

## Special Issue

# Poxvirus-Driven Insights into Virus and Host Biology

### Message from the Guest Editors

Poxviruses are a diverse family of DNA viruses that can infect both vertebrates and arthropods. They have been responsible for some of the deadliest pandemics of the past, and some species remain substantial threats to both human and animal health. This threat arises in part because poxviruses fill a variety of ecological niches, from viruses that infect a single species to viruses with the ability to infect an astonishingly broad range of hosts, e.g., cowpox virus. Poxviruses have been instrumental in gaining fundamental insights into basic molecular biology, host–virus interactions, and evolution. This understating of host and virus biology has enabled the use of poxviruses for therapeutic purposes, including cancer therapy and vaccine vectors. This Special Issue on poxviruses will provide a comprehensive overview of basic and translational advances in the field in the form of review and original research articles on topics including but not limited to basic poxvirus biology, host–virus interactions, mechanisms of viral evolution, poxvirus-vectorized therapeutic approaches, and characterization of novel poxviruses.

### Guest Editors

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### Deadline for manuscript submissions

closed (15 January 2023)



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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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