

Special Issue

Metabolic Regulation of Cell Behavior and Implications for Aging

Message from the Guest Editors

This Special Issue aims to gather cutting-edge research and reviews on the role of metabolic regulation in cellular behavior and its implications for aging. Topics of interest include metabolic reprogramming, redox homeostasis, mitochondrial function, proteostasis, autophagy, and the interplay between metabolism and cellular stress responses (oxidative stress, glycativ stress, etc). We welcome studies using molecular, cellular, and systems biology approaches, as well as translational research exploring therapeutic interventions targeting metabolic pathways. By integrating insights from metabolism and aging biology, this Special Issue seeks to advance our understanding of how metabolic control can be leveraged to prevent or delay age-related functional decline.

Guest Editors

Dr. Eloy Bejarano

School of Health Sciences, Universidad CEU Cardenal Herrera, 46115 Alfara del Patriarca, Spain

Dr. José Antonio Rodríguez Navarro

Department of Biochemistry and Molecular Biology, Faculty of Pharmacy, Complutense University of Madrid, Plaza Ramón y Cajal s/n, Ciudad Universitaria, 28040 Madrid, Spain

Deadline for manuscript submissions

15 November 2026



Cells

an Open Access Journal
by MDPI

Impact Factor 5.2
CiteScore 11.4
Indexed in PubMed



mdpi.com/si/258364

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 11.4
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

Neuroscience, UMN Twin Cities, 6-145 Jackson Hall, 321 Church 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 15.5 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the second half of 2025).