

## Special Issue

# The Potential of Induced Pluripotent Stem Cells

### Message from the Guest Editor

Pluripotent stem cells (PSCs) have emerged as a transformative tool in regenerative medicine and disease modeling due to their unique ability to differentiate into any cell type in the human body. Over the past decade, significant advancements have been made in PSC engineering, including methods to efficiently reprogram somatic cells into induced pluripotent stem cells (iPSCs), genome editing techniques to precisely modify PSCs, and the development of novel culture systems to maintain PSC pluripotency and differentiation potential. As a guest editor for this journal, I am excited to present a collection of articles highlighting the latest breakthroughs and trends in PSC engineering. These articles cover a wide range of topics, including the use of CRISPR/Cas9 technology to correct genetic mutations in iPSCs for disease modeling and cell therapy, the application of bioengineering principles to enhance PSC differentiation into specific cell lineages, and the exploration of 3D organoid models derived from PSCs for drug screening and personalized medicine.

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### Guest Editor

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### Deadline for manuscript submissions

30 September 2026



## 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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