

Special Issue

Advanced Studies of the Neuron Model of Neurodegenerative Diseases

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.

Guest Editors

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You are invited to contribute a research article or a comprehensive review for consideration and publication in *Brain Sciences* (ISSN 2076-3425). *Brain Sciences* is an open access, peer-reviewed scientific journal that publishes original articles, critical reviews, research notes, and short communications on neuroscience. The scientific community and the general public can access the content free of charge as soon as it is published.

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