



life



an Open Access Journal by MDPI

Viral Subversion of Host Cell Biochemical and Structural Architecture

Guest Editor:

Dr. Kirill Gorshkov

National Center for Advancing
Translational Sciences (NCATS),
Rockville, MD 20852, USA

Deadline for manuscript
submissions:

closed (31 July 2021)

Message from the Guest Editor

Dear Colleagues,

It is well-known that viruses use host cells to propagate. What is less understood are the mechanisms by which viruses and cells interact. New information about how viruses use subcellular machinery in various parts of the viral life-cycle is being discovered every day. Uncovering the viral utilization of host cell biochemical and structural architecture is important for battling viral pandemics now and in the future. This topic will include articles describing viral-host interactions with emphasis on biochemical signaling pathways, subcellular compartmentalization, viral structural organization, and cellular structure as it relates to viral infection and replication. Studies concerning post-translational modifications of host and viral proteins, mechanisms of viral cytopathic effect compared to viral replication without cell death, and differences between tissue and cell-type infectivity are also acceptable in the context of biochemical and structural architectures of the cell. Translational applications of such research to drug discovery can be included. Studies pertaining to the current SARS-CoV-2 pandemic and the resulting COVID-19 will be prioritized.



mdpi.com/si/7/1654

Special issue



life



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Lluís Ribas de Pouplana

Institute for Research in Biomedicine (IRB Barcelona), The Barcelona Institute of Science and Technology, 08028 Barcelona, Spain

Message from the Editor-in-Chief

Life (ISSN 2075-1729) is an international, peer-reviewed open access journal that publishes scientific studies related to fundamental themes in life sciences. Some papers are published individually, while others are submitted for inclusion in special issues with guest editors. You are invited to contribute a research article, essay, or a review to be considered for publication.

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](#), [CAPlus / SciFinder](#), [AGRIS](#), and [other databases](#).

Journal Rank: JCR - Q1 (Biology) / CiteScore - Q1 (Paleontology)

Contact Us

Life Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/life
life@mdpi.com
[X@Life_MDPI](#)