Special Issue

Non-Coding RNAs in Viral Infections

Message from the Guest Editors

Non-coding RNAs (ncRNAs) are key regulators in anti-viral responses and play diverse roles in various aspects of infection, including virus replication, persistence, and pathogenesis. In addition to host ncRNAs that are influenced and/or utilized during infection, both DNA and RNA viruses produce regulatory ncRNAs. These molecules can act to modulate gene expression or control RNA stability or epigenetic processes. Ongoing questions include how viral ncRNAs contribute to immune evasion, whether ncRNAs act as virulence factors, how viruses hijack host ncRNAs, and how both viral and host ncRNAs coordinate to benefit virus replication. This issue will group together works on the latest advances in ncRNA studies related to virus infections in humans and animal model systems. The following topics will be considered:

- ncRNAs as regulators of cell signaling and anti-viral responses
- novel functions of viral or host ncRNAs in virus replication
- ncRNAs in viral pathogenesis
- pre-clinical and clinical studies on the roles of ncRNAs in viral diseases

For further reading, visit the *Special Issue website*.

Guest Editors

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Deadline for manuscript submissions

closed (21 September 2018)

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About the Journal

Message from the Editor-in-Chief

This field finally has a dedicated journal where its broad community can communicate and exchange its latest findings in one centralized place. This field was built stone by stone from the many scientific contributions from extremely diverse horizons, studying gene silencing in plants, position effect variegation in drosophila or quelling in fungi. This field has achieved maturity, but a lot remains to be discovered! Our aim is to publish manuscripts from all horizons that will have a high impact on the development of the field. Let's have fun and wish *Non-Coding RNA* a long and rewarding life!

Editor-in-Chief

Prof. Dr. George A. Calin
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