



Job title	Research Fellow (Title will be 'Research Associate' where an appointment is made before PhD is completed)	Job family and level	Research & Teaching Level 4 (Appointment will be Level 4 Career Training Grade where an appointment is made before PhD has been completed)
School/ Department	School of Veterinary Medicine and Science	Location	Sutton Bonington campus

Purpose of role

The occupant of this role will take a key role in delivery of ongoing funded research on precision livestock health and technologies led by Professor Jasmeet Kaler. The focus of the role will be to utilise multiple large datasets and sensor technologies to develop predictive models of key aspects of dairy cow and calf health outcomes, performance and welfare. The successful applicant would be expected to participate in areas of research including publication, grant writing, supervision of students as well cover teaching and assessments as required.

	Main responsibilities (Primary accountabilities and responsibilities expected to fulfil the role)	% time per year
1	Research activities <ul style="list-style-type: none"> ▪ To work with research team in ongoing data collection activities using sensor and camera technologies ▪ To collate utilise datasets and sensor technologies to develop predictive models of key aspects of calf and cow health, production and welfare ▪ To develop self-learning machine learning algorithms for range of health and welfare outcomes and evaluate their predictive performance ▪ Perform other data analysis and programming tasks as required ▪ Take a key role in writing peer reviewed publications ▪ Contribute to writing grants for additional funding in area precision livestock technologies 	80%
2	Other <ul style="list-style-type: none"> ▪ Maintain and improve the profile of the group by presenting relevant material at local, national and/or international conferences ▪ Appropriate knowledge exchange activities related with ongoing research in the group 	10%
3	Administrative/Teaching <ul style="list-style-type: none"> ▪ 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). ▪ Cover teaching and assessments as required by the line manager/school ▪ Help supervise undergraduate research projects as required 	10%

Person specification

	Essential	Desirable
Skills	<ul style="list-style-type: none"> ▪ Ability to collate and manipulate large datasets ▪ Advanced Data analytic skills using R, Matlab or Python ▪ Ability to undertake day-to-day management of a significant research project ▪ Ability to work both independently and in a team 	<ul style="list-style-type: none"> ▪ Willing to assist staff and students as required
Knowledge and experience	<ul style="list-style-type: none"> ▪ Knowledge of precision livestock sector and research ▪ Track record of publishing high quality publications ▪ Experience working with various sensor technologies 	<ul style="list-style-type: none"> ▪ Experience of teaching ▪ Experience of supervision
Qualifications, certification and training (relevant to role)	<ul style="list-style-type: none"> ▪ PhD (or close to submission) related to Veterinary or Agricultural science or related area 	<ul style="list-style-type: none"> ▪ Further postgraduate qualifications relating to data science, epidemiology, or statistics
Statutory, legal or special requirements	<ul style="list-style-type: none"> ▪ Satisfactory standard disclosure obtained from the Disclosure and Barring Service. 	



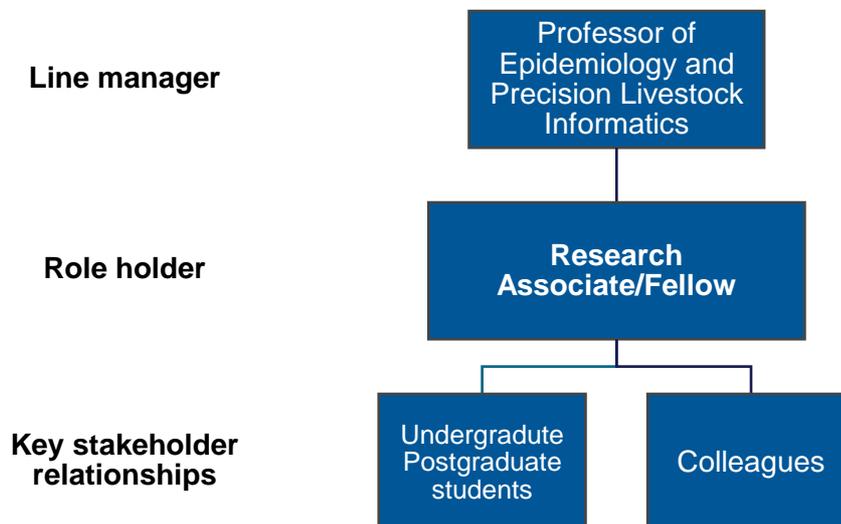
The University of Nottingham is focused on embedding equality, diversity and inclusion in all that we do. As part of this, we welcome a diverse population to join our work force and therefore encourage applicants from all communities, particularly those with protected characteristics under the Equality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



The School of Veterinary Medicine and Science:

It is our intent to make significant leading contributions to both veterinary research and teaching within the context of valid relevance and application to the wider veterinary profession. Research is central to the activities of the School, both in terms of maintaining ourselves at the forefront of national and international efforts in veterinary medicine but also as an integral part of the training and education for undergraduate and postgraduate students.

Research is central to the activities of the School of Veterinary Medicine and Science at the University of Nottingham. In the 2014 Research Excellence Framework assessment, 97% of work submitted by the Schools of Veterinary Medicine and Science and Biosciences was judged to be of international quality, and 37% of work as world-leading (4-star). Research environment was ranked top of all institutions within our Unit of Assessment (Agriculture, Veterinary and Food Science).

Further information about the School of Veterinary Medicine and Science is available at <http://www.nottingham.ac.uk/vet/index.aspx>