

Special Issue

Induced Pluripotent Stem Cells (iPSCs): Molecular and Cellular Mechanisms

Message from the Guest Editors

Induced pluripotent stem cells (iPSCs) have emerged as a powerful tool for modeling development and disease, enabling breakthroughs in regenerative medicine, personalized therapies, and drug screening. This Special Issue aims to gather cutting-edge research and comprehensive reviews, exploring the molecular and cellular mechanisms that influence iPSC generation, maintenance, differentiation, and their applications in basic and translational science. We welcome the submission of contributions focusing on gene regulation, epigenetic reprogramming, cellular signaling, disease modeling, and innovative technologies in the iPSC field. Prof.

Guest Editors

Prof. Dr. Masmoudi-Kouki Olfa

Faculty of Sciences of Tunis, University Tunis El Manar, Tunis, Tunisia

Dr. Gérard Lizard

Team "Biochemistry of the Peroxisome, Inflammation and Lipid Metabolism", Université de Bourgogne, 21000 Dijon, France

Deadline for manuscript submissions

25 January 2026



Cells

an Open Access Journal
by MDPI

Impact Factor 5.2
CiteScore 10.5
Indexed in PubMed



mdpi.com/si/246269

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).