Special Issue

Applications of CRISPR Technology in Virology 2018

Message from the Guest Editor

Precision genome engineering by CRISPR is a game-changing technology that promises to revolutionize virology and the treatment of viral diseases. The applications of CRISPR technology in virology are far-reaching. In this Special Issue of *Viruses* we look to assemble a timely collection of research papers and reviews focusing on applications of CRISPR technology in virology. The highlights will be on cutting-edge CRISPR technologies and their applications in various fields of virology such as viral reverse genetics; the study of viral entry, viral-host interaction, viral pathogenesis and cellular response to viral infection; viral immunology; as well as design and development of vaccines and antivirals. Topics of special interest may include viral delivery systems for CRISPR; functional screening for host restriction and dependency factors using CRISPR; antiviral CRISPR; CRISPR for viral disease modeling and target discovery; CRISPR in virus-infected cells and model organisms; as well as safety issues, such as off-target CRISPR editing in virus-infected cells.

Guest Editor

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Deadline for manuscript submissions

closed (31 October 2018)

Viruses

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 7.7
Indexed in PubMed

mdpi.com/si/9944

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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

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.6 days after submission; acceptance to publication is undertaken in 2.5 days (median values for papers published in this journal in the first half of 2025).