

Special Issue

Dietary Lipid, Adipose Tissue and Lipid Metabolism in Health and Diseases

Message from the Guest Editors

Lipid metabolism includes the biosynthesis and degradation of lipids such as fatty acids, triglycerides and cholesterol. However, excess systemic FFAs and dietary lipids enter inside the cells of non-adipose organs such as the liver, muscle, pancreas and placenta, and are deposited as ectopic fat, generating lipotoxicity. Dietary fat also can function as signal molecules by activating the downstream intracellular signaling pathways to regulate the function of adipose tissue and whole body homeostasis. This Special Issue aims to encourage authors to submit original research articles and review papers related to adipose tissue development and lipid metabolism in human health and diseases as well as related animal models. Specifically, the aim is to clarify the regulatory function of main tissues and organs, including the intestine, liver, adipose tissue, muscle, pancreas and placenta in whole-body homeostasis either directly via metabolic control or indirectly through multiple secreted factors.

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Message from the Editorial Board

Nutrients is an on-line open access journal that was first published in 2009. *Nutrients* adheres to rigorous peer-review and editorial processes and publishes only high quality manuscripts that address important issues related to the impacts of nutrients on human health. The Impact Factor of *Nutrients* has risen rapidly since its establishment and it is now ranked in the first quartile of journals publishing in the field of nutrition and dietetics research.

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