

Special Issue

Molecular Linkages Between Obesity, Diabetes and Cancer

Message from the Guest Editor

Obesity is a condition characterized by excess body fat and is a major risk factor for several chronic diseases, including type 2 diabetes and several types of cancer.

Obesity contributes to the development of type 2 diabetes by causing insulin resistance. Both obesity and diabetes are associated with an increased risk of developing certain types of cancer. Obesity may promote cancer through chronic inflammation, increased levels of insulin and growth factors and altered sex hormones. Diabetes may also contribute to cancer risk through elevated glucose and insulin levels, which can have mitogenic and anti-apoptotic effects on cells.

This Special Issue will accept articles that molecularly explore this interconnection through a series of complex biological mechanisms including chronic inflammation, insulin resistance and alterations in cell signalling, as well as the important toxicological role of adipose tissue with respect to lipophilic xenobiotic molecules.

- obesity
- GLUT4
- PPAR γ
- lipid transporters (CD36 and AQP7)
- cancer progression
- metastasis

Guest Editor

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Message from the Editor-in-Chief

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.

Editor-in-Chief

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