

Special Issue

Pathophysiology and Novel Therapeutic Strategies of Neurological Diseases

Message from the Guest Editor

Neurological disorders are a leading cause of disability. Despite dramatic improvements in the diagnosis, significant results have not been obtained with regard to the associated pathogenetic mechanisms and the identification of effective treatments. Translational research in neuroscience can bridge this gap by transferring knowledge gained through basic science into therapeutic interventions. Indeed, a 'bench-to-bedside' approach, based on the application in clinical practice of the results obtained from the investigation of pathogenetic mechanisms using different disease models, has profoundly changed the therapeutic scenario of neurological diseases in recent years. Such as spinal muscular atrophy, hereditary transthyretin amyloidosis, or myasthenia gravis. At the same time, an accurate pathophysiological characterization of hereditary and acquired neurological disorders can define new therapeutic perspectives.

For this Special Issue, we are looking for original research articles and state-of-the-art reviews on the pathophysiological mechanisms underlying common and rare neurological diseases and on innovative therapeutic approaches to these disorders.

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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