



## Molecular Research on Obesity and Metabolic Diseases

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### Message from the Guest Editor

Obesity is the epidemic of the 21<sup>st</sup> century. In developing countries, the prevalence of obesity continues to rise, and obesity is occurring at younger ages. In 2010, overweight and obesity were estimated to cause 3.4 million deaths, 4% of years of life lost, and 4% of disability-adjusted life-years world wide. Obesity and overweight increase the risk of several serious chronic diseases, such as type 2 diabetes, cardiovascular disease, hypertension and stroke, hypercholesterolemia, hypertriglyceridemia, arthritis, asthma, and certain forms of cancer. Molecular research on the onset mechanisms of obesity leads early diagnosis of obesity and its associated metabolic diseases.

This Special Issue will center on: (1) comparative studies in carbohydrate and lipid metabolism in various species; (2) abnormalities in signal transduction related to the onset of obesity and metabolic diseases; (3) metabolic syndrome and lipotoxicity; (4) changes in molecules in obese animals; (5) the detection of new diagnostic molecules for obesity and metabolic diseases, (6) the molecular science of insulin resistance and metabolic syndrome; and (7) new concepts for treating obesity and metabolic diseases.





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## Message from the Editor-in-Chief

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