# Special Issue

# Viral Strategies and Cellular Countermeasures that Regulate mRNA Access to the Translation Apparatus

## Message from the Guest Editor

Viruses depend on the translation apparatus of host cells for the synthesis of viral proteins. Infection is consequently influenced by competition between viral mechanisms that act to co-opt the cellular translation apparatus and cellular mechanisms that restrict viral access to it. Viral strategies include (a) synthesis of proteins that substitute for specific components of the translation apparatus, (b) modification of components of the host translation apparatus such as translation factors, ribosomes, or host mRNAs, thereby restricting cellular translation and the execution of cellular antiviral responses, and (c) exploitation of specialized elements in viral mRNAs to enable them to access the translation apparatus in these conditions. This Special Issue will focus on recent advances in identifying viral effects on the cellular translation apparatus, in characterizing specialized viral translation mechanisms that function during infection, and in elucidating details of cellular mechanisms that restrict viral translation. Dr. Christopher Hellen

## Guest Editor

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## Deadline for manuscript submissions

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## Editor-in-Chief

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