

## Special Issue

# Molecular Advances in the Relationship Between Diabetes and Cancers

### Message from the Guest Editor

Obesity and related type 2 diabetes are associated with a higher risk of cancer development. Recently, new approaches to drug treatment have been introduced for both diseases, but unfortunately, complementary therapies such as nutrition and physical activity are still not applied in the daily routine to the desired extent. This Special Issue aims to collect manuscripts focusing on the molecular aspects of the connection between diabetes and cancer development. A persistently altered metabolic and adipocytokine profile and subsequent oxidative and ER stress result in glucose intolerance, insulin resistance, and increased inflammation, as observed in T2DM. These processes can manifest as epigenetic changes, DNA damage, and mutations, leading to cancer formation. Therefore, we request studies that investigate and discuss the aforementioned metabolic changes with molecular details, observed in patients with T2DM that may explain, confirm, or exclude the possibility of cancer development.

### Guest Editor

Dr. Zsuzsanna Németh

Department of Internal Medicine and Oncology, Semmelweis University, Koranyi S. u 2/a, 1083 Budapest, Hungary

### Deadline for manuscript submissions

20 February 2026



## International Journal of Molecular Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.9  
CiteScore 9.0  
Indexed in PubMed



[mdpi.com/si/209436](https://mdpi.com/si/209436)

*International Journal of  
Molecular Sciences*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[ijms@mdpi.com](mailto:ijms@mdpi.com)

[mdpi.com/journal/  
ijms](https://mdpi.com/journal/ijms)





# International Journal of Molecular Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.9  
CiteScore 9.0  
Indexed in PubMed



[mdpi.com/journal/  
ijms](https://mdpi.com/journal/ijms)



## About the Journal

### 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

Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences,  
Sez-Biochimica, Faculty of Medicine, Università Politecnica delle  
Marche, Via Ranieri 65, 60100 Ancona, Italy

---

### Author Benefits

#### Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, MEDLINE, Embase, CAPlus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore  
- Q1 (Organic Chemistry)