

## Special Issue

# Sphingolipid Metabolism and Signaling: Role in Health and Diseases—2nd Edition

### Message from the Guest Editor

Sphingolipids are a class of lipids that are highly expressed in eukaryotic cells. Sphingolipid metabolism and signaling are crucial for the maintenance of physiological conditions, but, on the other hand, 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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### Deadline for manuscript submissions

closed (20 June 2025)



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