

Special Issue

The Role of Bioactive Lipids in Health and Disease

Message from the Guest Editor

Bioactive lipids are lipids involved in signaling in every cell of every organism. They are the main diffusion mediators of the inflammatory response in tissues and regulate the polarity of cell membranes; As particularly prominent signaling molecules in the immune system, various bioactive lipids are required for the proper functioning of both the innate and adaptive immune system, in the vesicle traffic required to deliver many proteins to the appropriate organelles and to maintain structure and order within the cell. Currently, over thousands of bioactive lipids, including fatty acids and their metabolic products, acylglycerol derivatives, endocannabinoids, lysophospholipids, sphingolipids, etc., and sterols, sphingolipids have numerous functions important for homeostatic regulation and disease pathologies, cancer, heart disease, neurodegenerative disorders, obesity, and diabetes. In this Special Issue, original research and review articles focused on the field and, specifically, the molecular mechanism of the bioactive lipids participating in homeostasis and related disorders, identifying receptors, and exploring their signal transduction, are warmly welcome.

Guest Editor

Dr. Valerio Chiurchiù

1. Institute of Translational Pharmacology, National Research Council (CNR), 00133 Rome, Italy
2. Laboratory of Resolution of Neuroinflammation, European Center for Brain Research (CERC)/IRCCS Santa Lucia Foundation, 00143 Rome, Italy

Deadline for manuscript submissions

closed (28 June 2023)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/132509

*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](https://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



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



About the Journal

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)