

Special Issue

Molecular Research on Immune Response to Virus Infection and Vaccines

Message from the Guest Editor

The study of the molecular mechanisms underlying immune responses to viral infections and vaccines is crucial for advancing our understanding of host-pathogen interactions and improving therapeutic and preventive options. This Special Issue aims to address recent advances on the identification of key molecular players and pathways involved in the immune responses to viral infections, including innate and adaptive immunity. By examining the roles of various immune cells, cytokines, and signaling molecules, the goal is to provide insights on the processes that lead to effective viral clearance and long-term immunity in different populations. This Special Issue will include research articles using *in vitro* and *in vivo* approaches, as well as advanced techniques, such as genomics, proteomics, and bioinformatics, to uncover novel targets for therapeutic interventions and vaccine development.

Guest Editor

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The *International Journal of Molecular Sciences (IJMS)* is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, and molecular biophysics. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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