## **Special Issue**

## Advances in Molecular Mechanisms of Neurodegeneration and Neuroinflammation

## Message from the Guest Editors

Neurodegenerative disorders, including Alzheimer's disease, Parkinson's disease, and amyotrophic lateral sclerosis, are characterized by the progressive loss of neurons and cognitive and/or motor impairments. Mounting evidence has revealed that neuroinflammation plays a pivotal role in the onset and progression of these disorders, interacting closely with cellular and molecular events such as oxidative stress, protein aggregation, mitochondrial dysfunction, and impaired autophagy. We invite original research articles, reviews, and short communications that focus on, but are not limited to, the roles of glial cell activation, immune signaling cascades, non-coding RNAs, epigenetic regulation, and novel therapeutic targets modulating these mechanisms. Submissions involving in vitro, in vivo, or computational models, as well as translational studies investigating potential biomarkers or pharmacological interventions, are welcome. This Special Issue seeks to provide a platform for the latest findings that could foster the development of innovative therapeutic strategies to prevent or delay neurodegeneration and its associated pathologies.

### **Guest Editors**

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## Deadline for manuscript submissions

31 October 2025



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## Message from the Editor-in-Chief

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## **Editor-in-Chief**

#### Prof. Dr. Maurizio Battino

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