

Special Issue

Membrane Trafficking Components and Mechanisms in Bacterial, Viral or Fungal Infections

Message from the Guest Editor

Pathogens interact with host cells extracellularly and intracellularly. Immune cells respond to infectious agents and components; most cells mount innate immunity. Adaptive and innate immunity, including antigen presentation and Toll-like receptor functions, involve intracellular membrane trafficking—some unique to specialized cells, but conserved eukaryotic machinery is mobilized.

Pathogens invade cells to replicate using host resources. Clinically important viruses, obligate pathogens, enter via co-opted receptors. Viral products rearrange host membranes, subverting compartments, trafficking components (Rabs, coat proteins, SNAREs), and processes for replication. Some bacteria/fungi invade, establishing intracellular sanctuaries to evade immunity, critical for chronic infections.

This Cells Special Issue on "Membrane Trafficking in Bacterial, Viral or Fungal Infections" invites research/reviews on these processes, focusing on mammalian cell infection. High-quality plant cell or phage-bacteria infection manuscripts may be considered.

Guest Editor

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Deadline for manuscript submissions

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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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