Special Issue

The Role of MicroRNAs, Long Non-coding RNAs and Circular RNAs in Cancer Metastasis and Cancer Therapy Resistance

Message from the Guest Editor

Non-coding RNAs (ncRNAs), including microRNAs (miRNAs), long non-coding RNAs (lncRNAs) and circular RNAs (circRNAs), make up most of the human transcriptome and have been hot spots in recent years. MiRNAs are small endogenous non-coding RNAs that bind to complementary sequences in their target mRNAs to modulate the expression of target mRNAs. LncRNAs competitively sponge miRNAs as competing endogenous RNAs, indirectly controlling the effects of miRNAs on their target genes. LncRNAs can also mediate gene transcription by binding chromosomal DNA or recruiting transcription factors. CircRNAs interact with diverse molecules (including miRNAs) to regulate gene expression and cell function. Accumulating evidence indicates that miRNAs, lncRNAs and circRNAs play crucial roles in tumorigenesis, tumor development, metastasis and sensitivity to radiation, chemotherapy and targeted therapies. This Special Issue focuses on the novel roles of ncRNAs (including miRNAs, lncRNAs and circRNAs) in cancer metastasis and cancer therapy resistance.

Guest Editor

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Biomolecules is a multidisciplinary open-access journal that reports on all aspects of research related to biogenic substances, from small molecules to complex polymers. We invite manuscripts of high scientific quality that pertain to the diverse aspects relevant to organic molecules, irrespective of the biological question or methodology. We aim for a competent, fair peer review and rapid publication. Please look at some of the exciting work that has been published in *Biomolecules* so far. We would be delighted to welcome you as one of our authors.

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