

Special Issue

Interferon Signaling in Viral Pathogenesis

Message from the Guest Editor

Recent findings have revealed the dual roles of IFN-I signaling in virus infection and pathogenesis: it plays a critical role to suppress acute virus infection and to set the host immune anti-viral program. During chronic infection, however, persistent IFN-I signaling contributes to virus-associated hyper-inflammation, immune exhaustion, and virus persistence. In this Special Issue, we will focus on the most recent advances in understanding the mechanism of virus–host cell interaction in IFN induction, with a special emphasis on how IFN-I may play both a positive and a negative role during acute and persistent virus infection. We will also focus on new developments on targeting IFN signaling in modulating immunotherapy of virus infection, autoimmune diseases, and cancer.

Guest Editor

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Deadline for manuscript submissions

closed (31 March 2026)



Viruses

an Open Access Journal
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Impact Factor 3.5
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