

Special Issue

Transcriptional Factors and Epigenetic Mechanisms in Obesity and Related Metabolic Comorbidities

Message from the Guest Editor

Obesity is a rapidly growing public health concern worldwide. There is therefore an urgent need to develop new preventive and therapeutic strategies for this metabolic disorder. Tailored diagnosis and therapy of obesity require an understanding of the disease mechanisms and development of novel classifier and predictor biomarkers. In this respect, several research projects are in progress, focusing on epigenome and transcriptional factors (TFs) as frameworks for identifying obesity regulatory mechanisms and hopefully therapeutic strategies. This Special Issue aims to address the epigenome and TFs regulatory role in obesity and associated metabolic comorbidities. Potential topics include but are not limited to the following:

- Epigenome, role of DNA methylation, histone modifications and ncRNAs (miRNAs, lncRNAs, circRNAs) in obesity
- TFs molecular biology in the regulation of genes associated with obesity
- Potential interplay between epigenome and TFs frameworks and their combined impact on obesity and associated complications.

For further reading, please visit the Special Issue [website](#).

Guest Editor

Prof. Dr. Mohamed Zaiou

School of Pharmacy & The Institute of Jean-Lamour, The University of Lorraine, UMR 7198 CNRS, CEDEX, 54505 Vandoeuvre les Nancy, France

Deadline for manuscript submissions

closed (30 March 2022)



Cells

an Open Access Journal
by MDPI

Impact Factor 5.2
CiteScore 10.5
Indexed in PubMed



mdpi.com/si/44878

Cells
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
cells@mdpi.com

[mdpi.com/journal/
cells](https://mdpi.com/journal/cells)





Cells

an Open Access Journal
by MDPI

Impact Factor 5.2
CiteScore 10.5
Indexed in PubMed



[mdpi.com/journal/
cells](https://mdpi.com/journal/cells)



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.

Editors-in-Chief

Dr. Alexander E. Kalyuzhny

Dental Basic Sciences, University of Minnesota, 308 Harvard St. SE,
Minneapolis, MN 55455, USA

Prof. Dr. Cord Brakebusch

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

Author Benefits

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)

Rapid Publication:

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).