

Special Issue

Molecular Mechanisms and Pathophysiology of Atherosclerosis

Message from the Guest Editor

A Special Issue on the hot topic “Molecular Mechanisms and Pathophysiology of Atherosclerosis” is being prepared for the journal IJMS. There are several aspects that contribute to plaque formation: lipid metabolism dysregulation, unbalance cholesterol levels in plasma, and the dysfunction and inflammation of the three key components of the arterial wall, which are the endothelial, vascular smooth muscle cell, and macrophages. Moreover, in the era of the precision nanomedicine, significant efforts have been focused on the development of therapeutic tools capable of specifically direct treatment of those key cells that play an important role during atheroma progression. Besides, Non-Coding RNA have emerged as important transcriptional and post-transcriptional regulators of target genes in several pathological diseases, including atherosclerosis, which is a major risk for cardiovascular disease and death. However, the major challenges of therapies with non-coding RNAs are to achieve tissue-specific, efficient, and safe delivery in vivo. Thus, we warmly welcome original papers and reviews on this widely discussed topic.

Guest Editor

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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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