

Special Issue

The Cell Biology of Coronavirus Infection

Message from the Guest Editor

Coronaviruses are enveloped positive strand RNA viruses that infect mammals and birds. They have the interesting property of assembling at intracellular membranes. About 20% of common colds in humans are caused by coronaviruses. More severe diseases, including severe acute respiratory syndrome (SARS) and Middle East respiratory syndrome (MERS), are caused by novel coronaviruses that emerged from animal sources. Another novel coronavirus related to SARS coronavirus (SARS CoV-2) emerged in December 2019 and has spread globally, with significant mortality and economic impact. In this Special Issue of *Cells*, coronavirus infection will be examined from a cell biological perspective. Potential topics include virus entry, formation of replication organelles, genome replication and production of viral mRNA, synthesis and targeting of viral proteins, and assembly and budding in the endoplasmic reticulum-Golgi intermediate compartment and virion egress. How cells respond to coronavirus infection is another important potential topic, including how interferon-stimulated genes impact infection.

Guest Editor

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Deadline for manuscript submissions

closed (15 January 2021)



Cells

an Open Access Journal
by MDPI

Impact Factor 5.2
CiteScore 10.5
Indexed in PubMed



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About the Journal

Message from the Editorial Board

Cells has become a solid international scientific journal that is now indexed on SCIE and in other databases. We have successfully introduced a special issues format so that these issues serve as mini-forums in specific areas of cell science. *Cells* encourages researchers to suggest new special issues, serve as special issues editors, and volunteer to be reviewers. Our main focus will remain on cell anatomy and physiology, the structure and function of organelles, cell adhesion and motility, and the regulation of intracellular signaling, growth, differentiation, and aging. We are open to both original research papers and reviews.

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