



Intracellular Organelle Rearrangement Induced by Pathogenic Infections

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Message from the Guest Editor

Many pathogens have evolved to assume an intracellular mode of infection for their growth and replication; however, several intracellular antipathogen responses potentially prevent the growth of pathogens, or sometimes these responses lead to the elimination of intracellular pathogens. Recent studies have reported that molecules localized in organelle regulate these antipathogen responses, and intracellular pathogens induce the dynamic rearrangement of organelles to modify or sometimes neutralize its functions for their efficient growth. Furthermore, some bacteria modify autophagic machinery to disable the antibacterial response of the cell, and viruses damage mitochondrial proteins involved in innate immune signaling to neutralize antiviral responses.

This Special Issue focuses on organellar rearrangement resulting from the competitive survival of intracellular parasites and to understand the molecular mechanisms underlying the development of novel antipathogen strategies.





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