Special Issue

The Molecular Mechanism of Cellular Senescence

Message from the Guest Editors

The aim of this Special Issue is to collect and discuss updated findings related to this fast-evolving area of study. Relevant topics include, but are not limited to: molecular biomarkers of cellular senescence suitable for its in vivo and in vitro studies; the identification of senescence-associated molecular signatures; molecular triggers of cellular senescence; molecular and cellular changes induced by senescence; the molecular and organismal effect of SASP; the role of cellular senescence in aging and aging-related diseases, in inflammation and fibrosis, in development and in cancer progression; novel therapeutic approaches based on the induction of senescence; and advances and limitations of senotherapies. Keywords

- cellular senescence
- aging
- aging-related diseases
- cancer
- inflammaging
- DNA damage
- telomere damage
- mitophagy
- senescence-associated secretory phenotype (SASP)
- stem cell exhaustion
- senolytic drugs
- senomorphic
- geroprotectors

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closed (15 February 2023)

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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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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).