Special Issue

New Insights into Adipose Tissue Metabolic Function and Dysfunction, 4th Edition

Message from the Guest Editor

Adipose tissue is widely known as an endocrine organ that can modulate systemic metabolism due to its effects on energy storage, adipokine production, and adaptive thermogenesis. This endocrine function is carried out in various organs, such as the liver, kidney, pancreas, and brain, thus contributing to homeostatic regulation, energy balance, insulin sensitivity, and vascular-endothelial function.

The dysregulation of adipocyte differentiation, metabolism, and endocrine functions leads to adipose tissue dysfunction, which triggers the activation of molecular pathways involved in the physiopathology of overall metabolic diseases, such as obesity, inflammation, insulin resistance, and type 2 diabetes. New therapeutic approaches targeting adipose tissue and its signaling molecules and heterogeneity could provide potential advances in understanding its pathophysiology and in treating several metabolic syndromes.

This Special Issue aims to collect publications on new insights into the pathogenesis, molecular pathways, and beneficial effects of novel and safe treatments for metabolic diseases associated with adipose tissue dysfunction.

Guest Editor

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Message from the Editor-in-Chief

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