



## Molecular Mechanisms and Novel Therapies for Brain Injury

Guest Editor:

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### Message from the Guest Editor

Dear Colleagues,

Brain injury—whether that be stroke, spinal cord injury, traumatic brain injury, seizure, brain tumors—is the leading cause of death and disability globally. To date, numerous efforts have been made to develop new therapeutics that modulate the pathogenesis of brain injury. Unfortunately, these studies have not led to the successful development and discovery of new drug targets, biomarkers, and therapeutics that tackle brain injury. Therefore, uncovering the molecular mechanisms of injury, recovery, and neuroprotection is important for the development of novel, effective therapies.

This Special Issue aims to collect up-to-date overviews of the current understandings of brain injury, molecular mechanisms, and novel therapies, as well as the possible clinical translations and therapeutic strategies to treat brain injury. These should highlight, but are not limited to, molecular or genetic manipulation affecting protective or detrimental outcomes, the mechanisms of action of various pharmacological agents, innovative therapeutic strategies for treatment, and neuroinflammation.

Dr. Arjun Sapkota  
*Guest Editor*





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