

Special Issue

Pathogen-Host Interactions in Viral Infections

Message from the Guest Editors

Virus–host interactions are processes that occur during infections when both parties respond to each other at the cellular and molecular level.

Since viruses rely on their host cells for the biochemical and metabolic pathways used in genome replication and particle assembly, they have adopted a myriad of different strategies for exploiting the host resources and –at the same time–evading, escaping or manipulating host immune defenses.

Pathogens is launching a Special Issue devoted to host–pathogen interactions during viral infections, focusing on respiratory and blood-borne viruses. Both original research and review articles are welcomed. This issue aims to cover the wide spectrum of virus–host interactions, including topics such as profiling of immunological responses in viral infections and vaccinations, antiviral drug resistance, transcriptomic signatures, virus versus host genomics (e.g., HLA typing), biomarkers, diverse clinical manifestations as a result of infections from different viral genotypes, intra-host variability (quasispecies), and viral immune evasion.

Guest Editors

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Deadline for manuscript submissions

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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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