

## Special Issue

# Epigenetic Mechanisms of Tumorigenesis

### Message from the Guest Editor

Tumorigenesis, the complex process by which normal cells transform into cancerous ones, is influenced by genetic mutations and epigenetic alterations. Epigenetic mechanisms, including DNA methylation, histone modifications, and non-coding RNA interactions, have a critical role in regulating gene expression without altering the underlying DNA sequence. These mechanisms are pivotal in maintaining cellular identity and function, but when disrupted, they can lead to aberrant gene expression profiles, contributing to cancer initiation and progression. This Special Issue delves into the diverse epigenetic landscapes that drive tumorigenesis, exploring the latest research on how these modifications contribute to the onset and progression of various cancers. By understanding these processes, we can uncover novel biomarkers for early detection and therapeutic targets to develop more precise and effective cancer treatments. This compilation of studies and reviews provides a comprehensive overview of the current state of epigenetic research in oncology, highlighting both the challenges and opportunities in this rapidly evolving field.

---

### Guest Editor

Prof. Dr. Hengbin Wang

Department of Internal Medicine, Division of Hematology, Oncology, and Palliative Care, Massey Cancer Institute, Virginia Commonwealth University, Richmond, VA 23298, USA

---

### Deadline for manuscript submissions

10 September 2025



## Cells

---

an Open Access Journal  
by MDPI

---

Impact Factor 5.2  
CiteScore 10.5  
Indexed in PubMed



[mdpi.com/si/214601](https://mdpi.com/si/214601)

*Cells*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[cells@mdpi.com](mailto:cells@mdpi.com)

[mdpi.com/journal/  
cells](https://mdpi.com/journal/cells)





# Cells

---

an Open Access Journal  
by MDPI

---

Impact Factor 5.2  
CiteScore 10.5  
Indexed in PubMed



[mdpi.com/journal/  
cells](https://mdpi.com/journal/cells)



## 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.

---

### Editors-in-Chief

Dr. Alexander E. Kalyuzhny

Dental Basic Sciences, University of Minnesota, 308 Harvard St. SE,  
Minneapolis, MN 55455, USA

Prof. Dr. Cord Brakebusch

Biotech Research & Innovation Centre, The University of Copenhagen,  
Copenhagen, Denmark

---

### Author Benefits

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, CAPlus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q2 (Cell Biology) / CiteScore - Q1 (General Biochemistry, Genetics and Molecular Biology)

#### Rapid Publication:

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).