

Special Issue

Altered RNA Processing in Tumor Pathogenesis and Therapy

Message from the Guest Editor

In recent years, large-scale genomic studies including single-cell RNA-seq have identified numerous modalities by which protein coding and noncoding RNA processing is altered in numerous cancers at the cellular level. These include mutations that drive cancer by perturbing cotranscriptional and post-transcriptional regulation of gene expressions such as alterations that affect each phase of RNA processing, including transcription, splicing, transport, editing, and decay of messenger and other RNAs. A better understanding of the molecular mechanisms associated with altered RNA processes and mechanisms and the biological impact of these alterations in RNA transcription and processing on tumorigenesis can provide insights into cancer pathophysiology, leading to the discovery of novel biomarkers and therapeutic vulnerabilities. This Special Issue calls for original research, reviews, and perspectives that address the progress and current knowledge on altered RNA processing and their impact on oncogenesis, response to cancer treatments and drug resistance, and their utility as biomarkers, therapeutic targets, and therapeutics.

Guest Editor

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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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