Special Issue

Host–Pathogen Interactions During Influenza Virus Infection

Message from the Guest Editor

Although feral ducks are proposed to be the natural reservoir of influenza A viruses, these viruses are also able to infect a wide variety of mammalian and avian species. However, each type of influenza A virus strain must adapt to its respective host, and this species specificity has led to a high degree of sequence variation within influenza A viruses. Furthermore, additional adaptive mutations are required for the maintenance of the virus in its new host. These changes may facilitate either the interaction between specific virus proteins and essential host cell factors, or they may activate pro-viral cellular pathways and processes in the new host. An improved understanding of the biological properties of the viruses that are currently circulating in the natural environment should aid our ability to evaluate the threat that these viruses pose to human and animal health. In this Special Issue, a series of articles have been collated that focus on understanding the interaction between the influenza viruses and the host that they infect.

Guest Editor

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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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