



## Brain Injury and Neurodegeneration: Molecular, Functional, and Translational Approach 2.0

Guest Editors:

**Dr. Kumar Vaibhav**

**Dr. Pankaj Ahluwalia**

**Dr. Pankaj Gaur**

**Dr. Meenakshi Ahluwalia**

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submissions:

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### Message from the Guest Editors

With the advance of neuroscience research, we have come across different kinds of brain pathologies such as traumatic brain injury (TBI), hypoxic/hypobaric insults, hemorrhages, stroke, and neurological disorders such as Parkinson's and Alzheimer's diseases. Any insult to brain (mild or acute) is multifactorial and initiates a cascade of inflammation, necrotic, and apoptotic pathways. It has long been known that insult or injury to brain may lead to neurological disorders as time elapses, and genetic or environmental factors play important roles in the progression of disease. A large body of evidence has shown that oxidative stress, mitochondrial dysfunctions, protein aggregation and phosphorylation, excessive iron accumulation in the brain, and neuro-inflammation play a pivotal role in neurodegeneration and brain injuries. The absence of a specific cure to limit injury progression after insult has spurred the scientific community to study the mechanism behind the degenerative cascade and to explore different therapeutic strategies.

This Special Issue will provide a multidisciplinary platform for discussing the pathology and intervention of brain disorders.





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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, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
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