

Special Issue

Molecular and Cellular Mechanism of Atherosclerosis and Atherosclerotic Diseases: Focus on Lipid Accumulation and Inflammation

Message from the Guest Editor

Atherosclerosis underlies many cardiovascular diseases, which are one of the leading causes of morbidity and mortality in the world. Nevertheless, there is still debate about what is the main cause of atherosclerosis: accumulation of lipids or chronic inflammation in the vascular wall. In recent years, researchers have begun to assign a leading role in the progression of this disease to inflammation. Inflammation can alter the functionality of cells, facilitating foam cell formation and apoptosis. Despite this, in the classical view, modified LDL induces the accumulation of intracellular cholesterol, which in turn leads to a cellular pro-inflammatory response. However, in the light of inflammatory theory, the reverse process is most likely possible: pro-inflammatory cytokines are triggers that promote the accumulation of cholesterol in the cell, including when interacting with modified LDL. Future research will be able to solve this problem. We kindly welcome original research papers or reviews to contribute to this Special Issue of Life.

Guest Editor

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