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Advanced Studies of the Neuron Model of Neurodegenerative Diseases

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Message from the Guest Editors

Neurodegenerative diseases are characterized by progressive neuron damage and decreasing activity of synapses in the brain or peripheral nervous system, causing cognitive and motor symptoms and finally leading to human death.

Studies into the neurodegenerative mechanisms today represent the most complex and urgent challenge for neuroscience research. As research technologies continue to progress, several new experimental neuronal models are emerging. The different neuronal models attempt to deepen altered mechanisms related to neurodegeneration and neuroinflammation. For this purpose, it will be interesting to analyze the experimental models that closely mimic clinical features of human neurodegenerative disease, such as induced pluripotent stem cells, trans-differentiated neurons, organoids, and three-dimensional culture. Understanding these disease processes assist in identifying new effective therapies and developing personalized medicine.

We invite authors to submit research articles and reviews at different levels of analysis, dealing with the state of the art in this field.

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Message from the Editor-in-Chief

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