

Special Issue

Microbe–Host Interactions in Human Infections

Message from the Guest Editors

Microbial infection is a highly dynamic process between the host immunity and microbes. Although important advances have been made in understanding the complex interplay between the host and pathogens during infection, our knowledge of these processes is still limited. Deciphering the mechanisms by which microbes cause disease in a susceptible host is crucial for the identification of new potential drug targets in pathogens and the development of novel prophylactic and/or therapeutic measures against infections. On the other hand, a comprehensive elucidation of the innate and adaptive immune responses to microbial infections may lead to the development of host-directed immunotherapies, aimed at enhancing the host immunity or modulating excessive hyperinflammatory responses to pathogens, with the additional benefit of preventing or limiting the development of antimicrobial resistance. This Special Issue aims to promote knowledge in the field of microbe–host interactions, paying particular attention to the mechanisms of microbial pathogenicity, identification of new drug targets in pathogens, and immune response characterization in human infections.

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About the Journal

Message from the Editor-in-Chief

"Microorganism" merges the idea of the very small with the idea of the evolving reproducing organism is a unifying principle for the discipline of microbiology. Our journal recognizes the broadly diverse yet connected nature of microorganisms and provides an advanced publishing forum for original articles from scientists involved in high-quality basic and applied research on any prokaryotic or eukaryotic microorganism, and for research on the ecology, genomics and evolution of microbial communities as well as that exploring cultured microorganisms in the laboratory.

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