



Molecular Advances on Insulin Resistance and Metabolic Dysfunction

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Message from the Guest Editors

Worldwide, the obesity epidemic has resulted in a surge of metabolic abnormalities and diseases stemming from the condition of insulin resistance that accompanies the obesity status. Insulin resistance represents an impaired biological response to insulin stimulation of target tissues, primarily liver, muscle, and adipose tissue. It is recognized as the root for hypertension, dyslipidemia, non alcoholic fatty liver disease, polycystic ovary syndrome, atherosclerosis, and adverse cardiac remodeling/heart failure. Alterations in glucose and lipid metabolism, insulin secretion and action are among the most important mechanisms that explain the onset of these diseases.

We invite investigators to contribute either original research articles or review articles focusing on the variety of molecular mechanisms that either contribute to the worsening of insulin resistance in obese patients, or that, triggered by insulin resistance, cause the onset and progression of comorbidities associated with obesity.





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Message from the Editor-in-Chief

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