

## Special Issue

# Current Mechanisms and Pathophysiological Modifications in Brain Injury and Neurodegeneration

### Message from the Guest Editor

This Special Issue will cover a selection of recent research topics and current review articles, reporting on the latest updates in the molecular mechanisms underlying the pathophysiological modifications in brain injury and neurodegeneration. We will focus on the new perspectives regarding the pathological mechanisms and their interactions in the manifestation of various “classical” neuropsychiatric diseases, while considering relevant reports regarding less-studied or less-common neurodegenerative diseases, such as (but not limited to) motor neuron disease, sclerosis diseases, brain atrophy and atypical dementias. Moreover, we want to bring additional evidence of the between-neurodegeneration, neuroinflammation and oxidative stress from various perspectives, and to improve understanding of the molecular mechanisms underlying common, yet untreatable neurodegenerative diseases, as well as also rare neurodegenerative disorders of which the pathomechanisms are not understood to date.

### Guest Editor

Dr. Alin Ciobica

Department of Biology, Faculty of Biology, Alexandru Ioan Cuza University of Iasi, 700506 Iasi, Romania

### Deadline for manuscript submissions

closed (31 August 2024)



## International Journal of Molecular Sciences

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Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[ijms@mdpi.com](mailto:ijms@mdpi.com)

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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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### Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences,  
Sez-Biochimica, Faculty of Medicine, Università Politecnica delle  
Marche, Via Ranieri 65, 60100 Ancona, Italy

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