

Special Issue

Epigenetic Changes in Cancer: Mechanisms, Biomarkers, and Therapeutic Strategies

Message from the Guest Editor

Cancer is a multifactorial disease in which epigenetic modifications play a crucial role in its initiation, progression, and therapeutic resistance. This Special Issue aims to explore the latest advances in understanding the molecular mechanisms underlying epigenetic changes in cancer, such as DNA methylation, histone modification, and non-coding RNA regulation. We welcome studies identifying novel epigenetic biomarkers with potential for early detection, prognosis, and therapeutic monitoring. Additionally, contributions focusing on the development of innovative epigenetic therapies, including small-molecule inhibitors, gene-editing tools, and combination therapies, are encouraged. The integration of multi-omics approaches and bioinformatics to unravel epigenetic networks in cancer will also be highlighted. By assembling cutting-edge research and reviews, this Special Issue seeks to bridge the gap between basic epigenetic research and translational applications, ultimately advancing precision oncology.

Guest Editor

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Message from the Editor-in-Chief

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