

Special Issue

The Role of Adipose Tissue in Metabolic Diseases and Beyond

Message from the Guest Editors

From a tissue largely misunderstood as an inert depot of fat to be used in case of energy shortage, the role of adipose tissue in pathophysiology has been completely re-evaluated in the last decades. Adipose tissue is distributed throughout our body and there are different depots of adipocytes that perform specific functions, including energy balance for white adipocytes and thermoregulation for brown/beige adipocytes. In addition, adipocytes can adjust their phenotype and secrete a plethora of signalling molecules and metabolites in response to bioenergetic signals to control metabolic and inflammatory responses of neighbouring and distal organs. This special issue aims to collect brief reports, research articles, reviews, and mini reviews on the biology of white adipose tissue (WAT) and brown adipose tissue (BAT) in the context of metabolic diseases and beyond. Topics concerning (but not limited to) metabolic and endocrine functions of BAT/WAT, browning and inflammation, in relation to obesity and diabetes as well as cancer and neurodegeneration, are welcome. We look forward to receiving your contributions.

Guest Editors

Prof. Dr. Maria Rosa Ciriolo
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Deadline for manuscript submissions

closed (31 October 2022)



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About the Journal

Message from the Editorial Board

Cells has become a solid international scientific journal that is now indexed on SCIE and in other databases. We have successfully introduced a special issues format so that these issues serve as mini-forums in specific areas of cell science. *Cells* encourages researchers to suggest new special issues, serve as special issues editors, and volunteer to be reviewers. Our main focus will remain on cell anatomy and physiology, the structure and function of organelles, cell adhesion and motility, and the regulation of intracellular signaling, growth, differentiation, and aging. We are open to both original research papers and reviews.

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the first half of 2025).