

Special Issue

Epigenetic Mechanisms in Cancer Biology

Message from the Guest Editor

It is now widely recognized that epigenetic dysregulation is a hallmark of cancer development and progression. Different epigenetic mechanisms, including DNA methylation, histone modifications, and RNA-mediated epigenetic regulation, among others, have been linked to a wide variety of cancer types, including but not limited to breast, prostate, lung, and colon cancer. Because epigenetic alterations are so ubiquitous in cancer, it has been postulated that epigenetic biomarkers can be useful for cancer screening and monitoring of treatment efficacy. Beyond that, epigenetic changes may prove to be useful targets for novel treatment strategies. However, important research gaps remain. Studies that investigate these specific aspects of the mechanistic relationship between epigenetic alterations and cancer are warmly solicited for this Special Issue.

Guest Editor

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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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