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MicroRNAs Applications in Cancer, Therapeutics and Related Toxicities

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Message from the Guest Editor

Knowledge about microRNAs (miRNAs) has dramatically expanded during the last decade, showing their important role in many diseases and cancer, as well as in the response to therapeutic approaches. Therefore, specific signatures of aberrantly expressed miRNAs harbor diagnostic, prognostic, and therapeutic implications. Changes in miRNA expression occur in response to environmental stimuli and play an important role in the regulation of cancer development and aggressiveness, immune response, and specific treatment efficacy. Currently, there is a critical need to discover biomarkers for risk prediction and early diagnosis of cancer, to monitor progression and to predict clinical outcome, and miRNAs are strong candidates for all these.

This Special Issue intends to present original research and reviews in the field of miRNA application in cancer as targeted biomarkers for prognosis, therapeutic efficacy, and therapeutic related toxicities. It also will include the topic of miRNA application in cancer immunotherapy.



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Special Issue



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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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