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Adipocytes and Metabolic Health

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Message from the Guest Editor

Adipose tissue has two types—white and brown. The adipocytes in these two types exhibit different a morphology and functions. While the white adipose tissue is the major site to store the lipids and secret adipokines/hormones, the brown adipose tissue is responsible for lipid burning and thermogenesis. During the development of obesity, adipose tissue loses its proper functions. Under the dysfunctional condition, fatty acids, together with other pathological factors, may cause cell stress, local hypoxia, and inflammation, which eventually lead to systemic insulin resistance, the hallmark of type-2 diabetes.

The primary focus of the Special Issue will be focused on a new understanding of adipose tissue biology/pathology, and its central role in the interplay with other tissues and organs. As such, the research articles and/or reviews will explore the mechanisms governing adipose tissue remodelling during obesity, and a potential link between dysfunctional adipose tissue and whole-body metabolic disorders. Findings here will therefore provide novel insights into the signalling pathways that potentially serve as targets to treat obesity and the related metabolic diseases.



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Special Issue



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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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