

Special Issue

Neurological Diseases: From Molecular Mechanisms to Clinical Practice

Message from the Guest Editors

The increasing incidence of neurological diseases in young people together with the population's aging, as well as discovery of new mutations that cause neurological disorders are not good indicators for the future. Unfortunately, effective methods of neuroprotection are lacking. The available therapies reduce the neurodegeneration rate to a certain extent but cannot cure or significantly slow down a disease. Many suggested agents were found to protect nerve cells in vitro and in animal brain but were ineffective or caused unacceptable side effects in humans. To find effective neuroprotectors, a profound study of the molecular mechanisms of neurodegeneration and neuroprotection is needed. Between the initial processes leading to damage propagation and the final processes resulting in neurodegeneration or neuroprotection with brain tissue recovery lies a vast field of biochemical signaling connected with transcription and epigenetic mechanisms. This Special Issue will collect reviews and original articles on new approaches to find promising strategies for treating neuropathologies.

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About the Journal

Message from the Editor-in-Chief

Journal of Personalized Medicine is one of the few journals that covers the diverse areas involved in the field, including research at basic, translational, and clinical levels. It focuses on “omics”-level studies that seek to define the basis of interindividual variation in susceptibility for a disease, its prognosis or definition of clinical subsets, and response to therapy (pharmacogenomics). We are also interested in systems biology as it relates to interindividual variation, and research on new methodologies, informatics, and biostatistics, in the aforementioned areas.

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