

Special Issue

Molecular Advances on Insulin Resistance and Metabolic Dysfunction

Message from the Guest Editors

Worldwide, the obesity epidemic has resulted in a surge of metabolic abnormalities and diseases stemming from the condition of insulin resistance that accompanies the obesity status. Insulin resistance represents an impaired biological response to insulin stimulation of target tissues, primarily liver, muscle, and adipose tissue. It is recognized as the root for hypertension, dyslipidemia, non alcoholic fatty liver disease, polycystic ovary syndrome, atherosclerosis, and adverse cardiac remodeling/heart failure. Alterations in glucose and lipid metabolism, insulin secretion and action are among the most important mechanisms that explain the onset of these diseases.

We invite investigators to contribute either original research articles or review articles focusing on the variety of molecular mechanisms that either contribute to the worsening of insulin resistance in obese patients, or that, triggered by insulin resistance, cause the onset and progression of comorbidities associated with obesity.

Guest Editors

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Deadline for manuscript submissions

closed (30 September 2022)



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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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