



Bioactive Lipids in Inflammation, Diabetes and Cancer

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Message from the Collection Editors

Dear Colleagues,

Lipids are essential components of the cell membrane shown to play many roles in mediating and controlling a wide array of cellular activities including membrane structure and organization, metabolic and gene regulation, protein structure and function, and signaling pathways. Various lipid molecules have been intimately linked to inflammatory and immune responses, cell proliferation and apoptosis and clearly shown to be major contributors to many pathologies including, diabetes, cancer, cardiovascular disease, and neurodegenerative disorders. Lipid metabolizing enzymes and lipid receptors are excellent targets for the development of enzyme inhibitors and receptor modulators as novel therapeutic agents.

The aim of this Topic Collection is to compile review articles and original research articles covering the recent advances in the biochemistry, chemistry, pharmacology, analysis, functional assessment, and clinical translational impact of bioactive lipids relating to their involvement in inflammation, diabetes and cancer.





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