



Antiviral Drug Targets: Structure, Function, and Drug Design

Guest Editors:

Dr. Mattia Mori

Department of Biotechnology,
Chemistry and Pharmacy,
University of Siena, via Aldo Moro
2, 53100 Siena, Italy

Dr. Ilaria Vicenti

Department of Medical
Biotechnologies, University of
Siena, Siena, Italy

Deadline for manuscript
submissions:

closed (31 October 2022)

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.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. José L. Quiles

Department of Physiology,
Institute of Nutrition and Food
Technology “Jose Mataix”,
Biomedical Research Center,
University of Granada, Avda.
Conocimiento s/n, 18100 Armilla,
Granada, Spain

Message from the Editor-in-Chief

The *International Journal of Molecular Sciences (IJMS)* 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, and molecular biophysics. *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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, MEDLINE, Embase, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Organic Chemistry)

Contact Us

*International Journal of Molecular
Sciences* Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/ijms
ijms@mdpi.com
X@IJMS_MDPI