

Special Issue

Navigating Through the Epigenetic Pathways of Cancer

Message from the Guest Editor

The reversible nature of epigenetic modifications revolutionized cancer therapeutics and reinforced the design and development of epigenetic-altering drugs. Furthermore, non-coding RNAs (microRNAs and long non-coding RNAs) have emerged as novel attractive therapeutic targets due to their ability to control gene expression, affect a plethora of cellular properties, and interact with other parts of the epigenetic machinery. Importantly, recent data indicate that DNA methylation patterns and non-coding RNA profiles could serve as biomarkers for disease diagnosis, prognosis and response to a treatment.

The purpose of this Special Issue is to focus on cutting-edge research, across a wide range of topics, relevant to cancer epigenetics. We invite authors to submit original, meta-analyses, and review articles on basic research, translational, and cancer diagnosis or treatment.

Keywords

DNA methylation
Histone modifications
Non-coding RNAs (miRNAs, lncRNAs)
Epigenetic mechanisms
Biomarkers
Cancer treatment
Inflammation

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About the Journal

Message from the Editorial Board

Cells has become a solid international scientific journal that is now indexed on SCIE and in other databases. We have successfully introduced a special issues format so that these issues serve as mini-forums in specific areas of cell science. *Cells* encourages researchers to suggest new special issues, serve as special issues editors, and volunteer to be reviewers. Our main focus will remain on cell anatomy and physiology, the structure and function of organelles, cell adhesion and motility, and the regulation of intracellular signaling, growth, differentiation, and aging. We are open to both original research papers and reviews.

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the first half of 2025).