

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

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Deadline for manuscript submissions

closed (31 May 2026)



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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

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