

Special Issue

Advances in Adipocyte Biology Research and Their Relevance to Metabolic Health

Message from the Guest Editor

Adipose tissue is essential for metabolic homeostasis and energy balance, with its dysregulation contributing to obesity, insulin resistance, and related metabolic disorders. This Special Issue will highlight cutting-edge research on adipocyte biology, including advancements in adipocyte culture methods, novel surface markers for progenitor cells, innovative multi- and single-cell analysis methods, insights into the adipocyte secretome and cell/tissue communication, and models of insulin resistance. We welcome studies on different types of adipocytes, including white, brown, and beige adipocytes, and encourage the submission of papers exploring new genes, signaling pathways, and therapeutic targets. The goal is to consolidate research that advances adipocyte studies and informs future therapeutic strategies for obesity and metabolic diseases.

Guest Editor

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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).