

Special Issue

The Lipid Metabolism in Health and Diseases

Message from the Guest Editors

Lipids play essential roles in the organization and function of cells, contribute to the structural integrity of cellular membranes, mediate signal transduction, and regulate energy metabolism. The dysregulation of lipid metabolism plays a major role in the etiology and evolution of inflammatory disorders, cardiometabolic and neurological diseases, and several forms of cancer. Technical advances, including functional genomics, metabolomics, lipidomics, and lipid-protein interaction maps, have uncovered new ways to control molecular mechanisms mediating lipid function. The discovery of genetic and epigenetic factors in health and disease, either linked to DNA modifications or non-coding RNAs, has opened new research opportunities to decipher the mechanisms to control lipid metabolism and to forward the management of various diseases.

The purpose of this Special Issue is to promote papers focused on the newly deciphered mechanisms of lipid metabolism and their alterations in various diseases. Therefore, we invite investigators to contribute with high-quality, original research and review articles addressing the purpose of this Special Issue.

Guest Editors

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Deadline for manuscript submissions

closed (31 October 2022)



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About the Journal

Message from the Editor-in-Chief

Biomedicines (ISSN 2227-9059) is an open access journal devoted to all aspects of research on human health and disease, the discovery and characterization of new therapeutic targets, therapeutic strategies, and research of naturally driven biomedicines, pharmaceuticals, and biopharmaceutical products. Topics include pathogenesis mechanisms of diseases, translational medical research, biomaterial in biomedical research, natural bioactive molecules, biologics, vaccines, gene therapies, cell-based therapies, targeted specific antibodies, recombinant therapeutic proteins, nanobiotechnology driven products, targeted therapy, bioimaging, biosensors, biomarkers, and biosimilars. The journal is open for publication of studies conducted at the basic science and preclinical research levels. We invite you to consider submitting your work to *Biomedicines*, be it original research, review articles, or developing Special Issues of current key topics.

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