# Special Issue

# Virus Ecology and Evolution: Current Research and Future Directions

## Message from the Guest Editor

Dear colleagues, Understanding virus ecology and evolution is essential to vaccine and antiviral drug development, virus epidemiological surveillance and emergence prediction, virulence progression, and other phenomena relevant to public health, conservation, and agriculture. Topics in virus ecology and evolution may include virus–host coevolution, immune and vaccine evasion, virulence evolution, virus host-range evolution and emergence, virus life history evolution, coinfection and viral 'sex', evolution of virus genome structure and origins of virus genes, virus population genetics and phylodynamics, virus quasispecies, virus adaptive landscape structure, virus robustness and evolvability, and virus experimental evolution. The aim of this Special Issue is to communicate the latest research results and reviews on these topics and others relating to virus ecology and evolution.

## Guest Editor

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## Deadline for manuscript submissions

closed (30 April 2020)

**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.

## Editor-in-Chief

Dr. Eric O. Freed
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