

Special Issue

Molecular Aspects of Inflammation and Lipid Metabolism in Health and Disease

Message from the Guest Editors

There is plentiful evidence that disrupted lipid metabolism may cause pro-inflammatory responses in macrophages as well as foam cell formation. In turn, this may lead to the development of atherosclerosis and related cardiovascular diseases. Moreover, it is well-known that chronic inflammation plays an important role in cancer development and the lipid metabolism of metabolic diseases. In recent years, transcriptomic and bioinformatics analysis have come to the fore as ways to reveal the role of specific genes and signaling pathways in the processes of inflammation and lipid metabolism leading to the development of metabolic diseases. First results of such studies have already demonstrated that both inflammation and lipid metabolism are tightly connected via their molecular pathways. Thus, future meticulous molecular studies of intracellular processes with a bioinformatic approach may give novel insights into the role of inflammation and lipid metabolism in related diseases. We kindly welcome authors to submit original research papers or reviews to contribute to this Special Issue of *International Journal of Molecular Sciences*.

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