

Special Issue

Lipid Metabolism in Pathology and Health

Message from the Guest Editor

Lipids are a diverse and important class of biomolecules essential for life by providing building blocks for cellular membranes, energy when their fatty acid components are burned and signaling molecules in diverse processes such as cell proliferation, apoptosis, metabolism, migration and inflammation. Maintaining integrity and fluidity of cellular membranes, ensuring function of membrane proteins, generating neutral lipids for storage or shuttling fatty acids into mitochondria and peroxisomes for beta oxidation are some of the fundamental constituents of the process called lipid homeostasis.

Several diseases, such as non-alcoholic fatty liver disease, cardiovascular disease, and cancer, have been associated with changes in lipid metabolism and lipid homeostasis. The scope of this special issue is to report recent findings on the role of lipid metabolism in pathology and health.

Guest Editor

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