

Special Issue

Advances in Structure– Function Investigations of Viruses

Message from the Guest Editor

This Special Issue, “Advances in Structure–Function Investigations of Viruses”, includes case studies aiming to reflect highly coherent interplays between macromolecular structures and evolved functions illuminated by studies of microscopy, crystallography, spectroscopy, and computer modeling. This Special Issue will provide biologists with a broad forum to exchange structural descriptors of fascinating virus systems for brainstorming novel solutions in biomedicine collectively in one volume. Virus infections involve the utilization of large macromolecular assemblies as a dynamic consequence of cooperativity and metastability. The compilation and integration of the methodology provide time-resolved observations on the reactivity of structures from near-atomic resolution to various molecular or cellular levels of descriptors. This Special Issue welcomes exploration of extended themes in intracellular networking/compartimentation utilized in the cell entry and replication cycles by various viruses. This Special Issue will provide updates on concurrent research to further aid in solving epidemics and designing innovative nanomaterials for the 21st century.

Guest Editor

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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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