

Special Issue

Non-coding RNAs in Tumor Development and Angiogenesis

Message from the Guest Editors

Non-coding RNAs may regulate multiple molecular and cellular processes and it have been demonstrated to be important in cancer development, angiogenesis, biomarkers, and therapeutic resistance. micro-RNAs (miRNAs) are the first class of non-coding RNAs discovered in cancer development to have a therapeutic effect, and are the most extensively investigated ncRNAs in regulation of cancer initiation, development, angiogenesis, and therapeutic resistance. long-ncRNAs (lncRNAs) represent the largest class of non-coding RNAs, with more than 55,000 genes in the human genome, and lncRNAs may regulate gene expression through their interactions with proteins, miRNAs, DNA, and mRNAs. Other ncRNAs may also play important roles in some forms of cancer development. This Special Issue will focus on recent research to understand the networks and mechanisms of ncRNAs, especially miRNAs and lncRNAs. Gaining improved understanding of the complex networks of ncRNAs and underlining molecular mechanisms will provide new opportunities to identify new biomarkers and to design new options for cancer treatments in the future.

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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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