Special Issue

Adipose Thermogenesis and Crosstalk: Signaling Networks in Obesity, Metabolic Disease and Beyond

Message from the Guest Editor

This Special Issue aims to gather research on mechanistic and translational advances that illuminate signaling crosstalk controlling adipose thermogenesis, white-fat browning, and adipose-driven metabolic disease. We welcome mechanistic and translational studies that decode how signaling networks and inter-organ circuits govern adipose thermogenesis, WAT browning, and systemic metabolism. From UCP1-denpendent or independent heat production and the adipose secretome to neuroimmune regulation and human BAT imaging, we seek targets and frameworks that can be converted into safe, effective therapies for obesity and cardiometabolic disease, while clarifying when, where, and how thermogenesis should be restrained in wasting conditions. Original research, reviews/mini-reviews, perspectives, and methods/resources are welcome.

Guest Editor

Dr. Lei Huang

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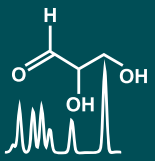
Deadline for manuscript submissions

30 June 2026



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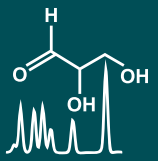

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About the Journal

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

Dr. Amedeo Lonardo
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