

Special Issue

Cell Calcium across the Phylogenetic Tree: From Physiological Signaling to Pathogenic Mechanisms

Message from the Guest Editor

This Special Issue is organized to provide a forum for all researchers and scholars whose activity is linked to the study of Ca^{2+} signaling and Ca^{2+} -regulated processes in all organisms across the phylogenetic tree. We welcome original research articles, reviews, commentaries, opinions and experimental protocols on the physiology and pathology of Ca^{2+} signals, components of the Ca^{2+} signaling toolkit, Ca^{2+} -regulated proteins and processes studied in the species populating the Earth. These include comparative studies and contributions regarding molecular and functional evolution of Ca^{2+} signaling components and Ca^{2+} -binding proteins. We also welcome contributions which exploit the molecules from diverse species to the study of Ca^{2+} signaling in health and disease.

Guest Editor

Dr. Dmitry Lim

Department of Pharmaceutical Science, University of Piemonte Orientale, 28100 Novara, Italy

Deadline for manuscript submissions

closed (15 June 2023)



Cells

an Open Access Journal
by MDPI

Impact Factor 5.2
CiteScore 10.5
Indexed in PubMed



mdpi.com/si/109215

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 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).