

Special Issue

Non-coding RNA and Cancer: New Treatment Opportunities and Impact on Metastasis and Therapy Resistance

Message from the Guest Editors

The advent of emerging molecular and genetic omics technologies has made a powerful contribution to understanding the biochemical alterations behind cancer development and progression. Cancer-associated specific molecular dysregulation is largely supported by noncoding RNAs, whose expression is, in turn, frequently altered in pathologic conditions as a result of mutations or copy number variations in non-coding DNA regions. Due to their aberrant expression in human neoplasms, they can behave as either oncogenes or tumor suppressors in a tissue-specific manner, thus providing novel therapeutic opportunities to be translated into clinics for successful cancer treatment. Among the cancer-related processes controlled by ncRNAs, molecular regulatory networks governing metastasis are frequently investigated for the possible diagnostic and therapeutic applications of these molecules. This Special Issue will explore the latest advances in ncRNA research, focusing on the regulatory function of ncRNAs in cancer-related processes with particular attention toward their advantages of commitment in metastatic events or drug resistance, as well as to their application as therapeutic agents.

Guest Editors

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

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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