

Special Issue

Cancer Genomics, 2nd Edition

Message from the Guest Editors

During the development and progression of cancer, neoplastic cells acquire a series of genetic changes that result in drastic modifications both in how the cell responds to its environment and in the cell dynamics itself. Advancements in genomic technologies and next-generation sequencing have produced a wealth of information and provided substantial insights into the pathogenesis of diseases. Especially in cancer, these tools have been exceptionally useful for identifying novel signal transduction pathways, with a great potential for the discovery of new biomarkers and therapeutic targets. However, the translation of these findings into a breakthrough in the understanding of cancer biology and the care of cancer patients remains a major challenge. This Special Issue highlights novel findings in cancer genomics arising from the combined use of computational tools, high-throughput sequencing technology, bioinformatics, cell biology and translational research to understand cancer biology, from genomics to cell signaling and from disease models to actual patients.

Guest Editors

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Deadline for manuscript submissions

30 October 2025



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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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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