

## Special Issue on **Viral Infections and Cell Signaling**

# CALL FOR PAPERS

Host cell signaling during viral infection includes various pathways such as inflammation, apoptosis, interferon response cytokine response, and chemokine response, which are indispensable for host against viral infection and forming immune memory.

However, aberrant host cell signaling during virus infection such as inhibition of cytokine production and signaling, virus induced cytokine storm, and imbalance of Th1 and Th2 cytokine response contributed to viral pathogenesis as well. Ongoing researching has revealed more and more cell signaling pathways as part of host defense mechanism for viral infection. However, current knowledge for understanding virus antagonizing or manipulating host cell signaling pathways to benefiting viral replication or invert host immune response is still limited.

This special issue is intended to present and discuss cutting edge knowledge about host cell signaling pathways involved in viral infection and understand the role of host cell signaling played for viral pathogenesis.

Potential topics include but are not limited to the following:

- ▶ Viral infection and inflammation
- ▶ Host cell signaling pathways responding to viral infection
- ▶ Cytokine signaling in innate immunity against virus infections
- ▶ Aberrant interferon and cytokines signaling during viral infection and their relation with viral pathogenesis
- ▶ Viral interference of cell signaling pathways
- ▶ Cell signaling pathways as potential targets for antiviral strategy

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