

## Special Issue

# Genetic Regulation and Therapeutic Opportunities in Neurodegeneration and Neuroregeneration

### Message from the Guest Editor

Genetics is essential to the pathophysiological mechanisms of neurodegenerative or neurodevelopmental diseases. Recently, research our understanding of genetics and genomics as a personalized medicine in Parkinson's disease, Huntington's disease, amyotrophic lateral sclerosis and Alzheimer's dementia, as well as other neurological diseases, has progressed. In addition, studies on ex vivo cell-based therapy or in vivo reprogramming therapy to induce the restoration of damaged central nervous systems have contributed to the development of regenerative medicine. Articles submitted to this Special Issue should include basic, clinical and translational studies that provide insights into the diagnosis, pathophysiology and treatment of neurological diseases. We invite you to submit your research, including strategies for neuroregeneration and neural repair and genetic regulation and genomic changes following various therapeutic treatments, such as stem cell-based therapy, in vivo cellular reprogramming, gene therapy, genome editing technology, pharmacologic treatment, physical exercise, environmental enrichment, magnetic stimulation, electrical stimulation, and so on.

### Guest Editor

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### Deadline for manuscript submissions

closed (15 January 2024)



## Cells

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## 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.

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#### Journal Rank:

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