



Stem Cells in Neurodegenerative Pathologies

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Message from the Guest Editors

Dear Colleagues,

Neurodegenerative diseases are characterized by the chronic and progressive loss of neuronal functions in specific brain areas, resulting in memory deficit, cognitive impairment, or impaired motor coordination. There is a wide range of hereditary and sporadic neurologic disorders such as Alzheimer's disease, Parkinson's disease, Huntington's disease, and amyotrophic lateral sclerosis. Experimental models that accurately mimic the development of neurodegenerative diseases in humans are desperately needed to understand the cause and mechanisms of these diseases, as well as to identify new therapeutic targets. Recent advances in stem cell technology have opened the path to the generation of induced pluripotent stem cells (iPSCs) from somatic cells.

In this Special Issue, we aim to summarize the current knowledge in this important field and give researchers the possibility of sharing novel data on the multiple aspects of modeling neurodegeneration by using stem cells.

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Message from the Editor-in-Chief

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