

Special Issue

Molecular and Cellular Mechanisms of Ischemic Stroke

Message from the Guest Editor

This Special Issue of *Cells*, titled "**Molecular and Cellular Mechanisms of Ischemic Stroke**", aims to provide a comprehensive overview of the complex pathophysiological processes underlying ischemic stroke at the molecular and cellular levels. Ischemic stroke remains a leading cause of death and long-term disability worldwide, yet effective therapeutic options are limited. Understanding the intricate interplay between neurons, glial cells, the neurovascular unit, immune responses, and systemic factors is essential for developing novel diagnostic markers and targeted therapies. We welcome all original research articles, reviews, and communications focusing on this topic. Both in vitro and in vivo models, translational and human studies, as well as studies on rare causes of stroke are within the scope of this Special Issue. Contributions that highlight molecular pathways with clinical relevance are particularly welcome.

Guest Editor

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Message from the Editorial Board

Cells has become a solid international scientific journal that is now indexed on SCIE and in other databases. We have successfully introduced a special issues format so that these issues serve as mini-forums in specific areas of cell science. *Cells* encourages researchers to suggest new special issues, serve as special issues editors, and volunteer to be reviewers. Our main focus will remain on cell anatomy and physiology, the structure and function of organelles, cell adhesion and motility, and the regulation of intracellular signaling, growth, differentiation, and aging. We are open to both original research papers and reviews.

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