



viruses



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Animal Virus Discovery and Genetic Diversity

Guest Editor:

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Deadline for manuscript submissions:

closed (30 April 2025)

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



mdpi.com/si/190279

Special Issue



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Message from the Editor-in-Chief

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