

Special Issue

Advances in Molecular Therapies and Disease Associations in Diabetes

Message from the Guest Editors

This Special Issue seeks to highlight recent advancements in molecular therapies for diabetes management and elucidate the complex interplay between diabetes and related diseases at the molecular level. We welcome original research articles and comprehensive reviews that delve into the following topics:

- **Molecular Mechanisms:** Studies exploring pathways linking diabetes to other diseases, including inflammatory processes, endoplasmic reticulum stress, and mitochondrial dysfunction;
- **Therapeutic Targets:** Identification and validation of novel molecular targets for therapeutic intervention, such as glucose-sensitive insulin analogs which adjust activity based on blood glucose levels, thereby reducing hypoglycemia risk;
- **Drug Development:** Innovative therapeutic approaches, including the design of multi-receptor agonists which simultaneously activate multiple peptide hormone receptors to enhance efficacy in treating obesity and type 2 diabetes;
- **Multi-Omics Approaches:** Integration of genomics, proteomics, metabolomics, and system biology to uncover biomarkers and pathways pertinent to diabetes and its comorbidities.

Guest Editors

Dr. Hongbao Cao

School of Systems Biology, George Mason University, Fairfax, VA 22030, USA

Dr. Shaolei Teng

Department of Biology, Howard University, Washington, DC 20059, USA

Deadline for manuscript submissions

closed (31 May 2026)



Current Issues in Molecular Biology

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 5.0
Indexed in PubMed



mdpi.com/si/234193

Current Issues in Molecular Biology
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
cimb@mdpi.com

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





Current Issues in Molecular Biology

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 5.0
Indexed in PubMed



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



About the Journal

Message from the Editor-in-Chief

Current Issues in Molecular Biology (CIMB, ISSN 1467-3045) is an international, peer-reviewed, open access journal established in 1999 and published monthly online by MDPI (from Volume 43 Issue 1-2021). CIMB publishes original research articles and comprehensive reviews on emerging and significant topics in molecular biology, covering all aspects of molecular biology and related interdisciplinary fields. We invite you to read recent articles published in CIMB and consider submitting your next research to the journal, particularly studies exploring mechanistic insights, translational applications, and interdisciplinary approaches across molecular biology.

Editor-in-Chief

Prof. Dr. Madhav Bhatia
Department of Pathology and Molecular Medicine, University of Otago,
Christchurch 8140, New Zealand

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PMC, PubMed, Embase, CAPIus / SciFinder, FSTA, AGRIS, and other databases.

Journal Rank:

JCR - Q2 (Biochemistry and Molecular Biology) / CiteScore - Q2 (Microbiology (medical))

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.3 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the second half of 2025).