

Special Issue

Bioactive Lipids in Health and Diseases

Message from the Guest Editors

Bioactive lipids, including arachidonic acid (AA) and its derivatives, are part of a complex network that modulates a plethora of cellular and molecular processes involved in health and disease, ranging from vascular function to gastric mucosa integrity, inflammation, and development/progression of non-alcoholic fatty liver disease, obesity, diabetes, cardiovascular disease, or even, as has recently been shown, COVID-19. Various phospholipases cleave membrane-bound AA that, once released, serves as substrate for three main routes: the cyclooxygenase, the lipoxygenase, and the cytochrome P-450 monooxygenase pathways. The purpose of this Special Issue is to focus on bioactive lipids in the onset of metabolic and lipid disorders that can influence immune responses and inflammatory processes. We further discuss how the manipulation of these bioactive lipids emerges as a new therapeutic approach to prevent and treat many of the most prevalent diseases related to an increased inflammatory response.

Guest Editors

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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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