# **Special Issue**

# Pathophisiology and Treatment of Stroke: Present Status and Future Perspective

# Message from the Guest Editor

Stroke is one of the most important causes of disability in Western countries. Although conventional risk factors, such as hypertension, diabetes, atrial fibrillation, smoking, hyperlipidemia and obesity, have been clearly associated with increased stroke risk, the pathogenesis of stroke remains largely unknown. The most common theory is that stroke is a multifactorial disease involving several cellular and molecular signaling cascades that make the pathogenesis complex and the development of effective treatment extremely difficult. For a deeper understanding of the diverse pathological mechanisms and of biological and molecular events that occur in stroke, experimental animal models of ischemic stroke and in vitro cellular stroke models have been developed. However, in most cases, best-practice guidelines for experimental models of stroke are not fully established, reflecting the failure of several neuroprotective and cellular therapies.

For this Special Issue, we would like to invite reviews and original articles that focus on the most advanced and intriguing pathophysiological mechanisms and on preclinical experimental models highly relevant for clinical study implementation.

## **Guest Editor**

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## Deadline for manuscript submissions

closed (31 July 2020)



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# Message from the Editor-in-Chief

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#### **Editor-in-Chief**

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