

Special Issue

Integrated Approaches Between Metabolomics and Cellular Aging

Message from the Guest Editors

This Special Issue will focus on the intersection of metabolomics and cellular aging, exploring how changes in metabolism influence aging at the cellular level and contribute to the development of age-related diseases. The issue aims to integrate the latest insights from metabolomic profiling with the biology of aging, highlighting how metabolic pathways, biomarkers, and cellular responses to oxidative stress, inflammation, and damage accumulation impact aging and cellular function. Topics covered will include the following: Metabolomics in Cellular Aging; Biomarkers of Cellular Aging; Cellular Mechanisms of Aging; Therapeutic Interventions Targeting Metabolic Pathways in Aging; Multi-Omics Approaches to Aging. Submissions are expected to include original research articles and review papers that advance our understanding of the role of metabolism in cellular aging. Contributions that incorporate cutting-edge metabolomic technologies, explore novel aging biomarkers, and highlight therapeutic strategies for promoting healthy aging are especially welcome.

Guest Editors

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Deadline for manuscript submissions

31 December 2025



Cells

an Open Access Journal
by MDPI

Impact Factor 5.2
CiteScore 10.5
Indexed in PubMed



mdpi.com/si/227090

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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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