Special Issue

Transcription and Replication of the Negative-Strand RNA Viruses

Message from the Guest Editors

The viral RNA of *negative-strand RNA viruses* is always bound to the nucleoprotein (N), creating a helical or double-helical structure (nucleocapsid). Last year, we made a call for manuscripts on the biochemistry and structure of the nucleocapsids of Paramyxoviruses. This year, the call will be on the biochemistry and structure of the transcription and replication of all negative-stand RNA viruses, including influenza, bunyaviruses and *Mononegavirales*, others like measles, respiratory syncytial, Ebola, rabies/VSV and Borna-viruses. This call for manuscripts concentrates on the structure and biochemistry of RNA and proteins in the nucleocapsid, N, P and polymerase (L), shorter proteins from the gene of P (V and C), and all cellular proteins that bind to these viral proteins and complexes. Recently, N and P have also been shown to form liquid-like, membrane-less compartments which comprise different components of the viral replication complex, forming so-called viral factories. LLPS could also provide protection of the viral RNA and associated RNA transcription machinery from the innate immune system. We are interested in potential manuscripts relating to these findings.

Guest Editors

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Deadline for manuscript submissions

closed (31 January 2023)

Viruses

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About the Journal

Message from the Editor-in-Chief

Viruses (ISSN 1999-4915) is an open access journal which provides an advanced forum for studies of viruses. It publishes reviews, regular research papers, communications, conference reports and short notes. Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the length of the papers. The full experimental details must be provided so that the results can be reproduced. We also encourage the publication of timely reviews and commentaries on topics of interest to the virology community and feature highlights from the virology literature in the 'News and Views' section.

Electronic files or software regarding the full details of the calculation and experimental procedure, if unable to be published in a normal way, can be deposited as supplementary material.

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