

Special Issue

New Advances in Brain Remodeling and Recovery in Cerebrovascular Diseases

Message from the Guest Editor

Old age is associated with an enhanced susceptibility to neurodegenerative diseases. Despite the initial hope that cell-based therapies may stimulate restorative processes in the degenerative brain, it is now recognized that the aging processes may promote an unfavorable environment for such treatments. In the last several years, many groups have focused on exploiting brain plasticity, that is preserved to some extent even in the old brains, to enhance endogenous repair mechanisms of the brain after insults, such as traumatic brain injury or cerebral ischemia. Brain plasticity allows continuous remodeling of brain structure and function during aging and disease. People who incur a brain injury are prone to the development of neurodegenerative and neuroendocrine disorders. Thus, a traumatic brain injury (TBI) can trigger pathological changes within brain circuits and might lead to long-term cognitive and neuropsychological impairments. This Special Issue of *Biomedicines*, will provide up-to-date information on molecular, cellular, and behavioral events associated with brain remodelling in response to aging and disease and open new avenues for treatment options.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

Biomedicines (ISSN 2227-9059) is an open access journal devoted to all aspects of research on human health and disease, the discovery and characterization of new therapeutic targets, therapeutic strategies, and research of naturally driven biomedicines, pharmaceuticals, and biopharmaceutical products. Topics include pathogenesis mechanisms of diseases, translational medical research, biomaterial in biomedical research, natural bioactive molecules, biologics, vaccines, gene therapies, cell-based therapies, targeted specific antibodies, recombinant therapeutic proteins, nanobiotechnology driven products, targeted therapy, bioimaging, biosensors, biomarkers, and biosimilars. The journal is open for publication of studies conducted at the basic science and preclinical research levels. We invite you to consider submitting your work to *Biomedicines*, be it original research, review articles, or developing Special Issues of current key topics.

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