

## Special Issue

# Immunoregulatory Functions of Mesenchymal Stem Cells (MSCs)

### Message from the Guest Editor

Mesenchymal stem cells (MSCs) have drawn much interest from scientists for decades. Studies have focused on the basic characteristics and properties of MSCs and have shown that these cells can be obtained from various locations throughout the body, such as bone marrow, adipose tissue, the umbilical cord, and the synovium. Other studies have shown that MSCs can differentiate into many cells, such as osteoblasts, chondrocytes, and adipocytes, providing potential therapeutic approaches. Initially, the MSC-mediated therapeutic effects were thought to be attributed to their ability to differentiate; however, the focus has shifted to their paracrine effects and specifically to their ability to modulate immune responses. Many in vitro and in vivo studies have demonstrated the capability of MSCs to secrete factors and interact with immune cells to either suppress immune reactions or promote specific immune system-related functions.

### Guest Editor

Dr. Joni H. Ylostalo

Department of Biology, University of Mary Hardin-Baylor, Belton, TX, USA

### Deadline for manuscript submissions

30 October 2025



## Cells

an Open Access Journal  
by MDPI

Impact Factor 5.2  
CiteScore 10.5  
Indexed in PubMed



[mdpi.com/si/219555](https://mdpi.com/si/219555)

*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).