



*cells*



an Open Access Journal by MDPI

## Transcriptional Factors and Epigenetic Mechanisms in Obesity and Related Metabolic Comorbidities

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)**

### Message from the Guest Editor

Dear Colleagues,

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.



[mdpi.com/si/44878](https://mdpi.com/si/44878)

For further reading, please visit the Special Issue website.

# 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](#), [CAPlus / 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](http://www.mdpi.com)

[mdpi.com/journal/cells](http://mdpi.com/journal/cells)  
[cells@mdpi.com](mailto:cells@mdpi.com)  
[X@Cells\\_MDPI](https://twitter.com/Cells_MDPI)