

# Special Issue

## Omics of Virus-Host Interactions

### Message from the Guest Editor

Viruses are obligate intracellular parasites. Thus, they must enter host cells in order to usurp cellular functions to use for their own propagation and to cause disease, during which viral components must interact with cellular components. Significant progress has been made during the past few decades thanks to advances in technologies, gene sequencing and bioinformatics, that now allow global analyses of thousands of genes and proteins. In this Special Issue of *Viruses*, we want to compile examples of the types of analyses and studies that contribute towards a better understanding of virus-host interactions.

- How viruses modify the cellular transcriptomic profile;
- Quantitative cellular protein alterations induced by virus infections;
- Global cellular protein modifications induced by virus infection, such as phosphorylation pattern alterations;
- Analyses of which viral proteins interact with which cellular proteins;
- Functional cellular protein alterations induced by virus infection;
- Alterations in cellular pathways induced by virus infection;
- Advances in technologies and in bioinformatics that contribute to better understanding virus-host interactions.

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### Guest Editor

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### Deadline for manuscript submissions

closed (31 December 2022)



# Viruses

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## About the Journal

### Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Viruses* (ISSN 1999-4915). *Viruses* is published in open access format—research articles, reviews and other content are released on the internet immediately after acceptance. The scientific community and the general public have unlimited free access to the content as soon as it is published. As an open access journal, *Viruses* is supported by the authors or their institutes by payment of article processing charges (APC) for accepted papers. We would be pleased to welcome you as one of our authors.

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### Editor-in-Chief

Dr. Eric O. Freed

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