

Special Issue

Molecular Mechanisms and Pharmacological Approaches for Brain Injury

Message from the Guest Editor

Brain injury—whether that be stroke, spinal cord injury, traumatic brain injury, seizure, or brain tumors—represents a major cause of death and disability globally. To date, numerous efforts have been made to develop new therapeutics that modulate the pathogenesis of brain injury. Unfortunately, these studies have not led to the successful development and discovery of new drug targets. Therefore, uncovering the molecular mechanisms of injury, recovery, and neuroprotection is important for the development of novel effective therapies. The aim of this Special Issue is to collect up-to-date overviews of the current understandings of brain injury, molecular mechanisms, and pharmacological approaches, as well as the possible clinical translations and therapeutic strategies to treat brain injury. We invite authors to submit original research articles, reviews, and case reports focusing on molecular mechanisms and pharmacological therapies.

Guest Editor

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Deadline for manuscript submissions

closed (20 April 2025)



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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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