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## Genetic Regulation and Therapeutic Opportunities in Neurodegeneration and Neuroregeneration

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Deadline for manuscript  
submissions:

**closed (15 January 2024)**

### Message from the Guest Editor

Genetics is essential to the pathophysiological mechanisms of neurodegenerative or neurodevelopmental diseases. Recently, research on 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.



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**Special** Issue



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