

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

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