



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

Purpose of role

The occupant of this role will deliver a specific grant; **Characterisation, dissemination and training for 'open source' Animal Friendly Affinity-reagents (AFAs) to replace the use of animals for antibody production.** They will also provide a role model that promotes a positive research culture.

	Main responsibilities (Primary accountabilities and responsibilities expected to fulfil the role)	% time per year
1	<p>Research and knowledge exchange</p> <ul style="list-style-type: none"> ▪ Characterisation of phage display antibody libraries representing those that are most technologically mature, sufficiently diverse, reliable and compatible with a wide range of analysis techniques. Perform affinity maturation techniques against specific targets to improve binding characteristics of antibody selections. Assist in developing / delivering training programmes (including material and protocols) for dissemination to end users of phage display technology. ▪ To keep up to date with the latest technologies. ▪ To prepare and present progress reports, contribute to scientific publications ▪ To work with collaborators on joint research projects. 	90%
2	<p>Administrative/general</p> <ul style="list-style-type: none"> • To actively contribute to group meetings by e.g. problem solving, suggestions, etc., to contribute to lab organisation and upkeep, and any other relevant work suitable to the grade • Undertake CPD 	10%

Person specification

	Essential	Desirable
Skills	<ul style="list-style-type: none"> - Molecular biology - Excellent skills in recombinant DNA technologies - Excellent troubleshooting abilities - Good communication skills - Excellent IT, organisational and record keeping skills - Dynamic, proactive and dedicated approach. - Flexible, independent working integrity - Ability to work to deadlines, prioritise tasks and maintain focus 	<ul style="list-style-type: none"> - Phage display library development and/or selection of binders from phage display libraries ('panning') - site directed mutagenesis - General microbiology - Cell culture
Knowledge and experience	<ul style="list-style-type: none"> - Post-doctoral experience in molecular biology: - Transfection - Range of PCR techniques - Recombinant DNA technologies - Knowledge of antibody production and replacement technologies 	<ul style="list-style-type: none"> - relevant publications in high impact journals - site directed mutagenesis - DNA library production - phage display technology
Qualifications, certification and training (relevant to role)	<ul style="list-style-type: none"> - PhD awarded in molecular biology, protein/peptide engineering or related disciplines 	<ul style="list-style-type: none"> - Relevant post-doctoral experience in an industrial or academic laboratory setting
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

Reporting to Group leader: Prof Kevin Gough

