



Altered RNA Processing in Tumor Pathogenesis and Therapy

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Message from the Guest Editor

Dear Colleagues,

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.





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Message from the Editor-in-Chief

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