



## Diagnosis, Epidemiology and Vaccine Development of Infectious Diseases in Small Ruminants

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### Message from the Guest Editors

Dear Colleagues,

The small ruminant industry is important position for national economies in Australia, the UK and many countries in Africa and Asia, which have many indigenous breeds. With the rapid development of intensive sheep/goat raising, frequent allocation and transportation, and poor disease control strategies in farms, infectious diseases are becoming a challenge to the health of domesticated and wild small ruminants. Traditional infectious diseases, such as colibacillosis, pasteurellosis, clostridium disease, contagious caprine pleuropneumonia, sheep/goat pox, and contagious ecthyma, cause large economic losses annually. Several emerging or re-emerging pathogens, including peste des petits ruminants virus (PPRV), bluetongue virus (BTV), border disease virus (BDV) and parainfluenza virus type 3 (PIV3), continue to spread, reaching regions previously not infected or reported. To better prevent and control these diseases, it is necessary to elucidate their epidemic characteristics and develop novel diagnostic methods and vaccines.





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