

## Special Issue

# Molecular Mechanisms and the Link Between Obesity, Diabetes and Inflammation

### Message from the Guest Editors

Obesity and type 2 diabetes mellitus are considered a growing global health problem. They are now known to be major risk factors for chronic diseases, such as cardiovascular and metabolic diseases, which have become the main causes of morbidity and mortality in recent years. Obesity and diabetes are closely linked by a state of chronic low-grade inflammation that alters the insulin signaling pathway and leads to insulin resistance. Moreover, in recent years, there is evidence that a central role is played by the presence of dysfunctional adipose tissue, and several pathways that link the impairment of insulin resistance through obesity-induced inflammation have been identified, such as the activation of nuclear factor kappa B (NF- $\kappa$ B), cJun-N-terminal kinase (JNK), suppressor of cytokine signaling (SOCS) proteins, wntless-related integration site (Wnt), and Toll-like receptor (TLR) signaling pathways. This Special Issue focuses on investigating the link between metabolic alterations and chronic diseases and understanding how they perturb tissue function, leading to the detection of new molecules that can be used as biomarkers for novel therapeutic targets.

### Guest Editors

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### Deadline for manuscript submissions

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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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