

## Special Issue

# Molecular Mechanisms of Cerebrovascular Diseases

### Message from the Guest Editors

Cerebrovascular diseases are a heterogenous group of disorders that affect brain vasculature structure and cerebral blood flow regulation. The common pathological event related to cerebrovascular diseases is stroke, manifested as a sudden cessation of blood flow due to vessel occlusion (ischemic stroke), transient occlusion with recovery (transient ischemic attack), or vessel rupture (hemorrhagic stroke). Brain endothelial cell dysfunction, vessel wall deterioration, and perivascular environment remodeling are major pathological substrates in cerebrovascular diseases. This Special Issue is focused on the molecular mechanisms of endothelial dysfunction and perivascular environment remodeling that lead to lodging of thromboemboli, vessel occlusion and rupture, the mechanism of aging and metabolic vascular wall degeneration, vascular injury and remodeling in sporadic and inherited vascular malformations, and mechanisms of impaired cerebral autoregulation. We welcome submissions of original research and review articles related to any aspect of the molecular mechanisms and pathogenesis of cerebrovascular diseases, identification and exploration of novel targets, and biomarkers.

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### Guest Editors

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### Deadline for manuscript submissions

closed (28 April 2022)



## International Journal of Molecular Sciences

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