

Special Issue

Exploring Host-Pathogen Interactions – Host-Directed Therapies

Message from the Guest Editors

Human organisms are constantly exposed to microorganisms, and most have no effects on their health, with disease being an exception, not the rule. However, when host–microorganism interaction results in damage to the host, the microorganism becomes a pathogen. A kind of “war” begins when they meet, and the increasing incidence of treatment-resistant infections makes the need for alternative management strategies an urgent one.

Understanding the mechanisms involved in human innate determinants of susceptibility or resistance against infection or the disease may help to intervene in host metabolic pathways vital to pathogen survival and find new tools that could act via a host-mediated response rather than acting directly on the pathogen.

The aim of this Special Issue is to highlight processes and mechanisms involved in the crosstalk between infectious agents and hosts that are already used or that may potentially be adapted in the future to host-directed therapy (HDT) strategies. We invite you to submit research articles, reviews, or short communications that together may contribute to improving the knowledge about this promising approach.

Guest Editors

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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.

Editor-in-Chief

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