



## Advances in Structure–Function Investigations of Viruses

Guest Editor:

**Prof. Dr. R. Holland Cheng**

Department of Molecular and Cellular Biology, University of California, Davis, CA 95616, USA

Deadline for manuscript submissions:

**closed (20 October 2024)**

### 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.





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Department of Physiology,  
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Conocimiento s/n, 18100 Armilla,  
Granada, Spain

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MDPI, Grosspeteranlage 5  
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