

Special Issue

Advances in Vascular Aging

Message from the Guest Editors

This Special Issue delves into the innovative advancements in understanding vascular aging from a comprehensive pathophysiological perspective. Early vascular aging (EVA) refers to premature changes in blood vessels, involving structural and functional changes in the arterial tree, which results in increased arterial stiffness compared to natural aging. EVA significantly increases cardiovascular risk and plays a pivotal role in the cardiovascular continuum. The collection of articles featured in this Special Issue will offer an in-depth exploration of the underlying mechanisms, contributing factors, and novel interventions related to EVA. The articles to be included in this Special Issue will cover a range of topics, from molecular and cellular aspects to systemic influences on vascular health. Researchers could present novel findings on the role of oxidative stress, inflammation, and genetic factors in accelerating vascular aging. Insights into endothelial dysfunction, a hallmark of vascular aging, are advocated, shedding light on potential therapeutic targets.

Guest Editors

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Deadline for manuscript submissions

closed (20 September 2024)



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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).