Special Issue

Interplay between Viruses and Host Adaptive Immunity

Message from the Guest Editors

Upon infection with a virus, antigen-specific adaptive immunity develops to eliminate viruses. While antibody responses help neutralize or block viruses from entering into cells, cytotoxic CD8+ lymphocytes precisely destroy virus-infected cells to purge viruses from hosts. Further. CD4+ helper T cells play a pivotal role during infections by regulating the differentiation of CD8+ T and B cells. On the other hand, multiple innate immune cells and cytokines cooperate with T/B cells to eradicate viruses. In this Special Issue, emphasis will be placed on the recent scientific advancement as to the interaction between host adaptive immunity and viruses, as well as its applications such as vaccine development. This research will improve our understanding of the host immunity to virus infections and help us design new prophylactic or therapeutic interventions to control viral infections. You are cordially invited to contribute unique research or review articles on this theme or related research topics.

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Editor-in-Chief

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