# **Special Issue**

# Molecular Mechanisms and Combinatorial Strategies in Anti-Obesity Therapeutics

## Message from the Guest Editors

This Special Issue, "Effect of Dietary and Pharmacological Interventions on Food Intake and Body Weight", seeks to highlight findings on the pharmaceutical effects of obesity treatments in highfat-diet-induced obese (DIO) and genetically obese rodent models. It focuses on novel combination treatment strategies that result in weight loss by reducing energy intake and/or increasing energy expenditure in DIO and genetically obese rodents. Furthermore, it identifies molecular mechanisms that contribute to these effects using cellular, molecular, biological, chemical and immunological approaches. It concludes by discussing current gaps, inconsistencies, and some of the ongoing challenges in this field to facilitate the adoption of dual- and triple-agonist-based therapeutics as a viable anti-obesity treatment strategy in rodent models without adverse side effects.

We welcome the submission of original research articles, mini reviews and reviews.

## **Guest Editors**

Dr. James Ernest Blevins

Division of Metabolism, Endocrinology and Nutrition, Department of Medicine, University of Washington, VA Puget Sound Health Care System, 1660 South Columbian Way, Research-151, Seattle, WA 98108, USA

#### Dr. Pawel K. Olszewski

- 1. School of Science, University of Waikato, Hamilton 3216, New Zealand
- 2. Department of Food Science and Nutrition, University of Minnesota, St. Paul, MN 55455, USA

# Deadline for manuscript submissions

31 January 2026



# International Journal of Molecular Sciences

an Open Access Journal by MDPI

Impact Factor 4.9 CiteScore 9.0 Indexed in PubMed



mdpi.com/si/247916

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





# International Journal of Molecular Sciences

an Open Access Journal by MDPI

Impact Factor 4.9 CiteScore 9.0 Indexed in PubMed





# 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.

#### **Editor-in-Chief**

#### Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences, Sez-Biochimica, Faculty of Medicine, Università Politecnica delle Marche, Via Ranieri 65, 60100 Ancona, Italy

#### **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, CAPlus / SciFinder, and other databases.

#### Journal Rank:

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

