



## Brain Injury: New Insights into Mechanisms and Future Promising Treatments

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### Message from the Guest Editors

Every year, more than 85 million people suffer from acquired brain injuries, with traumatic injury and stroke being their most common causes. Most of the therapeutic approaches in brain injury management used thus far in preclinical and clinical studies have been focused on attempts to reduce the sequelae of the injury and enhance the function of the remaining brain tissue. However, this approach does not address the need to regenerate or replace damaged or necrotic tissue. One of the promising approaches for the repair of traumatically injured brains involves using nanotechnology and tissue engineering approaches, techniques that focus on bridging the structural gaps and allowing the reconnection of the severed neuronal processes.

This Special Issue aims to cover the current research from preclinical and clinical studies, as well as reviews, and to identify the current knowledge and opportunities for future tailored research concerning the field of brain injury mechanisms and treatment, with an emphasis on regenerative and restoration techniques. Submissions that focus on the neuropathological molecular mechanisms involved in brain injury pathophysiology are also encouraged.





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## Message from the Editor-in-Chief

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