Special Issue

Understanding the Interactions Between HIV and Other Infections and Their Impact on Immune Function

Message from the Guest Editors

The late diagnosis of HIV infection remains challenging in many regions of the world. This results in patients presenting AIDS-defining conditions (ADCs), such as tuberculosis, toxoplasmosis, P. jiroveci, or JCV. Even in patients on effective antiretroviral therapy, residual HIV virus replication is responsible for immune activation, which is broadly linked with a higher frequency of non-HIV-related conditions, such as cardiovascular disease or cancer. The relationship between HIV infection and other pathogens profoundly influences health outcomes, posing significant challenges in clinical management. However, the precise mechanisms of these interactions remain unclear. Understanding how these viruses interact with HIV and impact immune function is essential for developing effective strategies for diagnosis, treatment, and management. This Special Issue aims to delve into the abovementioned aspects of HIV infection and will cover topics ranging from early diagnosis and effective treatment to exploring the immunological responses and potential risks associated with co-infections.

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"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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