



<b>Job title</b>	Research Associate/Fellow in Bacteriophage Biology	<b>Job family and level</b>	Research and Teaching Level 4 (Appointment will be Level 4 Career training grade where an appointment is made before PhD has been completed)
<b>School/ Department</b>	Veterinary Medicine and Science	<b>Location</b>	Sutton Bonington

## Purpose of role

The purpose of this role is to work on a BBSRC-funded collaborative project between the University of Nottingham and University of Leicester on the use of bacteriophage to control *Salmonella* infections in poultry. The appointee will work with an existing project team of two research fellows to scale up laboratory production of bacteriophage for therapeutic trials. They will also lead the analysis of genomic and metagenomic datasets as well as data of phage-host interactions. They will be responsible for writing up their work for publication in peer-reviewed journals as well as presenting results at national and international conferences. The appointee will have the opportunity to use their initiative and creativity to identify areas for research, develop research methods and extend their research portfolio.

	<b>Main responsibilities</b> (Primary accountabilities and responsibilities expected to fulfil the role)	<b>% time per year</b>
1	Development and optimisation of phage production scale-up processes, conducting bacteriophage therapy trials in poultry, analysis of bacteriophage and bacterial genome data, analysis of metagenomic data, analysis of phage-host interaction data.	70%
2	Making significant contributions to authoring articles for submission to peer-reviewed high impact academic journals.	10%
3	Preparation and delivery of reports and presentations of research findings to research collaborators and external organisations.	5%
4	To develop research objectives and proposals for own and/or collaborative research area.	5%
5	To build relationships with both internal and external contacts in order to exchange information, to form relationships for future collaborations and identify potential sources of funds and/or opportunities for collaboration.	5%
6	To provide support, guidance and supervision to other staff, where appropriate in own area of expertise.	5%

## Person specification

	Essential	Desirable
<b>Skills</b>	<ul style="list-style-type: none"> <li>▪ Evidence of significant input into bacteriophage and/or bacterial genomics publications.</li> <li>▪ Excellent oral and written communication skills, including the ability to communicate with clarity on complex information.</li> <li>▪ Ability to creatively apply relevant research approaches, models, techniques and methods.</li> <li>▪ Ability to assess and organise resource requirements and deploy effectively.</li> <li>▪ Ability to build relationships and collaborate with others, both internally and externally.</li> </ul>	<ul style="list-style-type: none"> <li>▪ Evidence of publishing different types of articles e.g. original research articles and review articles in high impact peer-reviewed journals.</li> </ul>
<b>Knowledge and experience</b>	<ul style="list-style-type: none"> <li>▪ Extensive experience of laboratory techniques used for the isolation and characterisation of bacteriophage.</li> <li>▪ Extensive experience of isolating and characterising veterinary bacterial pathogens at containment level 2 or higher.</li> <li>▪ Extensive experience of using Python or R for analysis of biological data, with a particular focus on bacterial or bacteriophage genomic data and/or metagenomic data.</li> <li>▪ Excellent knowledge of statistical techniques and their application in Python and/or R.</li> </ul>	<ul style="list-style-type: none"> <li>▪ Experience of using high throughput phenotypic screening methods for bacterial or bacteriophage characterization.</li> <li>▪ Experience of developing new approaches, models, techniques or methods in research area.</li> <li>▪ Experience of working with clinicians on the development of therapeutic applications.</li> <li>▪ Experience of working effectively with multidisciplinary teams involving government agencies and/or industrial collaborators.</li> </ul>
<b>Qualifications, certification and training (relevant to role)</b>	<ul style="list-style-type: none"> <li>▪ PhD in Microbiology or a closely-related field (awarded or thesis submitted).</li> <li>▪ UK Driving licence- site is remote and not accessible by public transport</li> </ul>	
<b>Statutory/legal requirements</b>	<ul style="list-style-type: none"> <li>▪ Satisfactory basic disclosure obtained from the Disclosure and Barring Service.</li> </ul>	



As part of this, we welcome a diverse population to join our work force and therefore encourage applicants from all communities, particularly those whose protected characteristics under the Equality Act 2010, are not well-represented in our current staff body.



The University is a signatory of the Declaration on Research Assessment (DORA). As such we commit to focus on the scientific content of publications (where requested or provided as part of the recruitment and selection process) as a basis for review of quality, and consideration of value and impact of research conducted, rather than any proxy measures such as Journal Impact Factor.

## 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

