

Special Issue

Obesity and Cancer Risk: Molecular Mechanisms and Perspectives

Message from the Guest Editor

The global incidence and prevalence of obesity have dramatically risen over the last few decades. Epidemiological data suggest that obesity is associated with an increased risk of several, but not all, types of cancer, with marked gender-specific differences. The underlying mechanisms are still a matter of debate, with current experimental evidence suggesting the involvement of insulin resistance and low-grade inflammation in visceral fat tissue with the secretion of pro-inflammatory cytokines and adipokines, as well as an important role of sex hormones and gut microbiota. Most intriguingly, these factors contribute in a highly variable manner to the initiation of different tumor entities and eventually act directly or indirectly on the tumor environment to drive tumor progression. This also clearly implies that therapeutic strategies will have to be based on these mechanisms and must be precisely targeted. This issue of *IJMS* is thus devoted to deciphering the molecular basis of tumor initiation and growth in obesity and providing a rational basis for precision management.

Guest Editor

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Deadline for manuscript submissions

20 August 2025



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/217466

*International Journal of
Molecular Sciences*
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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.

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