

Special Issue

Genetic Insights into Host-Viral Response and Pathogenesis

Message from the Guest Editor

Numerous evidences show that genetics play a leading role in influencing the course of many infectious diseases and the probability of developing the disease. It is important to understand how viruses, at the molecular level, can dynamically influence chromatin remodeling to allow the regulation of gene expression and other processes that require access to cellular DNA, and how these host-pathogen interactions can influence the genetic diversity of both organisms. Infections are perhaps one of the main selective pressures acting on humans. Knowledge of the virus-host molecular interactions and the identification of the key factors that modify the cellular genome, gene expression and epigenetic modifications are essential for understanding the fate of infections, viral diseases and their pathogenesis.

This special issue focuses on the research field of host virus interaction and welcomes original research articles, short communications and review papers dealing with the molecular and genetic mechanisms on host virus response and pathogenesis.

Guest Editor

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Message from the Editor-in-Chief

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