

Special Issue

Host–Microbial Interactions: Second Edition

Message from the Guest Editors

Viruses are obligatory intercellular microorganisms that exploit cellular machinery for the establishment of successful infection. On the other hand, host cells exert multi-layered defense to combat viral infections. The outcome of this virus–host interaction determines the state of health and disease. This decisive interaction spans from the basic to the molecular level of the virus life cycle, inherently rooted in the host genetics, immunity, cell biology, and molecular signaling. Insights into the viral modulation of cellular pathways are prerequisites for developing novel antivirals, vaccine delivery routes, and innovative modulatory and therapeutic directions.

This Special Issue invites reviews and research articles addressing current knowledge of the virus–host interactions and aims to generate fruitful dialog on aspects that shape the host cellular factors and signaling pathways important for the pathobiology of virus-induced diseases.

Guest Editors

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Prof. Dr. Brent L. Nielsen

Prof. Dr. Muhammad Munir

Deadline for manuscript submissions

closed (20 July 2025)



Cells

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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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