Special Issue

Adipose Tissue in Health and Diseases

Message from the Guest Editors

Adipose tissue (AT) is a highly complex metabolic organ that plays a role in regulating many aspects of whole-body physiology, including food intake, energy balance, insulin sensitivity, body temperature, and immune responses.

Adipose tissue is highly heterogeneous. Heterogenous AT is not solely composed of mature adipocytes, but is additionally comprised of adipocyte precursors/stem cells, immune cells, blood cells, and lymphatic capillaries consisting of endothelial cells (ECs). Each anatomical fat depot differs in metabolic and hormonal profiles and has distinct physiological roles. The differential accumulation of specific depots therefore translates into different clinical outcomes.

This Special Issue on "Adipose Tissue in Health and Disease" aims to provide up-to-date insight into the remarkable complexity of the adipose tissue heterogeneity and metabolism, while also casting a light on its dysregulation in the context of many different human diseases. These run the gamut from obesity and type two diabetes to the rare adipose tissue disorders, including multiple symmetric lipomatosis (MSL), lipedema and Dercum's disease (DD).

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Biomedicines (ISSN 2227-9059) is an open access journal devoted to all aspects of research on human health and disease, the discovery and characterization of new therapeutic targets, therapeutic strategies, and research of naturally driven biomedicines, pharmaceuticals, and biopharmaceutical products. Topics include pathogenesis mechanisms of diseases, translational medical research, biomaterial in biomedical research, natural bioactive molecules, biologics, vaccines, gene therapies, cell-based therapies, targeted specific antibodies, recombinant therapeutic proteins, nanobiotechnology driven products, targeted therapy, bioimaging, biosensors, biomarkers, and biosimilars. The journal is open for publication of studies conducted at the basic science and preclinical research levels. We invite you to consider submitting your work to Biomedicines, be it original research, review articles, or developing Special Issues of current key topics.

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