

Special Issue

Innate Immune Response and Pathogen Dynamics

Message from the Guest Editor

The innate immune response is the body's immediate and non-specific defense against a variety of pathogens. It is the first line of defense that is activated upon pathogen invasion and it also plays a crucial role in activating the adaptive immune response. The dynamics between the innate immune system and pathogens are complex, involving various cellular components and mechanisms such as complement activities in response to pathogens, NK activation in response to microbes, neutrophil phagocytosis, NETosis by neutrophils, monocytes/macrophages, CD4-CD8-NK, eosinophils, etc. This Special Issue delves into the multifaceted aspects of innate immunity, focusing on how it interacts with and responds to different types of pathogens. We are hoping that many contributors will enjoy this topic and share their findings and insights into the intricate dynamics between the innate immune system and a wide range of pathogens.

Guest Editor

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Message from the Editor-in-Chief

The worldwide impact of infectious disease is incalculable. The consequences for human health in terms of morbidity and mortality are obvious and vast but, when infections of animals and plants are also taken into account, it is hard to imagine any other disease that has such a significant impact on our lives—on healthcare systems, on agriculture and on world economics.

Pathogens is proud to continue to serve the international community by publishing high quality studies that further our understanding of infection and have meaningful consequences for disease intervention.

Editor-in-Chief

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