

Special Issue

Molecular Insights into Cerebrovascular Diseases

Message from the Guest Editor

Cerebrovascular diseases represent a major global health burden as leading causes of mortality and long-term disability. This Special Issue aims to bring together high-quality original research and reviews that provide mechanistic, translational, and therapeutic insights into cerebrovascular diseases. Manuscripts addressing the following areas are particularly welcome:

- Molecular and cellular mechanisms of cerebrovascular pathophysiology (e.g., oxidative stress, endothelial dysfunction, neuroinflammation, mitochondrial impairment, epigenetic regulation).
- Novel biomarkers for diagnosis, prognosis, and therapeutic response prediction.
- Innovative therapeutic approaches targeting molecular pathways, including small molecules, biologics, RNA-based therapeutics, and nanotechnology.
- Omics-based approaches (genomics, transcriptomics, proteomics, metabolomics) for disease characterization and precision medicine applications.
- Translational perspectives: bridging molecular insights with clinical practice to improve patient outcomes

Guest Editor

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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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