

Special Issue

Antiviral Drug Targets: Structure, Function, and Drug Design

Message from the Guest Editors

Today, viral infections represent a serious health and social problem, as underlined by the current coronavirus pandemic. Several other viruses (e.g., Ebola, Zika, West Nile, Dengue, and Chikungunya virus) for which drugs or vaccines might not be available represent a concrete risk of epidemics. Antiviral drug design requires contributions from different disciplines: characterization of the virus type, elucidation of structural features of macromolecular targets, and understanding of the mechanisms of viral replication into the host notably accelerate the identification of suitable drug targets. Antiviral agents are designed and optimized accordingly, through multiple techniques including computational, chemical, biochemical, biophysical, and biological studies, as well as integrated combinations of them. This Special Issue collects recent findings on antiviral drug targets with a focus on structural and functional elucidations, and drug design. The submission of original research papers and reviews on this broad and relevant topic is warmly welcome.

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