

Special Issue

New Insights into the Regulation of Inflammation: Mechanisms, Mediators and Therapeutic Targeting

Message from the Guest Editors

Inflammation is a physiological response of the host to infectious or sterile tissue damage with the primary purpose of restoring tissue homeostasis. However, failure in the regulation of inflammation underlies the pathogenesis of several disorders, including metabolic syndromes, autoimmunity, cardiovascular and neurodegenerative pathologies, and cancer. The fine-tuning of inflammation involves various cellular pathways to endogenously generated mediators; it includes changing in cytokines and lipid mediators, apoptosis of inflammatory infiltrating cells and macrophage polarization towards a pro-resolved phenotype. In this Special Issue, “*New Insights into the Regulation of Inflammation: Mechanisms, Mediators and Therapeutic Targeting*”, we invite investigators to contribute with high-quality original research and review articles focused on molecular, cellular and genetic determinants involved in regulation of inflammation as a basis for the development of innovative approaches for the treatment of inflammation-related diseases.

Guest Editors

Prof. Dr. Elena Monica Borroni

1. Department of Medical Biotechnologies and Translational Medicine, University of Milan, 20133 Milan, Italy

2. Department of Immunology and Inflammation, IRCCS Humanitas Research Hospital, 20089 Rozzano, Italy

Dr. Benedetta Savino

1. Department of Medical Biotechnologies and Translational Medicine, University of Milan, Milan, Italy

2. Humanitas Clinical and Research Center – IRCCS, Rozzano, Italy

Deadline for manuscript submissions

closed (29 February 2024)



Biomolecules

an Open Access Journal
by MDPI

Impact Factor 4.8
CiteScore 9.2
Indexed in PubMed



mdpi.com/si/88650

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)