Special Issue

ROS in Atherosclerosis and Cardiometabolic Disorders

Message from the Guest Editor

Reactive oxygen/nitrogen species (ROS) are reactive intermediates of oxygen and nitrogen produced from various metabolic processes in various cells and involved in essential biological processes. Oxidative stress resulting from increased production of ROS and/or reduced antioxidant capacity is an important mechanism underlying the pathogenesis of many common diseases, including atherosclerosis and cardiometabolic disorders. Risk factors of cardiometabolic disorders, such as age, smoking, high-fat diet, dyslipidemia, hyperglycemia, and obesity, are major drivers of oxidative stress. The latter triggers inflammation and endothelial dysfunction, the key features of atherosclerosis and cardiometabolic disorders. In this Special Issue, we will consider both original and review articles that focus on ROS in atherosclerosis and cardiometabolic disorders. Cells is an open access journal that covers every topic related to cell biology and physiology, molecular biology, and biophysics. Thus, our major focus is on experimental cytology rather than on clinical and epidemiological studies. I look forward to receiving your contributions.

Guest Editor

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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).