

Special Issue

Molecular Research on Diabetes—2nd Edition

Message from the Guest Editors

Diabetes is a metabolic disease characterized by hyperglycemia. This chronic disorder raises the risk of microvascular as well as neurological disorders and contributes to the pathophysiology of diabetes complications. Type II diabetes accounts for 85–90% of all diabetic patients. There are a range of reasons as to why diabetes can occur: insulin resistance and β cell dysfunction are the main causative abnormalities; however, several mutations in the genes important for glucose homeostasis and β cell development have been related to the progress of hyperglycemia. In addition, environmental factors may influence the incidence of hyperglycemia. Although several studies have aimed to elucidate the molecular mechanisms underlying the development of diabetes and its complications, their precise pathophysiology is not completely understood. This Special Issue aims to collect the latest research on different biological processes and molecular mechanisms that cause diabetes.

Guest Editors

Dr. Alessandra Puddu

Department of Internal Medicine and Medical Specialties, University of Genoa, 6 Viale Benedetto XV, 16132 Genoa, Italy

Dr. Davide Maggi

Department of Internal Medicine and Medical Specialties, University of Genova, 16132 Genova, Italy

Deadline for manuscript submissions

20 October 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/217024

*International Journal of
Molecular Sciences*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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)