

Special Issue

Advances in Insulin Resistance

Message from the Guest Editors

Insulin resistance arises when cells in fat, skeletal muscle, the heart and the liver cannot respond to insulin hormone. It has been reported that insulin resistance plays a critical risk factor for development of type 2 diabetes mellitus, cardiovascular disease and other related metabolic diseases. Development of insulin resistance is strongly associated with several important metabolic pathways such as glucose/lipid metabolism, ectopic lipid accumulation, mitochondria dysfunction, ER stress and inflammation. The aim of this Special Issues is to find and delineate new molecular targets and mechanisms which reduces a main cause of insulin resistance. Dr. ByungYong Ahn
Dr. HyeMee Kim

Guest Editors

Dr. Byungyong Ahn

Department of Food Science and Nutrition, University of Ulsan, Ulsan 44610, Republic of Korea

Dr. HyeMee Kim

Department of Food Science and Nutrition & Kimchi Research Institute, Pusan National University, Busan, Republic of Korea

Deadline for manuscript submissions

closed (15 April 2024)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/147630

*International Journal of
Molecular Sciences*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
ijms@mdpi.com

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





International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



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



About the Journal

Message from the Editor-in-Chief

The *International Journal of Molecular Sciences (IJMS)* 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, and molecular biophysics. *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.

Editor-in-Chief

Prof. Dr. José L. Quiles
Department of Physiology, Institute of Nutrition and Food Technology
"Jose Mataix", Biomedical Research Center, University of Granada,
Avda. Conocimiento s/n, 18100 Armilla, Granada, Spain

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, MEDLINE, Embase, CAPus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Organic Chemistry)