

## 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.

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### Guest Editors

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### Deadline for manuscript submissions

31 December 2025



## Current Issues in Molecular Biology

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## About the Journal

### Message from the Editor-in-Chief

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#### Editor-in-Chief

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