

Special Issue

Mechanisms of Neuronal Death during Neurodegenerative Disease and the Fundamentals of Synaptic Plasticity

Message from the Guest Editors

Neurodegeneration involves the progressive loss of neurons, leading to cognitive and motor dysfunctions. This process, often accelerated by aging, underlies various neurodegenerative diseases. The mechanisms contributing to neurodegeneration are complex, including neuroinflammation, mitochondrial dysfunction, oxidative stress, altered synaptic plasticity, and disrupted protein homeostasis. However, the exact mechanisms are not fully understood, limiting the effectiveness of current therapeutic approaches. While neurodegenerative diseases share common features, they also present unique challenges that require tailored treatment strategies. A deeper understanding of these mechanisms is essential for identifying new therapeutic targets. This Special Issue aims to showcase the latest research on neurodegeneration, focusing on mechanisms and potential therapeutic approaches. We invite both original research and comprehensive reviews.

Guest Editors

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