

Special Issue

Energy Metabolism in Neurodegenerative Diseases

Message from the Guest Editors

The incidence of age-related disorders, specifically neurodegenerative diseases, has been on the rise in correlation with the increase in life expectancy observed over the past century. A growing body of evidence suggests a strong link between metabolic dysregulation and the pathogenesis of neurodegeneration. Metabolic changes, such as alterations in energy metabolism, oxidative stress, and mitochondrial dysfunction, have emerged as key contributors to the neurodegenerative process. These metabolic disturbances can disrupt cellular homeostasis, impair neuronal function, and ultimately lead to neuronal death. Understanding the intricate interplay between metabolic alterations and neurodegeneration is of the utmost importance in unraveling the underlying mechanisms of these age-related disorders and identifying potential therapeutic targets. This Special Issue will highlight new insights into energy metabolism in neurodegenerative diseases. Moreover, studies that focus on the identification of biomarkers, therapeutic targets, and future treatments related to metabolic pathways are also welcome.

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About the Journal

Message from the Editor-in-Chief

The metabolome is the result of the combined effects of genetic and environmental influences on metabolic processes. Metabolomic studies can provide a global view of metabolism and thereby improve our understanding of the underlying biology. Advances in metabolomic technologies have shown utility for elucidating mechanisms which underlie fundamental biological processes including disease pathology. *Metabolites* is proud to be part of the development of metabolomics and we look forward to working with many of you to publish high quality metabolomic studies.

Editor-in-Chief

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