



Molecular Background of Obesity and Its Impact on Therapeutic Strategies

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Message from the Guest Editor

Dear Colleagues,

Obesity is a severe, chronic and recurrent disease. It leads to grave complications, including diabetes, arterial hypertension, hyperlipidemia and metabolic-associated liver disease (MASLD), among others. The pathogenesis of the complications associated with diabetes have been extensively studied and, as a result, a large group of drugs have been successfully developed. However, the real culprit—obesity—remains elusive as a drug target. It stems from a more complex etiology that involves, among others, the central nervous system and digestive tract. Advancements in the research field have led to some improvements and the introduction of effective drugs acting on GLP-1 receptors and MC4-R, but the need for further drugs persists.

Therefore, the focus of this Special Issue is on the mechanisms of obesity and experiments on the potential pathways involved in the pathogenesis of obesity (both *in vitro* and *in vivo*). I encourage authors to present both original papers and review articles that provide further insights into the field.





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Message from the Editor-in-Chief

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