Special Issue

Cellular Microenvironment, Cell Fate Determination and Organoid Modeling-from Somatic and Pluripotent Stem Cells

Message from the Guest Editors

Stem cells have the capability of self-renewal and potential to differentiation into various types of cells. The cellular microenvironment provides support and stimuli necessary to sustain their self-renewal, and it also influences the development of stem cells from quiescence through stages of differentiation. Whether to sustain self-renew or to differentiate? What specific types of cells to generate? However, these questions are not clearly answered yet. Furthermore, there are still issues unaddressed about the placiticity of differentiated cells into expandable ones using small molecules. To improve the current knowledge in these fields, this special issue aims to mainly calls for papers about stem cells-based researches on multicellular microenvironment, cell fate determination, organoid formation, scalable and suspension cultural system and expandable induction as well as disease modeling involved in all types of tissue or organs. We look forward to your contributions. Prof. Dr. Yun-wen Zheng

Co-

Guest Editors

Prof. Dr. Yun-Wen Zheng
Prof. Dr. Yuyou Duan
Dr. Li-Ping Liu

Deadline for manuscript submissions

closed (25 November 2022)

Cells

an Open Access Journal by MDPI

Impact Factor 5.2
CiteScore 10.5
Indexed in PubMed

mdpi.com/si/84146

Cells
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
cells@mdpi.com

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

MDPI

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, 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).