Special Issue

New Trends and Advances in Induced Neural Cells and iPSC Technologies

Message from the Guest Editor

Neurological disorders, and particularly neurodegenerative diseases, place a substantial burden on our aging society. Recent advances in induced pluripotent stem cell (iPSC) technology have opened unprecedented opportunities to study and model these conditions, providing a potentially unlimited source of cells for therapeutic applications. Precision genome editing represents a promising avenue to directly target and correct the underlying causes of disease. Emerging in vivo editing strategies, such as prime editing, enable precise modification of the human genome at specific loci. In parallel, the reprogramming of other cell types into neural cells (induced neural cells) offers an alternative and valuable source for cell-based therapies and drug discovery. In this Special Issue, we invite original research articles and comprehensive reviews that showcase recent progress, innovative concepts, and breakthrough discoveries in these rapidly advancing fields. We hope that this collection will serve as a platform for disseminating cutting-edge developments and inspiring further innovation in neurological disease research and therapy.

Guest Editor

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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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