



UNIVERSITY OF  
LIVERPOOL

## Farm Animal Clinical PhD at the University of Liverpool

Institute of Infection, Veterinary and Ecological Sciences

### **Preventing contagious ovine digital dermatitis: Characterisation of bacterial pathogens and development of disease control measures in sheep.**

- Biotechnology and Biological Sciences Research Council (BBSRC) PhD funded for 4 years.
- This full funded PhD will cover tuition fees, a Research Training and Support Grant (RTSG) and a UKRI annual stipend .
- UK and international candidates are welcome to apply
- Closing date 8<sup>th</sup> July 2022
- Informal enquiries are very welcome, please contact [jsduncan@liverpool.ac.uk](mailto:jsduncan@liverpool.ac.uk)

#### **Project Details**

The aim of this project is to inform and devise effective control methods for prevention of between and within farm transmission of CODD. This will be achieved through molecular characterisation of the key bacterial pathogens and microbiome analysis. The project will also involve designing and implementing a series on farm clinical trials to test therapeutic interventions. The student will gain experience with molecular biologists, pathologists, epidemiologists and veterinary surgeons and develop skills in the laboratory, in bio-informatics and on farm research. This diverse project will provide the student with the opportunity not only to understand disease processes at the molecular level but also apply that knowledge to devise and implement practical solutions. The project is also supported by an industry partner and training will also be provided in relevant aspects

#### **Full details and application process**

<https://www.findaphd.com/phds/project/preventing-contagious-ovine-digital-dermatitis-characterisation-of-bacterial-pathogens-and-development-of-disease-control-measures-to-prevent-transmission-in-sheep/?p137639>.