

## Special Issue

# Lipid Metabolism and Atherosclerosis: Cell Specific Functions and Molecular Mechanism of the Disease

### Message from the Guest Editor

Atherosclerosis is primarily regarded as a chronic inflammatory disease of the arterial wall. This condition arises from a combination of imbalanced lipid metabolism and inflammatory responses. Increasing evidence highlights the significant contributions of various arterial wall cells in the initiation and progression of atherosclerosis. These cells are capable of taking and processing circulating lipids, further contributing to the inflammatory responses within the arterial wall. This Special Issue aims to provide new in-sights into the roles of different aortic cell types and their contributions to lipid metabolism, inflammation, and the initiation and progression of atherosclerosis. We invite the submission of scientific contributions focused on lipid dysregulation and inflammation and their consequences in cardiovascular disease and associated cardiometabolic disorders. While original research articles are highly encouraged, we also welcome review articles that comprehensively cover this topic.

### Guest Editor

Dr. Pablo Fernández-Tussy

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### Deadline for manuscript submissions

closed (20 February 2025)



## Metabolites

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## About the Journal

### Message from the Editor-in-Chief

The metabolome is the result of the combined effects of genetic and environmental influences on metabolic processes. Metabolomic studies can provide a global view of metabolism and thereby improve our understanding of the underlying biology. Advances in metabolomic technologies have shown utility for elucidating mechanisms which underlie fundamental biological processes including disease pathology. *Metabolites* is proud to be part of the development of metabolomics and we look forward to working with many of you to publish high quality metabolomic studies.

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### Editor-in-Chief

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 14.4 days after submission; acceptance to publication is undertaken in 3.6 days (median values for papers published in this journal in the first half of 2025).