Special Issue

Innovations in Acute Stroke Treatment, Neuroprotection, and Recovery

Message from the Guest Editor

The treatment of acute ischemic stroke has altered significantly with the advent of reperfusion therapies, yet critical challenges related to the optimization of neuroprotection, the mitigation of secondary injury, and the enhancement of post-stroke recovery remain. This Special Issue, entitled "Innovations in Acute Stroke Treatment, Neuroprotection, and Recovery", aims to present cutting-edge advancements that address these challenges and redefine stroke care, from hyperacute intervention to long-term functional restoration.Additionally, we seek high-impact studies on post-stroke recovery, including neuroplasticity-driven rehabilitation, brain–computer interfaces, neuromodulation, and personalized strategies that prevent stroke-related cognitive impairment. This Special Issue will particularly focus on translational research that integrates preclinical discoveries with real-world clinical applications, as well as approaches to health systems that reduce disparities and improve outcomes across diverse populations.

Guest Editor

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Message from the Editor-in-Chief

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