



New Advances in Brain Remodeling and Recovery in Cerebrovascular Diseases

Guest Editor:

Prof. Dr. Aurel Popa Wagner

Center of Experimental and
Clinical Medicine, University of
Medicine and Pharmacy, Craiova,
Romania

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Message from the Guest Editor

Dear Colleagues,

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.





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Editor-in-Chief

Prof. Dr. Felipe Fregni

1. Neuromodulation Center and
Center for Clinical Research
Learning, Spaulding
Rehabilitation Hospital and
Massachusetts General Hospital,
Harvard Medical School, Boston,
MA 02114, USA
2. Department of Epidemiology,
Harvard T.H. Chan School of
Public Health, Boston, MA 02115,
USA

Message from the Editor-in-Chief

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Biomedicines Editorial Office
MDPI, Grosspeteranlage 5
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