



Unconventional Viruses

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Message from the Collection Editor

Dear Colleagues,

Since its very beginning, with the serendipitous discovery of the tobacco mosaic virus by Dmitri Ivanovsky in 1892, virology has mostly focused on those viruses responsible for (often dreadful) diseases of human, animals, or plants. One noticeable exception was the study of bacteriophages that led to the basic concepts of modern cellular biology and to many of today's molecular biology tools.

Through isolations or large-scale environmental metagenomic studies, a flurry of new viruses has since been uncovered that are considered unconventional due to their virion size and morphology, unusual gene contents, or exotic modes of replication. Beyond their unanticipated diversity, these “unconventional viruses” are challenging the established borders between the viral and cellular worlds as well as traditional views on the origin of life.

This Special Issue will gladly welcome articles pertaining to any of these unconventional viruses, from virophages to multipartite RNA and DNA viruses, huge phages, archaeal viruses, giant DNA viruses, as well as to the emerging concept of virus-encoded metabolism.





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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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