

## Special Issue

# Genetic and Epigenetic Regulation of Virus–Host Interaction

### Message from the Guest Editor

This Special Issue will delve into the dynamic interplay between viruses and host cells, focusing on the crucial roles that genetic and epigenetic mechanisms play in viral replication and immune evasion. As research progresses, we increasingly recognize the importance of host gene expression and regulation in the viral lifecycle. The issue will explore how changes in the host epigenome facilitate viral strategies for immune evasion and the role of host genetic factors in susceptibility to infections. Key topics will include viral manipulation of the host epigenetic landscape for replication and the post-translational modifications of proteins involved in antiviral defenses. We invite original research, reviews, and perspectives from virologists, epigeneticists, and molecular biologists to advance our understanding in this field. By elucidating these regulatory mechanisms, we aim to uncover novel strategies for antiviral drug development and disease management. We look forward to your valuable submissions.

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### Guest Editor

Prof. Dr. Litao Sun

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### Deadline for manuscript submissions

1 October 2026



## Viruses

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## About the Journal

### Message from the Editor-in-Chief

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### Editor-in-Chief

Dr. Eric O. Freed

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