

Tentative Outline

Special Issue for Current Medicinal Chemistry

Guest Editor: Dr. Bersano Anna

Title of Thematic Issue: Pathophysiological mechanisms of Cerebrovascular diseases

Aims & Scope:

Stroke is one of the most important causes of disability in Western countries. Although conventional risk factors as hypertension, diabetes, atrial fibrillation, smoking, hyperlipidemia and obesity have been clearly associated with an increased stroke risk, the pathogenesis of stroke remains largely unknown. This makes the development of effective treatment extremely difficult. It is believed that the pathogenesis of stroke is a complex and multifactorial including several cellular and molecular inflammatory, immune and apoptotic signals as well as Blood Brain Barrier (BBB) damage. Genetics factors are also probably involved. Experimental animal models and in vitro cellular stroke models mimicking stroke have been developed to approach the diverse pathological mechanisms and biological and molecular events occurring in stroke. This is fundamental to identify possible disease markers and therapeutic targets. For this Special Thematic Issue of CMC I would like to invite reviews and original articles that focus on updates on pathophysiological mechanisms of cerebrovascular diseases.

Keywords: stroke, cerebrovascular diseases, pathophysiology, genetics, experimental models

Subtopics:

Pathophysiological mechanisms of Stroke

Genetics of stroke

Inflammation and stroke

The role of immune system in stroke pathogenesis

Experimental models in stroke

Schedule:

Submission deadline is May 31st 2021