

## Special Issue

# Pluripotent Stem Cells for Regenerative Medicine

### 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.

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### Guest Editor

Prof. Dr. Claudia Spits

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

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### Deadline for manuscript submissions

closed (31 December 2021)



## Cells

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### 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.

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### Editors-in-Chief

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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).