

## Special Issue

# Pathogenesis of Human and Animal Coronaviruses

### Message from the Guest Editor

Coronaviruses are pathogens of humans and animals of agricultural and veterinary importance. Prior to 2003, a number of coronaviruses were known to cause severe diseases in animals, whilst human coronaviruses were typically associated with mild respiratory illnesses. This changed with the zoonotic transmission of the potentially fatal severe acute respiratory syndrome coronavirus (SARS-CoV) and Middle East respiratory syndrome coronavirus (MERS-CoV) to humans. Moreover, the emergence of swine acute diarrhoea syndrome coronavirus (SADS-CoV) and currently, a novel human coronavirus (2019-nCoV) in China, that has resulted in fatalities, highlights the risks of highly pathogenic coronaviruses to human and animal health. Coronavirus pathogenesis is understudied, but must be comprehensively understood if coronavirus infections are to be prevented and managed. This Special Issue seeks all types of manuscripts on coronavirus-host interactions that lead to highly pathogenic infections of human and animals.

### Guest Editor

Dr. Andrew Davidson

School of Cellular and Molecular Medicine, University of Bristol, Bristol BS8 1TD, UK

### Deadline for manuscript submissions

closed (31 December 2020)



## Viruses

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*Viruses*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[viruses@mdpi.com](mailto:viruses@mdpi.com)

[mdpi.com/journal/](https://mdpi.com/journal/)

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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

HIV Dynamics and Replication Program, Center for Cancer Research,  
National Cancer Institute, Frederick, MD 21702-1201, USA

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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).