



Molecular Mechanisms and Pathophysiology of Atherosclerosis

Guest Editor:

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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.





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Message from the Editor-in-Chief

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