

Special Issue

Exploration of Epigenetic Concepts That Impact Cancer Immune Infiltration and Immunotherapy

Message from the Guest Editor

This special issue explores the intricate relationship between epigenetic processes and cancer immune infiltration, with a focus on the impact of these mechanisms on the efficacy of immunotherapy. While immune checkpoint inhibitors (ICIs) have revolutionized cancer treatment, their effectiveness can be limited by tumor biology and the tumor microenvironment. By investigating the epigenetic regulation of immune-cancer cell interactions, this special issue aims to unravel key factors influencing ICI response. Topics of interest include epigenetic control of immune-related gene expression, the role of methylation markers as surrogate indicators for tumor-infiltrating lymphocytes, and the impact of epigenetic drugs and nutrition on ICI modulation. This multidisciplinary exploration invites authors from basic, translational, and clinical research backgrounds to contribute original articles or reviews. Join us in deciphering the fascinating convergence of cancer biology, therapeutics, epigenetics, immunology, and nutrition in the context of cancer immune infiltration and immunotherapy.

Guest Editor

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Message from the Editorial Board

Biomolecules is a multidisciplinary open-access journal that reports on all aspects of research related to biogenic substances, from small molecules to complex polymers. We invite manuscripts of high scientific quality that pertain to the diverse aspects relevant to organic molecules, irrespective of the biological question or methodology. We aim for a competent, fair peer review and rapid publication. Please look at some of the exciting work that has been published in *Biomolecules* so far. We would be delighted to welcome you as one of our authors.

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