



*cells*



an Open Access Journal by MDPI

## Pluripotent Stem Cells for Regenerative Medicine

Guest Editor:

### **Prof. Dr. Claudia Spits**

Research Group Reproduction  
and Genetics, Vrije Universiteit  
Brussel, Brussels, Belgium

Deadline for manuscript  
submissions:

**closed (31 December 2021)**

### **Message from the Guest Editor**

Human pluripotent stem cells are slowly but steadily transitioning from bench to bedside, with the first clinical trials showing promising results. Nevertheless, the spectrum of potentially treatable conditions is still limited, and issues such as genome instability and suboptimal differentiation are significant hurdles to the safe transition of these cells to the clinic.

This Special Issue welcomes manuscripts providing insight on aspects relevant to the use of hPSC in regenerative medicine. We are interested in a wide range of work, including differentiation to novel cell types or improvement on existing cell types, and their preclinical testing. Work on biomaterials and scaffolding, with an eye for tissue engineering are also key for advanced hPSC-based therapy. Finally, work on safety, such as addressing the tumorigenic potential of hPSC-derived products, and scalability aspects, such as cell culture, are essential for the successful clinical application of these cells.



[mdpi.com/si/50697](https://mdpi.com/si/50697)

# Special Issue



*cells*



an Open Access Journal by MDPI

## Editors-in-Chief

**Prof. Dr. Alexander E. Kalyuzhny**

Neuroscience, UMN Twin Cities,  
6-145 Jackson Hall, 321 Church St  
SE, Minneapolis, MN 55455, USA

**Prof. Dr. Cord Brakebusch**

Biotech Research & Innovation  
Centre, The University of  
Copenhagen, Copenhagen,  
Denmark

## 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.

## Author Benefits

**Open Access:** free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

**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)

## Contact Us

---

*Cells* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/cells](http://mdpi.com/journal/cells)  
[cells@mdpi.com](mailto:cells@mdpi.com)  
[X@Cells\\_MDPI](#)