

## Special Issue

# Virus–Host Cell Interactions and Research of New Antivirals

### Message from the Guest Editors

Viral infections pose a constant threat to global health security, whether due to their wide distribution, ease of transmission, and difficult control strategies, associated with the resistance demonstrated by certain viral strains. The restricted number of viruses and, consequently, of viral diseases controlled/treatable by antivirals is notorious. The difficulty in research and development of new antiviral molecules comes up against the specific characteristics of viruses with an extremely simple structure and intracellular replication, making selectivity in infected cells difficult, in addition to dependence on the host's response. In addition to these factors, there are laboratory limitations for handling viruses in in vitro and in vivo models. Understanding the mechanisms of virus–host cell interaction and strategies to control viral infections, aiming at the development of new molecules and/or antivirals, is extremely important. Thus, review manuscripts and research articles encompassing the proposed topics are very welcome in this Special Issue.

### Guest Editors

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### Deadline for manuscript submissions

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## Pathogens

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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.

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### Editor-in-Chief

Prof. Dr. Hinh Ly

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