

Special Issue

RNA Biology of Viral Infection

Message from the Guest Editor

RNA biology is an essential foundation upon which all of viral infection is built regardless of the genetic composition or architecture of the pathogen. As all viruses confer their genetic information to the host in the form of an RNA intermediary, the interface between the pathogen and the host is extensive as the viral mRNAs must engage with the host machinery for functionalization and gene expression. In addition, RNA viruses must operate within the constraints of the host system to ensure the completion of the viral life cycle through the replication, stabilization, and functionalization of the genomic viral RNAs. Importantly, the consequences of this interdependence are not one-sided as host RNA synthesis and function, and indeed the host transcriptome at large, are impacted by viral infection through direct and indirect means. The focus of this Special Issue is the characterization of the host/pathogen interface as it relates to RNA biology, with a particular emphasis on furthering the understanding of the impacts and consequences of viral infection on viral and host RNAs.

Guest Editor

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