

Topical Collection

Bovine Leukemia Virus Infection

Message from the Collection Editors

Enzootic bovine leukosis caused by the bovine leukemia virus (BLV) has been eradicated in over 20 countries, most of which are in Western Europe. In the last several years there have been major changes in our understanding of BLV epidemiology and major advancements in diagnosis and disease control methods. The purpose of this Topical Collection is to highlight these recent developments. BLV DNA has reportedly been associated with human mammary cancer, re-opening public health concerns which were once considered resolved many decades ago. All these developments have spurred an increased interest in controlling BLV in cattle. Recent development of qPCR tests to measure BLV proviral load are showing some application in reducing transmission by identifying the most infectious cattle for segregation or culling. Researchers actively engaged in studying BLV epidemiology, immunology, molecular biology, virology, pathology, etc. are enthusiastically encouraged to submit their works to this Topical Collection.

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About the Journal

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

Prof. Dr. Hinh Ly

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