



Cerebral Hemorrhages: From Pathophysiologic Mechanisms to Therapeutic Strategies

Guest Editor:

Dr. Yingfeng Wan

Department of Neurosurgery,
Medical School, University of
Michigan, Ann Arbor, MI 48109,
USA

Deadline for manuscript
submissions:

31 May 2024

Message from the Guest Editor

Cerebral hemorrhages are a group of diseases that induce brain damage and subsequent functional impairment. Brain edema, vasospasm, breakdown of the blood–brain barrier, activation of microglia/macrophages, and remodeling of the perilesional environment are major pathological substrates in hemorrhagic stroke. A wide variety of conditions, risk factors, and disorders (such as hypertension, aneurysm, tumor, trauma, arteriovenous malformation, etc.) lead to cerebral hemorrhages, although the underlying pathophysiologic mechanisms remain unclear and effective treatments are limited.

This Special Issue focuses on the pathophysiologic mechanisms of primary and secondary brain injury, the mechanism of aging, mechanisms of impaired blood–cerebrospinal fluid barriers, and perilesional environment remodeling leading to immune cells infiltration and microbleeds. This Special Issue also welcomes articles that provide an overview of the role of white matter injury, phagocytosis, hemolysis, and immune system molecular mechanisms in the pathogenesis of cerebral hemorrhage diseases and corresponding treatment approaches.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Felipe Fregni

1. Neuromodulation Center and
Center for Clinical Research
Learning, Spaulding
Rehabilitation Hospital and
Massachusetts General Hospital,
Harvard Medical School, Boston,
MA 02114, USA
2. Department of Epidemiology,
Harvard T.H. Chan School of
Public Health, Boston, MA 02115,
USA

Message from the Editor-in-Chief

Biomedicines (ISSN 2227-9059) is an open access journal devoted to all aspects of research on human health and disease, the discovery and characterization of new therapeutic targets, therapeutic strategies, and research of naturally driven biomedicines, pharmaceuticals, and biopharmaceutical products. Topics include pathogenesis mechanisms of diseases, translational medical research, biomaterial in biomedical research, natural bioactive molecules, biologics, vaccines, gene therapies, cell-based therapies, targeted specific antibodies, recombinant therapeutic proteins, nanobiotechnology driven products, targeted therapy, bioimaging, biosensors, biomarkers, and biosimilars. The journal is open for publication of studies conducted at the basic science and preclinical research levels. We invite you to consider submitting your work to *Biomedicines*, be it original research, review articles, or developing Special Issues of current key topics.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [PMC](#), [CAPUS / SciFinder](#), and [other databases](#).

Journal Rank: JCR - Q1 (*Pharmacology & Pharmacy*) / CiteScore - Q2 (*Medicine (miscellaneous)*)

Contact Us

Biomedicines Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/biomedicines
biomedicines@mdpi.com
[X@Biomed_MDPI](#)