Special Issue

Energy Metabolism in Brown Adipose Tissue

Message from the Guest Editor

This Special Issue aims to deepen our understanding of the role and molecular mechanisms of energy metabolism in thermogenic fat tissues, including brown adipose tissue and beige fat, in relation to obesity and associated diseases, as well as its broader health impacts. Thermogenic fat tissue plays a crucial role in regulating energy homeostasis. Energy metabolism encompasses the breakdown of nutrients, metabolite production, energy storage and release, and the utilization of both metabolites and energy in physiological functions. An imbalance in energy metabolism can lead to adiposity and trigger a range of metabolic disorders, including fatty liver, insulin resistance, type 2 diabetes, cardiovascular disease, inflammation, and other related conditions.

Guest Editor

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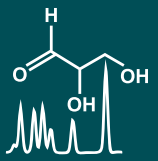

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About the Journal

Message from the Editor-in-Chief

The metabolome is the result of the combined effects of genetic and environmental influences on metabolic processes. Metabolomic studies can provide a global view of metabolism and thereby improve our understanding of the underlying biology. Advances in metabolomic technologies have shown utility for elucidating mechanisms which underlie fundamental biological processes including disease pathology. *Metabolites* is proud to be part of the development of metabolomics and we look forward to working with many of you to publish high quality metabolomic studies.

Editor-in-Chief

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