

Special Issue

Genome and Molecular Biology of Viruses

Message from the Guest Editors

Viruses play important roles in various biological processes and have profound impacts on health, agricultural production, and the ecological environment. Understanding their molecular biology and genomic structures is crucial for developing effective treatments and preventive measures against viral diseases. This Special Issue aims to explore the molecular mechanisms regulating viral replication, interactions with host cells, and genomic variations. We invite studies on viral pathogenesis, the evolutionary dynamics of viral genomes, and the application of cutting-edge technologies in virology. Themes of interest include, but are not limited to, viral entry mechanisms, host immune responses, the role of viral proteins in disease processes, and advances in viral genome sequencing. We particularly encourage submissions that provide new insights into viral-host interactions and discuss the potential for vaccine development. We welcome original research, reviews, short communications, and case studies to enhance understanding of viruses at the molecular and genomic levels.

Guest Editors

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Deadline for manuscript submissions

closed (20 May 2025)

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About the Journal

Message from the Editor-in-Chief

Genes is central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fast-moving field. There is a need for good quality, open access journals in this area, and the *Genes* team aims to provide expert manuscript handling, serious peer review, and rapid publication across the whole discipline of genetics. Starting in 2010, the journal is now well established and recognised. Why not consider *Genes* for your next genetics paper?

Editor-in-Chief

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