

Special Issue

Rare Diseases Associated with SNPs and Protein Structure Modifications

Message from the Guest Editors

Insufficient data limits our knowledge of rare diseases. Genetic disorders often manifest in mutated proteins with modified structure and functionality, and finally lead to changes in metabolic pathways and organism homeostasis. The discovery of the linkage between single-nucleotide modification and the observed dysfunction of the organism is a challenging task, and requires the co-operation of genetics, biochemists, structural biologists, and many other specialists. The aim of the current Special Issue is to provide substantial contributions to the field examining the structure–function relationship of the changes in proteins caused by single-nucleotide polymorphisms or their combination. We welcome original research papers presenting novel computational/experimental studies, as well as reviews, in themes including, but not limited to: - Newly identified disorders modifying proteins' function; - Studies of the linkages of mutations in proteins with metabolic pathways; - Structural analysis of the molecular basis of protein disfunction. Prof. Dr. Sabina Wallmark

Guest Editors

Prof. Dr. Sabina Janciauskiene
German Center for Lung Research, Hannover, Germany

Dr. Artur Góra
Tunneling Grup, Biotechnology Centre, Silesian University of Technology, Krzywoustego 8, 44-100 Gliwice, Poland

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/74630

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)