

## Special Issue

# New Insights into Adipose Tissue Metabolic Function and Dysfunction

### Message from the Guest Editors

Adipose tissue is widely known as an endocrine organ able to modulate systemic metabolism thanks to its effects on energy storage, adipokine production, and adaptive thermogenesis; this endocrine function is carried out in various organs, such as liver, kidney, pancreas, and brain, and thus contributes to homeostatic regulation, energy balance, insulin sensitivity, and vascular–endothelial function.

Dysregulations of differentiation, metabolism, and the endocrine function of adipocytes lead to adipose tissue dysfunction that triggers the activation of molecular pathways involved in the physiopathology of overall metabolic diseases, such as obesity, inflammation, insulin resistance, and type 2 diabetes. The purpose of this issue of the *International Journal of Molecular Sciences* entitled “New Insights into Adipose Tissue Metabolic Function and Dysfunction” is to include original research papers and/or relevant updates of literature data on new insights into the pathogenesis, molecular pathways, and beneficial effects of novel and safe treatments of metabolic diseases associated with adipose tissue dysfunction.

### Guest Editors

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### Deadline for manuscript submissions

closed (20 December 2022)



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### Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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