



Insulin, Glucose Metabolism, and Obesity

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

In obesity and insulin resistance, the key role is played by gene–environment interaction; accordingly, epigenetic changes in chromatin structures and gene function may be responsible for genetic susceptibility. Epigenetic markers are believed to explain the link between gene–lifestyle interactions and the pathogenesis of numerous metabolic disorders and have even been proposed as specific biomarkers of metabolic disorders and possible therapeutic targets. Indeed, abundant data implicate obesity in DNA hypermethylation at both global and site-specific levels. However, the exact mechanism by means of which obesity influences glucose metabolism via DNA methylation remains unclear.

This Special Issue is calling for both original articles and reviews providing to the readers of IJMS a comprehensive elucidation about epigenetic interaction between obesity and glucose metabolism, which is necessary for developing novel research approaches as well as therapeutic strategies.





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Message from the Editor-in-Chief

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