

Special Issue

Bovine Viral Diarrhea virus

Message from the Guest Editor

Bovine viral diarrhea virus (BVDV) remains a significant concern for cattle industry, food supply and agricultural economy world-wide. BVDV has also served as an excellent model for understanding mechanisms in RNA-virus biology, transplacental virus infection, and host responses to persistent virus infection, and the interphase of all of these aspects and more. However, there remains so many questions to be addressed in exactly those very same areas, including the conditions, at both the cellular and organismic level, that are conducive to events leading to the biotype-switch from a non-cytopathic to a cytopathic virus, the discrepancies between in vitro and in vivo results for interferon induction by and effect on BVDV and the animal as a whole, and the characterization of the state of “tolerance” in persistently infected animals—to mention just a few. The Special Issue focus on biology of BVDV, virus–host interactions leading to different clinical outcomes, mechanisms of viral persistence, recombination events leading to biotype change of these viruses and developments in vaccine development and other control mechanisms.

Guest Editor

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Message from the Editor-in-Chief

The worldwide impact of infectious disease is incalculable. The consequences for human health in terms of morbidity and mortality are obvious and vast but, when infections of animals and plants are also taken into account, it is hard to imagine any other disease that has such a significant impact on our lives—on healthcare systems, on agriculture and on world economics.

Pathogens is proud to continue to serve the international community by publishing high quality studies that further our understanding of infection and have meaningful consequences for disease intervention.

Editor-in-Chief

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