

Special Issue

Molecular Insights into the Precision Medicine on Neoplastic Diseases: Challenges, Perspectives and Opportunities

Message from the Guest Editor

Although precision medicine is very promising, there are still many barriers that hinder the acquisition of new insights. Indeed, pathological mechanisms are the result of several interconnected factors that contribute to the pathogenesis and evolution of a disease. This complexity results in the identification of a specific target that represents only a small piece of a wider mosaic. Moreover, in many diseases, after an initial therapeutic response, patients start to develop resistance to treatment due to the ability of tumor cells to activate new pathways able to escape drugs and uncontrollably proliferate. In quite a few cases, instead, what were considered promising and effective treatments during experimental phases show little or no benefit to patients. There are many expectations, and there is a high potential for precision medicine in the treatment of many diseases. New advances on molecular mechanisms or pathophysiology are welcome, whereas descriptive or phenomenological studies, as well as papers containing only clinical trials/data, do not fall within the scope of IJMS and cannot be accepted.

Guest Editor

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Deadline for manuscript submissions

30 September 2025



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 8.1
Indexed in PubMed



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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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