

## Special Issue

# Stem Cells in Neurodegenerative Pathologies

### Message from the Guest Editors

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.

*Guest Editor*

*Co-*

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### Guest Editors

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## International Journal of Molecular Sciences

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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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