

## Special Issue

# Advances on the Crosstalk Between Cell Senescence and Cellular Metabolism

### Message from the Guest Editor

Cellular senescence is recognized for its influence on cancer pathophysiology, as the senescence-associated secretory phenotype contributes to the inflammatory characteristics of the tumor microenvironment. Notably, the onset of cellular senescence coincides with a metabolic shift, which may serve as a significant target for elucidating the development of this phenotype. Therefore, in this Special Issue, we aim to investigate the current advances in the crosstalk between cell senescence and cellular metabolism.

### Guest Editor

Dr. Sebastiano Giallongo

1. Department of Biomedical and Biotechnological Sciences, University of Catania, 95123 Catania, Italy

2. Department of Medical-Surgical Science and Advanced Technologies "Ingrassia", University of Catania, Catania, Italy

### Deadline for manuscript submissions

20 August 2025



## Cells

an Open Access Journal  
by MDPI

Impact Factor 5.2  
CiteScore 10.5  
Indexed in PubMed



[mdpi.com/si/218205](https://mdpi.com/si/218205)

*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, 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).