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Transcriptional Factors and Epigenetic Mechanisms in Obesity and Related Metabolic Comorbidities

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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.



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Special Issue



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