Special Issue

Viruses, MicroRNAs and Host Interactions

Message from the Guest Editor

Viruses have the ability to interact directly or indirectly with host cell microRNAs (miRNAs) or even encode for their own miRNAs. The effects on target mRNA expression can affect pathways that are either pro- or antiviral and help viruses alter their host cells in favour of viral pathogenesis. These interactions ultimately have the potential to impact virus-induced disease progression. For example, miRNAs may upregulate metabolic processes that help provide essential building blocks for viral replication, or may be involved in immune evasion thereby enhancing viral persistence. miRNAs have even been shown to interact directly with viral genomes and protect viral genomic RNA. This Special Issue examines current knowledge and new developments in the study of microRNAs, viruses, and their host interactions.

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Editor-in-Chief

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