



## Immune Response to Viruses and Bacteria

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### Message from the Guest Editor

Dear Colleagues,

Immune therapies promise efficient, tolerable, and customizable interventions against human pathogens and diseases. Viral and bacterial infections are detected by several overlapping molecular mechanisms, resulting in the activation of innate and immune responses. Pathogens have evolved a wide range of strategies for avoiding or suppressing activities of the immune system. Although, based on different molecular effectors, these strategies are often shared between viruses and bacteria, whether the immune system can overcome such pathogens' defense mechanisms determines whether an infection is cleared or not. Interventions that can tip the balance in favor of the immune system to defense mechanisms would be beneficial to human health and disease control.

In order to properly design strategies and interventions, however, we require detailed understanding of how the immune system recognizes and interacts with pathogens and their countermeasures. The aim of this Special Issue is to present recent findings unraveling the responses of the immune system relative to bacterial and viral infections and their mechanisms of self-defense.





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## Message from the Editor-in-Chief

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