

Special Issue

DNA Methylation in Cancer— Biomarkers and Therapeutic Targets

Message from the Guest Editor

This Special Issue focuses on the emerging role of DNA methylation as a key epigenetic mechanism in cancer development, progression, and therapeutic response. Aberrant DNA methylation patterns contribute to tumor initiation, lineage plasticity, and resistance to treatment, while also offering promising opportunities for biomarker discovery. We invite original research and review articles exploring epigenetic drugs in cancer, genome-wide methylation profiling, epigenomic analyses, and integrative approaches that improve our understanding of cancer biology. Particular emphasis is placed on studies identifying diagnostic, prognostic, and predictive biomarkers, as well as those investigating epigenetic therapies that target or affect DNA methylation. Contributions investigating tumor heterogeneity and translational applications in clinical oncology are also encouraged. This Special Issue aims to provide an overview of current advances and support the development of methylation-based strategies in cancer research and treatment. I look forward to receiving your contributions.

Guest Editor

Dr. Susan Logotheti

Department of Pathology, School of Medicine, University of Patras,
26504 Patras, Greece

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*Current Issues in Molecular
Biology*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
cimb@mdpi.com

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About the Journal

Message from the Editor-in-Chief

Current Issues in Molecular Biology (CIMB, ISSN 1467-3045) is an international, peer-reviewed, open access journal established in 1999 and published monthly online by MDPI (from Volume 43 Issue 1-2021). *CIMB* publishes original research articles and comprehensive reviews on emerging and significant topics in molecular biology, covering all aspects of molecular biology and related interdisciplinary fields. We invite you to read recent articles published in *CIMB* and consider submitting your next research to the journal, particularly studies exploring mechanistic insights, translational applications, and interdisciplinary approaches across molecular biology.

Editor-in-Chief

Prof. Dr. Madhav Bhatia

Department of Pathology and Molecular Medicine, University of Otago,
Christchurch 8140, New Zealand

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