

Special Issue

Novel Insights into the Physiological and Pathological Role of Leptin and Leptin Receptor

Message from the Guest Editors

In recent years, research efforts have been expanded to clarify the role of leptin/leptin receptors in human physiology and in the pathophysiology of several disorders. However, more studies are needed to fully elucidate leptin/leptin receptor signaling pathways. The adipocyte-derived factor leptin and its receptor (ObR) are widely expressed in a large spectrum of tissues, wherein they play a pivotal role in energy homeostasis, metabolism, and in neuroendocrine and immune functions. Further, it has been demonstrated that the leptin/leptin receptor signaling pathway is linked to the proliferation, migration, and invasion of cancer cells. Indeed, targeting the leptin/leptin receptor has generated a great amount of interest in the design and development of several modulators that could offer a valuable therapeutic strategy in many diseases. In this Special Issue, we welcome original research articles, as well as review articles, in order to provide new knowledge about the physiological and pathological significance of leptin/leptin receptors.

Guest Editors

Dr. Salvatore Panza

Department of Pharmacy, Health and Nutritional Sciences, University of Calabria, Via P. Bucci, 87036 Arcavacata di Rende, CS, Italy

Dr. Luca Gelsomino

Department of Pharmacy, Health and Nutritional Sciences, University of Calabria, 87036 Arcavacata di Rende, CS, Italy

Deadline for manuscript submissions

closed (31 May 2023)



Biomolecules

an Open Access Journal
by MDPI

Impact Factor 4.8
CiteScore 9.2
Indexed in PubMed



mdpi.com/si/86909

Biomolecules
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
biomolecules@mdpi.com

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





Biomolecules

an Open Access Journal
by MDPI

Impact Factor 4.8
CiteScore 9.2
Indexed in PubMed



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



About the Journal

Message from the Editorial Board

Biomolecules is a multidisciplinary open-access journal that reports on all aspects of research related to biogenic substances, from small molecules to complex polymers. We invite manuscripts of high scientific quality that pertain to the diverse aspects relevant to organic molecules, irrespective of the biological question or methodology. We aim for a competent, fair peer review and rapid publication. Please look at some of the exciting work that has been published in *Biomolecules* so far. We would be delighted to welcome you as one of our authors.

Editors-in-Chief

Prof. Dr. Peter E. Nielsen

Department of Cellular and Molecular Medicine, Faculty of Health and Medical Sciences, University of Copenhagen, Blegdamsvej 3C, DK-2200 Copenhagen, Denmark

Prof. Dr. Lukasz Kurgan

Department of Computer Science, Virginia Commonwealth University, Richmond, VA 23284, USA

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, MEDLINE, PMC, Embase, CAPlus / SciFinder, and other databases.

Journal Rank:

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