

## Special Issue

# Pathogenesis, Treatment and Prevention of Respiratory Viral Infections

### Message from the Guest Editors

Acute respiratory infections and pneumonia are important causes of hospitalizations and mortality in children and adults and approximately one-third of cases are associated with viral infections. Therefore understanding the pathogenesis of influenza, SARS-CoV-2, respiratory syncytial virus (RSV) and other respiratory viruses is important to public health as well as the development of better vaccines and effective treatment strategies. Understanding these mechanisms of pathogenesis continues to be the basis for the development of new therapies and vaccines, the field of which has expanded significantly in the last decade and even more rapidly during the SARS-CoV-2 pandemic. Here we propose to comprehensively review the basic virology, the pathogenesis of the disease, epidemiology, and current methods of treatment and prevention for respiratory viruses which cause acute illnesses and carry a risk of severe outcomes in pediatric and adult populations.

### Guest Editors

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### Deadline for manuscript submissions

closed (25 September 2023)



## 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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