

Special Issue

Mechanisms of Insulin Resistance and Adipose Tissue Dysfunction

Message from the Guest Editor

Insulin resistance (IR) is defined as the impaired intracellular signaling of endogenous and exogenous insulin. IR is a major key player in those metabolic derangements that characterize pathological conditions (e.g., diabetes and metabolic syndrome). Adipocyte and adipose tissue dysfunction belong to the primary defects in obesity and may link obesity to several health problems, including increased risk of insulin resistance, type 2 diabetes, and fatty liver disease. This Special Issue focuses on the study of the mechanisms of insulin resistance and adipose tissue dysfunction in obesity and type 2 diabetes. Potential topics include but are not limited to decipher the cellular and molecular mechanisms involved in insulin resistance, and the pathophysiological mechanisms connecting adipose tissue dysfunction to the development of insulin resistance, type 2 diabetes, or fatty liver. We warmly welcome original papers and reviews on this widely discussed topic.

Guest Editor

Prof. Dr. Jean-François Tanti

Université Côte D'Azur, INSERM, C3M, Team "Cellular and Molecular Physiopathology of Obesity", 06204 Nice, France

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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Editor-in-Chief

Prof. Dr. José L. Quiles
Department of Physiology, Institute of Nutrition and Food Technology
"Jose Mataix", Biomedical Research Center, University of Granada,
Avda. Conocimiento s/n, 18100 Armilla, Granada, Spain

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