

Special Issue

Sphingolipid Metabolism and Signaling: Role in Health and Diseases

Message from the Guest Editor

Sphingolipids are ubiquitous components of cell membranes as well as bioactive molecules involved in the control of cell fate in physiological and pathophysiological processes. Sphingolipid metabolism and signaling are crucial for the maintenance of physiological conditions. The dysregulation of sphingolipid metabolism, leading to altered sphingolipid patterns, is associated with different pathological conditions. Sphingolipid levels are regulated via the modulation of the metabolism of specific enzymes as well as that of the specific receptors or transporters involved in their transport within or outside cells; however, the exact molecular mechanisms mediated by sphingolipids with which to modulate cell homeostasis are still not completely understood. New knowledge on the metabolism and signaling of sphingolipids will help in finding therapeutic solutions in a variety of human diseases. For this Special Issue, we welcome your contributions in the form of original research and review articles on all aspects of sphingolipids and their roles in physiological and pathophysiological processes.

Guest Editor

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Message from the Editor-in-Chief

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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