

Special Issue

Ischemic Brain Neurodegeneration 2.0

Message from the Guest Editor

Brain ischemia is one of the most common forms of neurodegeneration, with a series of pathological processes that occur mainly post-ischemia and gradually spread to various brain structures. Both ischemic stroke in humans and experimental brain ischemia are life-threatening pathological events with the development of Alzheimer's disease-type dementia. It is, therefore, important to better understand the contribution of neuronal death to neurodegeneration, the molecular and cellular mechanisms leading to neuronal death, and to identify natural or unnatural molecules that can prevent this death. Progress in understanding new key processes induced by brain ischemia, like changes in the genotype and phenotype of the Alzheimer's disease-type, which are not yet fully explained, may help develop strategies for prevention and treatment post-ischemic neurodegeneration.

Guest Editor

Prof. Dr. Ryszard Pluta

Department of Pathophysiology, Medical University of Lublin, 20-090 Lublin, Poland

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences,
Sez-Biochimica, Faculty of Medicine, Università Politecnica delle
Marche, Via Ranieri 65, 60100 Ancona, Italy

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