



cells



an Open Access Journal by MDPI

The Adipose Tissue: From “Cinderella” to “Lion King” Organ

Guest Editors:

Dr. Valerio Costa

Institute of Genetics and
Biophysics “Adriano Buzzati-
Traverso”, IGB-CNR, 80131
Naples, Italy

Dr. Marianna Aprile

Institute of Genetics and
Biophysics “Adriano Buzzati-
Traverso”, IGB-CNR, Via P.
Castellino 111, 80131 Naples,
Italy

Dr. Jean-François Tanti

Université Côte d’Azur, Inserm
UMR1065, C3M, Team Cellular
and Molecular Pathophysiology
of Obesity, Nice, France

Deadline for manuscript
submissions:

closed (15 June 2023)

Message from the Guest Editors

Dear Colleagues,

Adipose tissue (AT) has often been considered as the “Cinderella” organ and a metabolically inert tissue, receiving less attention than other organs and tissues. However, the research interest on adipose tissue has gradually increased, compensating at least in part the scarcity of adipose-focused literature and leading to a reconsideration of the role of this understudied organ. To date, the research community has agreed to consider the adipose tissue a central hub in the regulation of whole-body energy homeostasis and insulin sensitivity.

The increasingly evident association between AT dysfunction and diseases has put adipose tissue biology under the spotlight of scientific interest.

This Special Issue aims to be a significant contribution to fill the gap in the knowledge of molecular mechanisms underlying the pathophysiology of adipose tissue in health and disease, with a focus on adipose tissue formation, expandability and the individual predisposition to metabolic disorders, functionally related to adipose tissue deficit.

For further information, please visit the Special Issue [website](https://www.mdpi.com/si/114194).



[mdpi.com/si/114194](https://www.mdpi.com/si/114194)

Special Issue



cells



an Open Access Journal by MDPI

Editors-in-Chief

Prof. Dr. Alexander E. Kalyuzhny

Neuroscience, UMN Twin Cities,
6-145 Jackson Hall, 321 Church St
SE, Minneapolis, MN 55455, USA

Prof. Dr. Cord Brakebusch

Biotech Research & Innovation
Centre, The University of
Copenhagen, Copenhagen,
Denmark

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.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [MEDLINE](#), [PMC](#), [CAPus / SciFinder](#), and [other databases](#).

Journal Rank: JCR - Q2 (*Cell Biology*) / CiteScore - Q1 (*General Biochemistry, Genetics and Molecular Biology*)

Contact Us

Cells Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/cells
cells@mdpi.com
[X@Cells_MDPI](https://twitter.com/Cells_MDPI)