

## Topical Collection

# The Current Applications and Potential of Human Pluripotent Stem Cells

### Message from the Collection Editor

We are excited to announce a Special Issue in our journal *Cells* on the current applications and potential of human pluripotent stem cells. We invite researchers to submit original articles, reviews, and commentaries that showcase their expertise and contribute to advancing the field. Topics of interest include (but are not limited to) medical applications of pluripotent stem cells in regenerative medicine, research on genetic diseases, toxicology and pharmacology applications, and advances in culturing and differentiating human pluripotent stem cells. We welcome submissions that demonstrate the potential of organoids and biomaterials for various applications. We hope to receive high-quality submissions that inspire new directions in research and demonstrate the potential of pluripotent stem cells, organoids, and biomaterials for various applications. For any inquiries related to this Special Issue, please contact the Editorial Office.

### Collection Editor

Dr. Leila Maouche-Chretien

Laboratory of Molecular Mechanisms of Hematologic Disorders and Therapeutic Implications, INSERM UMR 1163, Imagine Institute, Paris-Centre University, F-75015 Paris, France



## Cells

an Open Access Journal  
by MDPI

Impact Factor 5.2  
CiteScore 10.5  
Indexed in PubMed



[mdpi.com/si/171736](https://mdpi.com/si/171736)

*Cells*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[cells@mdpi.com](mailto: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).