

Special Issue

Epigenetic Regulation of Development, Cellular Differentiation, and Disease Progression/Protection in Adults

Message from the Guest Editors

Epigenetic changes drive early embryonic and later stages of development. These epigenetic modifications are necessary for successful development throughout early life and are associated with a youthful, healthy epigenetic landscape, but age-related epigenetic changes can cause a multitude of pathologies in adulthood. As such, an epigenetic clock can reflect changes that occur with aging. Alzheimer's disease, cancer, cardiovascular disease, and diabetes are some of the more well-studied diseases associated with an aged epigenetic landscape. This Special Issue aims to explore current research concerning epigenetic changes that govern human development, both embryonic and later cell stages, along with age-related epigenetic changes that drive pathologies later in life. We invite the submission of manuscripts concerning, but not limited to, the following keywords regarding epigenetic contributions to development and aging. We are pleased to invite you to contribute original articles, reviews, communications, etc. We look forward to your contributions to this Special Issue.

Guest Editors

Prof. Dr. Lon J. van Winkle

Prof. Dr. Rebecca Jean Ryznar

Erin Onat

Lacie Phibbs

Deadline for manuscript submissions

closed (15 April 2023)



Cells

an Open Access Journal
by MDPI

Impact Factor 5.2
CiteScore 10.5
Indexed in PubMed



mdpi.com/si/114915

Cells
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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, CAPus / 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).