

Special Issue

Genomics and Molecular Regulation in Cancer Pathogenesis

Message from the Guest Editors

A Special Issue on the hot topic "Molecular Regulation and Mechanism in Cancer Pathogenesis" is being prepared for the journal *IJMS*. The idea moves from the basis that (genetic and epigenetic) molecular mechanism is essential for better understanding of cancer development and progression. A complex network of oncogenes, tumour suppressor genes and related molecules cooperate to initiate and promote cancer development and progression (especially multi-drug resistance, relapse/recurrence, local invasion and distant metastasis). The network is regulated in response to selective pressure under stress and treatment. Identification and validation of molecular biomarkers and targets have been explored over the years using different and complementary tools from *in vivo*, *ex vivo* to *in vitro* systems, as well as *in silico* methodologies. A few validated biomarkers and therapeutic targets have boosted extensive investigations of cancer molecular and cellular mechanisms.

Guest Editors

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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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