

Rosie Reyneke

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Biography:

I graduated from the University of Edinburgh as a veterinary surgeon in 2009, having attained a BSc(VetSci) in Physiology in 2007, also from Edinburgh. I then spent 6 years in mixed, predominantly dairy, practice - initially in the UK and then in New Zealand. In 2015 I moved into the pharmaceutical industry as a veterinary technical advisor (ruminants) and spent a further 3 years in New Zealand before moving back to the UK in 2018. I joined the University of Nottingham School of Veterinary Medicine and Science as a Teaching Associate in 2020. In 2021 I was awarded 4 years funding through the BBSRC Doctoral Training Partnership CASE conversion studentship and MSD Animal Health.

Degree registration:

PhD, due for completion in September 2025

School research theme:

Ruminant Population Health

Research topic:

Developing Frameworks for Implementation of Preventive Medicine Practices in Production Animal Settings

Summary of research:

Many of the animal health challenges faced on production animal farms are preventable. Decades of research have provided a wide range of proven, evidence-based practices to reduce the prevalence of preventable disease, and yet both vets and farmers struggle to ensure these practices are implemented on farm. This is a pattern not just confined to veterinary medicine and has been well recognized as a challenge in human healthcare too. This led to the emergence of the field of 'implementation science' - which uses specific strategies to promote uptake of evidence-based practices. My project seeks to test the application of existing implementation science approaches on farm, working with vets and farmers to understand the barriers and facilitators to adoption of preventive practices and using these to guide implementation. Based on these learnings, we aim to

develop a bespoke veterinary-specific implementation framework to facilitate uptake of preventive practices on farm.

Research supervisors:

Dr Marnie Brennan, Dr Heather Buchanan, Dr Imogen Richens, Dr Bethan Davies

Primary funding source:

BBSRC and MSD Animal Health

Publications:

Zuffa T., Durel L., Hraska V., Svitacova D., Reyneke R. and Stastny P. (2019) Immune Response and Efficacy of a New Calf Scour Vaccine Injected Once during the last Trimester of Gestation. *Concepts of Dairy and Veterinary Sciences*, 3:1 266-271. DOI: 10.32474/CDVS.2019.03.000153