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Recent Developments in Viral RNA Biology

Guest Editor:

Dr. Dominique Fourmy

CNRS Laboratory of Biology and Applied Pharmacology (LBPA), University Paris Saclay, Ecole Normale Supérieure Paris-Saclay, 91 190 Gif-sur-Yvette, France

Deadline for manuscript submissions:

closed (20 September 2023)

Message from the Guest Editor

RNA viruses encode the information necessary to take over cellular metabolism and gene expression to produce progeny virions. In this process, the viral RNA genome plays a critical role first, with genes encoded within the RNA sequence, and second, when the RNA folds into higher-order structures to fulfill specific functions. Recent advances in the field have identified new mechanisms by which viral RNAs interact with the cellular host to hijack key cellular machineries and evade the host's immune responses. New regulatory elements have been discovered, and the relation of RNA structure with virus evolution is being uncovered. RNAs involved in previously uncharacterized host–virus interactions or which are part of the functional viral machinery hold great therapeutic potential.

Recent developments in viral RNA biology will be the topic of a Special Issue of *Genes*. We invite you to submit review articles, original papers, and short communications on viral RNA. These include, but are not limited to, omics, structural biology, molecular mechanisms, RNA biotechnology and diagnosis, RNA drug design, and RNA imaging. We look forward to your contributions.



mdpi.com/si/127198

Special Issue



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Editor-in-Chief

Prof. Dr. Selvarangan Ponnazhagan

Department of Pathology, The University of Alabama at Birmingham, 1825 University Blvd, SHEL 814, Birmingham, AL 35294-2182, USA

Message from the Editor-in-Chief

Genes are central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fastmoving field. There is a need for good quality, open access journals in this area, and the *Genes* team aims to provide expert manuscript handling, serious peer review, and rapid publication across the whole discipline of genetics. Starting in 2010, the journal is now well established and recognised.

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Genes Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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