

## Special Issue

# MicroRNA, Insulin Resistance, and Metabolic Disorders, 2nd Edition

### Message from the Guest Editor

Over the last few decades, microRNAs (miRNAs) are becoming a hot topic in molecular and cellular biology as "key modulators" of physiological and pathophysiological processes. They can orchestrate cell-to-cell communication and mediate cellular processes in numerous ways by controlling gene expression at the transcriptional, post-transcriptional, and translational levels. Despite growing evidence that miRNAs play a significant prognostic and therapeutic role in insulin resistance and metabolic diseases, the precise mechanisms by which miRNAs lead to insulin resistance and metabolic disorders are unclear. This Special Issue will discover the novel function and mechanism of miRNAs in the pathogenesis of insulin resistance and metabolic disorders in various tissues and organs. Additionally, this issue will discuss recent advances in the development and potential application of miRNAs as novel biomarkers and therapeutic targets for metabolic diseases. We encourage contributions of original research and review articles on all aspects of miRNAs associated with insulin resistance and metabolic disorders.

### Guest Editor

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### Deadline for manuscript submissions

closed (20 April 2025)



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### 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.

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### Editor-in-Chief

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