



Stress-Response Pathways in Obesity and Metabolic Diseases

Guest Editor:

Dr. Dionysios Chartoumpakis

Service of Endocrinology,
Diabetology and Metabolism,
Lausanne University Hospital
(CHUV), 1011 Lausanne,
Switzerland

Deadline for manuscript
submissions:

closed (20 March 2025)

Message from the Guest Editor

Dear Colleagues,

The prevalence of obesity is increasing worldwide. Several comorbidities are associated with obesity, such as type 2 diabetes, dyslipidemia, cardiovascular disease, and cancer. The combination of basic and translational research is necessary to further elucidate the mechanisms that contribute to the emergence of the obese phenotype and its metabolic complications at the hypothalamus and at peripheral tissues.

In this Special Issue, we will focus on the stress response pathways occurring during obesity and their relationship with metabolic fluctuations at the cellular, tissue, and organismal level.

Descriptive or mechanistic studies with novel findings related to model organisms or humans, open-ended research utilizing high-throughput screen methods as well as translational studies are welcome. Last but not least, studies on pharmacological interventions with naturally occurring or synthetic compounds that can modulate stress response pathways and affect the outcomes of obesity are also welcome.

Dr. Dionysios Chartoumpakis, Dr. Anthony Bougas, and Dr. Aristeia Psilopanagioti
Guest Editor team





an Open Access Journal by MDPI

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

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.

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)

Contact Us

*International Journal of Molecular
Sciences* Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/ijms
ijms@mdpi.com
X@IJMS_MDPI