

## Special Issue

# Inflammatory Signaling and Vascular Dysfunction in Atherosclerosis

### Message from the Guest Editors

Atherosclerosis, a chronic inflammatory disease of the arterial wall, is driven by complex interactions between vascular dysfunction and aberrant immune responses. Endothelial cell activation, monocyte recruitment, and phenotypic switching are critical events orchestrated by an intricate network of intracellular signaling pathways. This Special Issue aims to highlight cutting-edge research that elucidates the molecular mechanisms linking inflammatory signaling to vascular pathology in atherosclerosis. We welcome original research and review articles that explore topics including, but not limited to, the following: the role of GPCR signaling in leukocyte–endothelial interactions; mechanistic insights into EndMT in plaque stability; novel signaling pathways in sterile inflammation; the impact of metabolic interventions on vascular inflammation; and applications of single-cell omics to decipher cellular crosstalk in the atherosclerotic niche. By integrating insights from vascular biology and immunology, this Special Issue seeks to identify novel therapeutic targets for combating atherosclerotic diseases.

### Guest Editors

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### Deadline for manuscript submissions

31 May 2026



## Cells

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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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### Editors-in-Chief

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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).