# **Special Issue**

# Regulation of Ca<sup>2+</sup> Signals in Human Disease

## Message from the Guest Editor

Calcium (Ca2+) signaling plays a pivotal role in a wide range of physiological processes, including gene expression, cell proliferation, metabolism, and apoptosis. The dysregulation of Ca2+ homeostasis is increasingly recognized as a contributing factor in the pathogenesis of numerous human diseases, such as cancer, neurodegenerative disorders, cardiovascular disease, and immune dysfunction. This Special Issue of *Cells* will highlight recent advances in our understanding of how Ca2+ signaling is regulated under physiological and pathological conditions. We welcome original research articles and reviews that explore molecular mechanisms, disease models, therapeutic targets, and novel imaging or analytical tools related to Ca2+ signaling in human health and disease.

### **Guest Editor**

Dr. Yandong Zhou

Department of Cellular and Molecular Physiology, Penn State University College of Medicine, Hershey, PA 17033, USA

## Deadline for manuscript submissions

31 March 2026



## Cells

an Open Access Journal by MDPI

Impact Factor 5.2 CiteScore 10.5 Indexed in PubMed



mdpi.com/si/244013

Cells
Editorial Office
MDPI, Grosspeteranla

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



## **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 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).

