

Special Issue

Emerging Therapeutic Candidates for Stroke Treatment

Message from the Guest Editors

Stroke continues to be a leading cause of death and long-term disability worldwide. There are two main types of stroke: ischemic and hemorrhagic stroke.

Mechanical/pharmacologic reperfusion therapy is currently the most effective treatment for ischemic stroke, while the medical intervention for hemorrhagic stroke aims to remove the hematoma and stop bleeding, usually through a surgical procedure. Obviously, current therapeutic options for stroke patients, especially pharmacologic interventions, are very limited. In this regard, at least two categories of potential stroke therapeutics are urgently needed. The first category is cerebroprotective adjuvant agents that can decelerate the progression of stroke-induced brain injury and thus extend the therapeutic window. The second could be administered to augment the beneficial effects of acute treatment and/or promote brain recovery during the chronic stroke phase. We hope that this collection will serve as a valuable resource in the search for novel stroke treatments that will ultimately improve the quality of life of patients suffering from stroke.

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