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The Role of Autophagy Processes in Neurodegenerative Diseases

Guest Editor:

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Deadline for manuscript submissions:
closed (20 April 2024)

Message from the Guest Editor

Dear Colleagues,

A hallmark event in neurodegenerative diseases (NDs) is the accumulation of misfolded proteins. The disease-associated proteins undergo misfolding from their native states to form neurofibrillary tangles that cause cellular toxicity and loss of neuronal connectivity. Emerging evidence suggests that autophagy, evolutionary conserved intracellular degradation machinery, contributes to the removal of aggregate-prone proteins in neurons, to support cellular homeostasis and protect against neurodegeneration. Defects in autophagy are often associated with the pathogenesis of NDs, including Alzheimer's disease (AD), Parkinson's disease (PD), Huntington's disease (HD), and amyotrophic lateral sclerosis (ALS). Thus, modulating autophagy is becoming a promising therapeutic approach against neurodegenerative disorders.

This Special Issue focuses on the molecular mechanisms of autophagy in the context of neurodegenerative disorders. We welcome submissions of original papers and reviews that cover this widely discussed topic.

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Message from the Editor-in-Chief

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