

## 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.

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### Guest Editor

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### Deadline for manuscript submissions

20 November 2025



## International Journal of Molecular Sciences

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Impact Factor 4.9  
CiteScore 9.0  
Indexed in PubMed



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*International Journal of  
Molecular Sciences*  
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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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