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Adipose Tissue in Health and Diseases

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Message from the Guest Editors

Dear Colleagues,

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).

Dr. Atefeh Rabiee
Guest Editor



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Special Issue



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Message from the Editor-in-Chief

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