

Special Issue

New Developments in Pharmacological Drug Discovery for Cardio- and Neuroprotection against Ischemia/Reperfusion Injury

Message from the Guest Editors

Cardiovascular disease is a significant health burden which is steadily rising. Ischemia/reperfusion injury to vital organs such as the heart and brain, encountered during myocardial infarction, stroke, and/or cardiac arrest, often results in death or permanent disability. Although ischemia already causes enormous detriment, the reintroduction of blood flow during reperfusion is thought to contribute even more to the overall injury. Thus, novel strategies to reduce vital organ injury during ischemia and upon reperfusion are desperately needed. This Special Issue of *Cells* is designed to highlight new developments in pharmacological drug discovery to specifically aid in neuro- and cardioprotection. We welcome high-quality basic science and translational studies that contribute to progress in this important field.

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About the Journal

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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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the first half of 2025).