



Bunyavirus

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Message from the Guest Editor

The order of Bunyvirales is a fast growing order of negative stranded-segmented RNA viruses with an enormous host range, including nearly all kinds of vertebrates, as well as invertebrate animals and plants. Most Bunyaviruses are transmitted by either rodents or arthropods, to other vertebrate animals. Because of this, it is generally agreed to separate Bunyaviruses into arthropod-borne and rodent-borne. Arthropod-borne Bunyaviruses include, for example, the mosquito-transmitted Orthobunyaviruses, the sandfly-transmitted Phleboviruses, or the tick-transmitted Nairoviruses. On the other side, Hantaviruses represent the rodent-transmitted Bunyaviruses. Except for Hantaviruses, most Bunyaviruses have amplification cycles in invertebrate and vertebrate hosts, and are associated with disease in humans or livestock.

Potential topics include, but are not limited to, the following:

- Transmission barriers for vector-borne *Bunyavirus* transmission
- Pathogenic mechanisms in vectors and hosts
- Virus reassortment and genetic diversity
- Discovery of novel *Bunyaviruses*





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Editor-in-Chief

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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.

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