

## Special Issue

# Highly Pathogenic Avian Influenza Virus Emergence

### Message from the Guest Editor

Highly pathogenic avian influenza virus (HPAIV) outbreaks have resulted in billions of poultry deaths through the culling of infected or potentially exposed poultry. HPAIVs emerge from low pathogenic avian influenza viruses (LPAIVs) upon transmission from wild waterfowl to terrestrial poultry. They constitute the only lineage of HPAIV that has become endemic in poultry and is circulating in wild birds in many countries of the world. Besides these devastating consequences on animal welfare and the poultry industry, spill-over events of HPAIVs to humans pose a continuous pandemic threat. Understanding the main drivers of HPAIV emergence is critical for the design and implementation of strategies to mitigate their impact on animal species. The scope of this Special Issue is to gather articles (research articles, short communications, reviews, and commentaries) on the viral, host, and environmental factors that drive HPAIV emergence, regarding both the transition from LPAIV to HPAIV as well as HPAIV emergence, natural selection, and establishment in different animal species.

### Guest Editor

Dr. Mathilde Richard

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### Deadline for manuscript submissions

closed (31 May 2022)



## Viruses

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## About the Journal

### Message from the Editor-in-Chief

*Viruses* (ISSN 1999-4915) is an open access journal which provides an advanced forum for studies of viruses. It publishes reviews, regular research papers, communications, conference reports and short notes. Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the length of the papers. The full experimental details must be provided so that the results can be reproduced. We also encourage the publication of timely reviews and commentaries on topics of interest to the virology community and feature highlights from the virology literature in the 'News and Views' section.

Electronic files or software regarding the full details of the calculation and experimental procedure, if unable to be published in a normal way, can be deposited as supplementary material.

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### Editor-in-Chief

Dr. Eric O. Freed

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#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.6 days after submission; acceptance to publication is undertaken in 2.5 days (median values for papers published in this journal in the first half of 2025).