

Special Issue

Oncogenes and Tumor Suppressors: From Basic Science to Therapeutic Applications

Message from the Guest Editor

Unraveling the molecular mechanisms of cancer remains a significant challenge in biomedical research. The discovery of oncogenes and tumor suppressors closed gaps in our understanding of the biology of the cancer cell. These genes serve as critical nodes in complex networks that impact many cell features, such as cell growth and survival, immune responses, metabolic adaptation, and resistance to therapy. However, ongoing research continues to explore the multifaceted biology of oncogenes and tumor suppressors, from their discovery and mechanistic insights to their implications in cancer diagnosis, prognosis, and treatment. As research advances, the connections between basic discoveries and clinical applications grow stronger, paving the way for breakthroughs that could change the cancer treatment landscape. This Special Issue invites contributions that explore oncogenes and tumor suppressors from multiple angles, such as their fundamental biology, interactions with the microenvironment, and relevance as therapeutic targets or biomarkers.

Guest Editor

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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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