

Special Issue

Inflammatory Pathways in Neuro-Muscular Degeneration, Metabolic Syndromes, Cancer and Infection

Message from the Guest Editors

Inflammation is a common factor of most pathological conditions (genetic and acquired) and has been shown to promote progression of the disease state, whether it be growth, invasion/migration and metastases in cancer or enhanced apoptosis and cell death in degenerative diseases. This Special Issue on inflammatory signaling will emphasize research aimed at understanding the role of inflammatory/stress signaling in altering normal cellular processes during disease development and progression, as well as how an alteration of these processes resulting from a somatic or inherited genetic mutation directly affects inflammatory/stress signaling. In addition, the potential of infectious agents (HBV, HCV, HIV, HSV, *H. pylori*, etc.) to stimulate innate immune/inflammatory pathways, thereby promoting secondary disease, will be explored. In this regard, we would like to invite review articles which address the issues stated above from both a bioinformatics (proteomics, transcriptomics) and a basic biological approach (post-translational modification, biochemical/biological activity). In addition, any original research adding relevant information to the topic is highly encouraged.

Guest Editors

Dr. Irene Faenza

Department of Biomedical and NeuroMotor Sciences, University of Bologna, 40126 Bologna, Italy

Dr. William Blalock

"Luigi Luca Cavalli-Sforza" Institute of Molecular Genetics, National Research Council of Italy, 40136 Bologna, Italy

Deadline for manuscript submissions

closed (31 August 2022)



Biomolecules

an Open Access Journal
by MDPI

Impact Factor 4.8
CiteScore 9.2
Indexed in PubMed



mdpi.com/si/49699

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)