## **Special Issue**

# The Latest Exploration of Cerebrovascular Diseases: From Preclinical Research to Treatment—2nd Edition

## Message from the Guest Editors

The latest exploration of cerebrovascular diseases, which encompasses a range of conditions affecting blood flow to the brain and cerebral hemodynamic status, has marked significant advancements from preclinical research to clinical treatments. Preclinical studies have delved into the intricate mechanisms of these diseases, uncovering critical insights into risk factors, genetic predispositions, and molecular pathways. Breakthroughs in neuroimaging and biomarker identification have enhanced early detection and diagnosis, paving the way for more targeted interventions.

This Special Issue includes, but is not limited to, the following studies on cerebrovascular diseases:

- Novel, non-invasive, and quantitative imaging techniques to assess brain hemodynamics and collateral vessel status through innovative MRI methods.
- 2. Neuroprotective drugs and advanced endovascular techniques.
- Regenerative medicine, including stem cell therapy, etc.
- 4. Personalized medicine.
- 5. Integrating artificial intelligence and machine learning.

## **Guest Editors**

Dr. Basil Grüter

- Department of Neurosurgery, St. Gallen Cantonal Hospital, 9000 St. Gallen, Switzerland
- 2. Department of Neuroradiology, Timone Hospital, Marseille, France

Dr. Martina Sebök

- Department of Neurosurgery, University Hospital Zurich, 8091 Zurich, Switzerland
- 2. Division of Neurosurgery, Toronto Western Hospital, University Health Network, University of Toronto, Toronto, ON, Canada

## Deadline for manuscript submissions

30 June 2026



# Brain Sciences

an Open Access Journal by MDPI

Impact Factor 2.8
CiteScore 5.6
Indexed in PubMed



mdpi.com/si/257844

Brain Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
brainsci@mdpi.com

mdpi.com/journal/ brainsci





# Brain Sciences

an Open Access Journal by MDPI

Impact Factor 2.8 CiteScore 5.6 Indexed in PubMed



## **About the Journal**

## Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Brain Sciences* (ISSN 2076-3425). *Brain Sciences* is an open access, peer-reviewed scientific journal that publishes original articles, critical reviews, research notes, and short communications on neuroscience. The scientific community and the general public can access the content free of charge as soon as it is published.

## Editor-in-Chief

Prof. Dr. Stephen D. Meriney

Department of Neuroscience, University of Pittsburgh, Pittsburgh, PA 15260. USA

#### **Author Benefits**

## **High Visibility:**

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, PSYNDEX, PsycInfo, CAPlus / SciFinder, and other databases.

## **Rapid Publication:**

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.2 days after submission; acceptance to publication is undertaken in 1.9 days (median values for papers published in this journal in the first half of 2025).

## **Recognition of Reviewers:**

reviewers who provide timely, thorough peer-review reports receive vouchers entitling them to a discount on the APC of their next publication in any MDPI journal, in appreciation of the work done.

