



International Journal of Endocrinology

Special Issue on
Regulation of Lipid Metabolism and Beyond

CALL FOR PAPERS

Lipid metabolism has long been investigated and the study has elucidated tremendous amount of information to improve human health and maintain healthy human beings. Transcriptional and translational controls of genes involved in lipid metabolism have explained many physiological processes. The transport mechanism of lipids from nutrients to body has revealed the importance of lipoproteins and variety of cellular proteins including enzymes. There are so many environmental, nutritional, or psychological challenges which can regulate the metabolism of lipids through the action of hormones in the body system.

Growing evidence suggests that the roles of lipids are not only limited to the store depot but also involved in the cellular homeostasis. Lipids are also utilized as signaling molecules, such as prostaglandins, steroids, and enzyme cofactors. Dysregulation of lipid metabolism causes variety of human diseases that depreciate the quality of human life such as obesity, diabetes, and atherosclerosis, the leading epidemic prevalence throughout the world. However there are still gaps and controversial observations which cannot explain complicated conditions of metabolic disorders. To further understand the pathophysiology of lipid metabolism, to report new studies, and to investigate novel therapeutic targets, this journal is inviting papers about this special issue.

We invite authors to submit original research papers and review articles that demonstrate the regulation of lipid metabolism, roles of lipids, related human diseases, and new findings in clinical studies that can improve human health.

Potential topics include, but are not limited to:

- ▶ Regulation of lipids synthesis, absorption, and digestion
- ▶ Regulation of sterols and nonsterol isoprenoids synthesis and utilization
- ▶ Transcriptional, translational, and posttranslational regulation of lipid metabolism
- ▶ New functions of lipid droplets as a cellular organelle
- ▶ Regulation of lipid metabolism by nutrients, stress, hypoxia, hormones, cytokines, lipid lowering drugs, carcinogen, and so forth
- ▶ Insulin signaling and lipid and glucose metabolism
- ▶ Regulation of lipid metabolism by gut microbes
- ▶ Recent studies focusing on the intricate network of lipid, carbohydrate, and amino acids metabolism
- ▶ Recent studies focusing on the lipoprotein levels and related human diseases
- ▶ Alteration of lipid metabolism or lipidomics profile in human diseases including cancers
- ▶ Roles of lipids in signaling and regulation of metabolic disorders and cancer
- ▶ Region- or race-specific regulation of lipid metabolism including clinical mutations
- ▶ Polymorphism in the enzymes or interacting proteins involved in lipid metabolism

Authors can submit their manuscripts via the Manuscript Tracking System at <http://mts.hindawi.com/submit/journals/ije/rlmb/>.

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