Special Issue

Molecular and Cellular Research of Neuroprotection and Neurodegeneration

Message from the Guest Editor

This Special Issue aims to present cutting-edge research exploring the molecular and cellular pathways involved in neuroprotection and neurodegeneration, with a particular emphasis on signal transduction mechanisms. We invite contributions that investigate signal transduction pathways involved in, but not limited to, the following:Synaptic signaling and plasticity; Oxidative stress and mitochondrial dysfunction; Inflammatory responses in the central nervous system; Therapeutic targets for Alzheimer's disease; Therapeutic targets for Parkinson's disease; Apoptosis and autophagy regulation in neurons; Protein aggregation and degradation pathways; Neurotrophic signaling and growth factor responses; Calcium homeostasis and excitotoxicity; New insights regarding different signaling pathways that can be involved in neurodegenerative diseases.

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