



viruses



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Animal Virus Discovery and Genetic Diversity

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Viruses are the most abundant and diverse biological entities on earth. Recent advances in metagenomic sequencing have ushered in a “golden age” of virus discovery, vastly expanding our understanding of the global virome. Yet the majority of investigations into animal virus diversity have focused on relatively few animal species and it is likely that the vast majority of viral diversity in animals remains uncharacterized. Viral genetic diversity exerts great practical importance by facilitating adaptation to new hosts and environments as well as the evasion of host immune responses and anti-viral therapeutics. Recently, the COVID-19 pandemic has also bluntly highlighted that certain viruses within the spectrum of animal virus diversity can have massive importance as zoonotic agents. For this Special Issue, we invite the submission of original research and review articles that investigate the importance of animal virus genetic diversity at all levels: in individual hosts, within populations, and within ecosystems. Also welcome are articles that identify and characterize novel animal viruses of potential importance.

Dr. Ryan Troyer

Guest Editor



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Special Issue



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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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