

Special Issue

Mechanisms and Novel Biomarkers Underlying Aging and Longevity

Message from the Guest Editors

Aging is a complex biological process associated with a progressive time dependent decline in organismal function. This deterioration is the primary driver of the dominant age-associated human diseases, such as cardiovascular disorders, cancer, and neurodegeneration. Nowadays, the rapid increase in the aged population entails major health and socioeconomic problems, which challenge our society. Therefore, increasing our knowledge of the mechanisms underlying aging, as well as identification of reliable biomarkers of aging, will have a global impact. In the recent years, major progress has been made within the field of aging research, and this has resulted in the formulation of an increasing number of hallmarks of aging. Extensive studies of the various hallmarks and how they interconnect and contribute to the regulation of aging are ongoing.

We encourage scientists to send original research articles and reviews that will cover the molecular, cellular, and systemic mechanisms underpinning aging both in laboratory organisms and in human medicine. Interventions that target longevity and health-span will also be an area of great interest.

Guest Editors

Dr. Ines Sanchez-Roman

Department of Genetics, Physiology and Microbiology, Faculty of Biological Sciences. Complutense University of Madrid, Madrid, Spain

Dr. Tinna V. Stevnsner

Department of Molecular Biology and Genetics, Aarhus University, Aarhus, Denmark Danish Aging Research Center, Aarhus, Denmark

Deadline for manuscript submissions

closed (31 May 2024)



Biomolecules

an Open Access Journal
by MDPI

Impact Factor 4.8
CiteScore 9.2
Indexed in PubMed



mdpi.com/si/176748

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)