



Advances in Galectins

Guest Editors:

Dr. Anu Paul

Brigham and Women's Hospital,
77 Avenue Louis Pasteur, New
Research Building 652, Boston,
MA 02115, USA

Dr. Diyoly Ayona

Microbiology, Tumor and Cell
Biology, Karolinska Institutet,
Biomedicum C8, Solnavägen 9,
171 65 Solna, Sweden

Deadline for manuscript
submissions:

31 December 2024

Message from the Guest Editors

This Special Issue aims to bring together cutting-edge research on recent advances in galectin biology. We invite authors to contribute original research articles, reviews, and perspectives on the multifaceted aspects of galectin research.

Potential topics in the Special Issue include, but are not limited to, the following:

1. Galectin structure and function.
2. Galectin-mediated cellular signaling networks.
3. Immunomodulatory roles of galectins.
4. Galectins in cancer biology and therapy.
5. Galectins and their involvement in inflammatory processes.
6. Neurobiology and galectins.
7. Galectins as regulators and mediators of metabolic signaling.
8. Galectins in development, tissue regeneration, and repair.
9. Galectin–microbe interactions.
10. Galectins in autoimmune diseases.
11. Epigenetic regulation of galectins.
12. Diagnostic and prognostic potential of galectins as biomarkers.
13. Multidisciplinary approaches that combine galectin biology with other fields such as bioinformatics, genomics, and proteomics.
14. Evolutionary perspectives on galectins.
15. Galectin-based interventions in clinical research.





an Open Access Journal by MDPI

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

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.

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)

Contact Us

Biomolecules Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/biomolecules
biomolecules@mdpi.com
X@Biomol_MDPI