



Molecular Signaling in Stroke

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Deadline for manuscript
submissions:

closed (30 June 2022)

Message from the Guest Editors

A Special Issue on the pertinent topic “Molecular Signaling in Stroke” is being prepared for the journal IJMS. Despite the large amount of fundamental research focused on ischemic and hemorrhagic stroke, much remains to be elucidated pertaining to molecular mechanisms central to stroke; for example, the role of amyloid-beta protein in iatrogenic amyloid-beta cerebral amyloid angiopathy (iCAA) in stroke. Several animal and human studies have elucidated the mechanism of miRNAs expression in brain and blood after ischemic or hemorrhagic injury. Recently, complement proteins (C3aR and C1q) have shown the important role in the pathophysiology of stroke. The identification of the additional genes will lead to a greater level of knowledge about stroke and the discovery of new treatments. Original manuscripts and reviews dealing with the mechanisms involved in hypercoagulability, endothelial injury, disseminated intravascular coagulation, necrotizing encephalopathy, vasculitis, cardiomyopathy, micro vascular thrombosis, deep venous thrombosis and systematic hypoxia associated with stroke are warmly welcome.





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Message from the Editor-in-Chief

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