



an Open Access Journal by MDPI

## Bovine Viral Diarrhea virus

Guest Editor:

### Dr. Helle Bielefeldt-Ohmann

1. Infectious Diseases Research Centre, The University of Queensland, St. Lucia, QLD 4072, Australia

2. School of Chemistry and Molecular Biosciences, The University of Queensland, St. Lucia, QLD 4072, Australia

3. School of Veterinary Medicine, The University of Queensland, Gatton Campus, Gatton, QLD 4343, Australia

Deadline for manuscript submissions:

**closed (30 November 2017)**

### 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.



[mdpi.com/si/10089](https://mdpi.com/si/10089)

# Special Issue



an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Hinh Ly

Department of Veterinary &  
Biomedical Sciences, University  
of Minnesota, Twin Cities, MN,  
USA

## 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.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, PubAg, CaPlus / SciFinder, AGRIS, and other databases.

**Journal Rank:** JCR - Q2 (*Microbiology*) / CiteScore - Q2 (*General Immunology and Microbiology*)

## Contact Us

---

Pathogens Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/pathogens](http://mdpi.com/journal/pathogens)  
[pathogens@mdpi.com](mailto:pathogens@mdpi.com)  
[X@Pathogens\\_MDPI](https://twitter.com/Pathogens_MDPI)