

Special Issue

Viral and Bacterial Infections in Older Adults: From Mechanisms to Therapies

Message from the Guest Editor

As individuals grow older, their immune systems may weaken, leaving them more vulnerable to infections caused by bacteria and viruses.

Despite significant advancements in therapeutic approaches to counteract viral and bacterial infections in recent years, there remains a lack of understanding about how both types of infections affect the cellular transcriptomic profile, as well as the quantitative and qualitative cellular protein patterns.

Early and accurate diagnosis of infection is crucial for improving patient outcomes, reducing antibiotic resistance, and targeting therapy effectively. Therefore, it is essential to advance technologies and bioinformatics to better understand the interactions between viruses, bacteria, and their hosts. Omics approaches, such as genomics, transcriptomics, proteomics, and metabolomics, can provide valuable insights into the underlying mechanisms of bacterial and viral infections in older adults.

This Special Issue plans to give an overview of the most recent advances in the mechanisms of action and innovative therapies against viral and bacterial infections in older adults.

Guest Editor

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