Special Issue

New Insights into Epigenetic Regulation in Cancer

Message from the Guest Editor

Dear colleagues,

Epigenetic modifications of histones as well as DNA and RNA molecules are key regulatory mechanisms that alter gene expression. Epigenetic regulators can silence the expression of tumor suppressors and activate oncogenes, thereby influencing both the initiation and the progression of the disease. In addition, their ability to alter the genetic landscape in response to external stimuli represents a key factor in cellular adaptation to changes in the microenvironment. The present Special Issue aims to publish high-quality research articles, as well as review contributions, on a variety of topics related to epigenetic regulators and therapeutic developments. Potential topics include, but are not limited to, the following:

- Novel epigenetic targets in cancer.
- Tumor microenvironment.
- Epitranscriptomics.
- Epigenetic editing.
- Current state of epigenetic therapies in cancer.
- Methods of new epigenetic therapy development.

Guest Editor

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Deadline for manuscript submissions

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About the Journal

Message from the Editor-in-Chief

In the past years the growth of the epigenetic field has been outstanding, from here the need of a journal where to centralize all new information on the subject. The term epigenetics is now broadly used to indicate changes in gene functions that do not depend on changes in the sequence of DNA. *Epigenomes* covers all areas of DNA modification from single cell level to multicellular organism as well as the epigenetics on human pathologies and behavior.
Epigenomes (ISSN 2075-4655) is a fully peer-reviewed publication outlet with a rapid and economical route to open access publication. All articles are peer-reviewed and the editorial focus is on determining that the work is scientifically sound rather than trying to predict its future impact.

Editor-in-Chief

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Author Benefits

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Journal Rank:

JCR - Q2 (Genetics and Heredity) / CiteScore - Q2 (Biochemistry, Genetics and Molecular Biology (miscellaneous))

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 25.5 days after submission; acceptance to publication is undertaken in 3.8 days (median values for papers published in this journal in the second half of 2025).