

Special Issue

Regulation of the Endothelial Cell Barrier

Message from the Guest Editors

For this Special Issue, we would like to attract contributions on the identification of mechanisms that link endothelial dysfunction to various health issues, such as environmental stress and aging to cardiovascular disease and stroke, thereby supporting the development of novel preventive and therapeutic approaches, including virtual drug screening and mathematical modeling approaches. In this Special Issue, we invite contributions that address the role of endothelial dysfunction in the development of cardiovascular and cerebrovascular diseases via extrinsic factors (environmental determinants, lifestyle, etc.) in combination with intrinsic risk factors (age-related changes), as well as contributions based on bioinformatics approaches to develop new avenues for prevention, diagnosis, and therapy.

Guest Editors

Prof. Dr. Carola Yvette Förster

Dr. Brandon Kim

Prof. Dr. Sergey Shityakov

Deadline for manuscript submissions

closed (25 February 2024)



Biomolecules

an Open Access Journal
by MDPI

Impact Factor 4.8
CiteScore 9.2
Indexed in PubMed



mdpi.com/si/113008

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)