Special Issue

Molecular Insights in Neurodegeneration

Message from the Guest Editor

Neurodegenerative diseases represent a growing burden for global health, marked by complex molecular mechanisms that remain incompletely understood. This Special Issue will focus on uncovering the molecular underpinnings of neurodegeneration, including pathways of protein aggregation, mitochondrial dysfunction, oxidative stress, neuroinflammation, and disrupted neuronal signalling. We invite original research and review articles that offer molecular insights into conditions such as Alzheimer's disease, Parkinson's disease, amyotrophic lateral sclerosis, frontotemporal dementia, and related disorders. Studies addressing genetic susceptibility, epigenetic regulation, molecular biomarkers, and novel therapeutic targets are especially encouraged. Interdisciplinary contributions incorporating systems biology, transcriptomics, proteomics, and metabolomics are welcome. This issue aims to enhance our understanding of disease mechanisms and support the development of early diagnostics and effective therapeutic strategies.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

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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