criteria 	<ul style="list-style-type: none"> ▪ First degree in relevant area such as molecular biology
Statutory/legal requirements	<ul style="list-style-type: none"> • Satisfactory basic disclosure obtained from the Disclosure and Barring Service. 	



The University of Nottingham is focused on embedding equality, diversity and inclusion in all that we do. As part of this, we welcome a diverse population to join our work force and therefore encourage applicants from all communities, particularly those with protected characteristics under the Equality Act 2010.

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 always equitable and fair and works with integrity. Proactively looks for ways to develop the team and is comfortable providing clarity by explaining the rationale behind decisions.
- Taking ownership** Is highly self-aware, looking for ways to improve, both taking on board and offering constructive feedback. Inspires others to take accountability for their own areas.
- Forward thinking** Driven to question the status quo and explore new ideas, supporting the team to "lead the way" in terms of know-how and learning.
- Professional pride** Sets the bar high with quality systems and control measures in place. Demands high standards of others identifying and addressing any gaps to enhance the overall performance.
- Always inclusive** Ensures accessibility to the wider community, actively encouraging inclusion and seeking to involve others. Ensures others always consider the wider context when sharing information making full use of networks and connections.

Key relationships with others

