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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Editor-in-Chief

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