Special Issue

B and T Cells in HIV and Other Viral Infections

Message from the Guest Editor

The induction of effective adaptive immune responses and the establishment of immune memory are critical for combating viral infections. So far, worldwide efforts to develop vaccines that can elicit antiviral antibodies or cellular immune responses against viruses, such as influenza virus and SARS-CoV-2, have been successful. On the other hand, the difficulty in inducing effective immune responses against HIV-1 is an obstacle to developing an HIV-1 vaccine. HIV-1 infects and destroys helper CD4 T cells that should otherwise help adaptive immunity to contain viral replication. Furthermore, prolonged viral replication can lead to chronic immune activation and inflammation that mediate pathological conditions that can be summarized as accelerated aging. This Special Issue welcomes all research describing biological interactions between viruses and the hosts' adaptive immunity, with no limitation for the host (if it is a vertebrate) or viral species. We look forward to your submissions.

Guest Editor

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Deadline for manuscript submissions

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