

Special Issue

Molecular Basis of Metabolic Homeostasis

Message from the Guest Editor

Maintaining metabolic homeostasis is essential for cellular life, and it involves a tight regulation of temperature, food intake, energy expenditure, and glycemia. The adipose tissue, liver, and pancreas are traditionally considered organs of the endocrine system involved in regulating metabolic homeostasis, and an appropriate crosstalk between them is necessary for ensuring individual health. A better understanding of the mechanisms associated with metabolic homeostasis in adipose tissue and the impact of its deregulation on other organs is essential for the development of novel therapeutic approaches and strategies to improve metabolic diseases. This Special Issue will focus on original research articles, brief reports, and review articles related to the metabolic processes necessary to maintain cellular and tissue homeostasis, including animal models and in vitro studies.

Guest Editor

Dr. Verónica Miksztowicz

Laboratorio de Patología Cardiovascular Experimental e Hipertensión Arterial, Instituto de Investigaciones Biomédicas UCA-CONICET, Facultad de Medicina, Pontificia Universidad Católica Argentina, Buenos Aires 1113, Argentina

Deadline for manuscript submissions

closed (28 February 2026)



Biology

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 7.3
Indexed in PubMed



mdpi.com/si/196497

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

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





Biology

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 7.3
Indexed in PubMed



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



About the Journal

Message from the Editorial Board

A major strength of biological science is the diversity of approaches that biological scientists apply to their research problems. *Biology* reflects this diversity and brings together studies employing the varied experimental and theoretical approaches that are fueling biological discovery. *Biology*, the journal, is a fully peer-reviewed publication with a rapid and economical route to open access publication and is listed on PubMed. All articles are peer-reviewed and the editorial focus is on determining that the work is scientifically sound rather than trying to predict its future impact.

Editors-in-Chief

Prof. Dr. Jukka Finne

Research Programme in Molecular and Integrative Biosciences, Faculty of Biological and Environmental Sciences, University of Helsinki, P.O. Box 56, FI-00014 Helsinki, Finland

Prof. Dr. Andrés Moya

Integrative Systems Biology Institute, University of Valencia and CSIC, 46980 Valencia, Spain

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, PubAg, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Biology) / CiteScore - Q1 (General Agricultural and Biological Sciences)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.8 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the second half of 2025).