

Special Issue

Multifaceted Nature of Immune Responses to Viral Infection

Message from the Guest Editors

Viruses penetrate host organisms and establish infections by replicating within host cells. The means of viral entry into the host are diverse and depend on the virus. In response to viruses entering via different routes, the host employs multiple defense strategies, involving both innate and adaptive immune mechanisms, to counteract infection. These immune responses vary across species and can be complex, underscoring the host immune system's critical role in controlling viral pathogenesis. This Special Issue will characterize the interactions between viral pathogenicity and host defense mechanisms. It will explore various immune signaling pathways, highlight key regulatory processes, and establish connections between different means of viral infection and host responses.

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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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