

Special Issue

PPARs as Key Regulators in Different Diseases

Message from the Guest Editors

It is well-known that sedentary living and high-fat food result in a chronically sick, there is no doubt that peroxisome proliferator-activated receptors (PPARs) α , β , and γ play key roles as modulators of lipid homeostasis, in addition to having effects on a variety of cell signals involved in cellular differentiation, inflammation, tumorigenesis, etc. If, on the one hand, this makes PPARs and their ligands appealing for their therapeutic potential, on the other hand, their “pluripotent functionality” is associated with a negative perception of PPAR targeting because of insidious side effects that result from this feature. This Special Issue light on new perspectives on PPARs targeting, in terms of both metabolic diseases and other pathologies, with special attention to the structural aspects governing PPARs functions. Alternatively, we would like to invite articles that address the above-mentioned issues either from a structural or a biological perspective. Any original research papers contributing to advancing our understanding of molecular mechanisms underlying PPARs functions by presenting innovative interpretations are highly welcome.

Guest Editors

Dr. Roberta Montanari

Institute of Crystallography, National Research Council, Monterotondo, 00015 Rome, Italy

Dr. Davide Capelli

Institute of Crystallography, National Research Council, Monterotondo, 00015 Rome, Italy

Deadline for manuscript submissions

closed (30 April 2024)



Biomolecules

an Open Access Journal
by MDPI

Impact Factor 4.8
CiteScore 9.2
Indexed in PubMed



mdpi.com/si/122122

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, CAPIus / SciFinder, and other databases.

Journal Rank:

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