

Special Issue

Cancer Chemoresistance: Novel Mechanistic Insights and Emerging Therapeutic Strategies

Message from the Guest Editor

There is an increasing body of evidence demonstrating that treatment exposure can alter the tumor cell secretome, which shapes the behavior of cells in the tumor microenvironment to confer chemoresistance and promote tumor relapse. Thus, tumor-derived circulating material could provide a rich source of clinically relevant early diagnostic and prognostic biomarkers to enable timely management of cancer patients and to predict and monitor treatment response. Furthermore, understanding the underlying cellular and molecular mechanisms governing complex interactions between cancer cells and their microenvironment including both stromal cells and extracellular matrix components could fuel the discovery of novel targets for devising new therapeutic strategies. The objective of this Special Issue of IJMS is to publish original research and review papers in the field of basic and translational cancer research that specifically address these challenges leading to the discovery of new biomarkers and molecular pathways of chemoresistance and identification of novel drug combinations to overcome chemoresistance in cancer.

Guest Editor

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Deadline for manuscript submissions

closed (30 November 2021)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



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*International Journal of
Molecular Sciences*
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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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