

Special Issue

Neurodegenerative Diseases: Molecular Mechanisms, Drug Targets and Therapeutic Strategies

Message from the Guest Editor

A major challenge for researchers and our society is the lack of effective disease-modifying or curative treatments for neurodegenerative diseases such as Alzheimer's disease, Parkinson's disease, Huntington's disease, amyotrophic lateral sclerosis and multiple sclerosis. There is a critical need for therapies to prevent and/or slow the progression of these disorders. Several factors contribute to the neurodegenerative process, such as oxidative stress, excitotoxicity, protein aggregation, vascular dysfunction, and neuroinflammation, but gaining a better understanding of their contribution to disease pathology is key for identifying new potential therapeutic targets. To design effective therapies, it is fundamental to conduct studies that aim to increase understanding of the molecular mechanisms of disease pathology and identify the most promising drug targets.

We welcome the submission of original research and review articles on the advances in every aspect of research on molecular mechanisms and therapeutics relevant to neurodegenerative diseases.

Guest Editor

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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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