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RNA Metabolism and Human Diseases

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Deadline for manuscript
submissions:

closed (31 October 2023)

Message from the Guest Editors

Dear Colleagues,

RNA metabolism involves a series of molecular events during the whole lifespan of RNAs, including transcription, pre-mRNA processing, epitranscriptomic modification, translation, and RNA degradation. These processes are tempo-spatially controlled by various proteins such as RNA-binding proteins and RNA-related enzymes, and also by noncoding RNAs, such as microRNAs, siRNAs, piRNAs, long noncoding RNAs, and circular RNAs, in different cellular compartments accompanying a variety of life activities. Disturbances of RNA metabolism are strongly associated with human developmental disorders, cancers, viral infection, and aging processes.

In this Special Issue, we invite you to submit original articles or reviews discussing the biological consequences and molecular mechanisms of any aspects of RNA metabolism in models of cells, animals, and humans. We hope this Special Issue will provide a valuable platform for scientific communication among researchers working on RNA biology.



mdpi.com/si/144692

Special Issue



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Editor-in-Chief

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Message from the Editor-in-Chief

The metabolome is the result of the combined effects of genetic and environmental influences on metabolic processes. Metabolomic studies can provide a global view of metabolism and thereby improve our understanding of the underlying biology. Advances in metabolomic technologies have shown utility for elucidating mechanisms which underlie fundamental biological processes including disease pathology. *Metabolites* is proud to be part of the development of metabolomics and we look forward to working with many of you to publish high quality metabolomic studies.

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