



Pathogenic RNA Viruses: Mechanisms of Viral Replication, Viral–Host Interactions and Antiviral Development

Guest Editor:

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Message from the Guest Editor

Understanding the detailed molecular mechanisms behind RNA virus replication and the virus–host interactions is crucial for developing more effective antiviral strategies to prevent the devastating consequences of highly pathogenic RNA virus infections. In addition, RNA-virus-derived biologics could also have great potential in biotechnology and therapeutic development. This Special Issue focuses on recent advances in all aspects of RNA viruses and RNA virus infections. Authors are invited to submit their original research/review articles to *Biomedicines* on topics including, but not limited to, the following:

- Molecular mechanisms of viral replication;
- Viral particle assembly and viral RNA packaging;
- Structural and functional studies of non-coding RNAs in the viral RNA genome;
- Interplay between host cell and RNA virus, such as host antiviral responses and viral immune evasion;
- Vaccine and antiviral therapeutic developments;
- In vitro assembly of virus-like particles (VLP) and their applications.





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Message from the Editor-in-Chief

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