

Special Issue

Molecular Genetics and Epigenetics of Tumors

Message from the Guest Editors

Alterations in the epigenetic and molecular mechanisms of tumors have proven to be critical in the development of novel and innovative diagnostics and therapies for both adult and childhood cancers. Solid tumors and hematopoietic cancers frequently harbor recurrent and specific epigenetic and molecular abnormalities such as chromosomal translocations, DNA methylation, histone modifications, long noncoding RNAs and numerous genetic mutations. Epigenetics and Molecular Genetics of Tumors, a new Special Issue, provides a thorough discussion and overview of current developments in translational research, with special emphasis on novel advances in genetics and epigenetics that can be used for clinical diagnosis, prognosis and treatment monitoring. This Special Issue will therefore bring together reviews and original articles focusing on both basic and translational research in the field of genetics and epigenetics of adult and childhood tumors.

Keywords:

- epigenetics
- genetics
- cancer
- epi-markers
- biomarkers
- drug targets
- drug therapy
- DNA methylation
- histone modification

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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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