

Special Issue

Advanced Research on Lipid Signaling Molecules

Message from the Guest Editor

Lipids are a key player in both extracellular and intracellular signaling in normal physiology and control numerous cellular processes, such as cell proliferation, apoptosis, metabolism, and migration, in a wide variety of tissues and cell types. Lipid signaling dysregulation contributes to inflammation, cancer, and metabolic, cardiovascular, and degenerative disease. Research promotes lipid signaling molecules being used as pharmacological tools, diagnostic or prognostic biomarkers, and, in some cases, functional nutrients and promotes their metabolic pathways as pharmacological targets. Considering the structurally diverse group of compounds composing lipid signaling molecules, such as free fatty acids, and fatty acid derivatives, such as oxylipins and eicosanoids, endocannabinoids, sphingolipids, phospholipids, and steroids, and their involvement in a wide range of physio-pathological processes, scientific research production in this area is striking.

The aim of this Special Issue is to focus on the lipid signaling molecules linked to the endocannabinoid signaling system.

Guest Editor

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