biomolecules

IMPACT FACTOR 4.8

Indexed in: PubMed

CITESCORE 9.4

an Open Access Journal by MDPI

Protein Misfolding Diseases: Molecular Mechanisms and Therapeutic Strategies

Guest Editors:

Dr. Priyanka Joshi
Georgetown Faculty, Georgetown University, Washington, DC 20057, USA

Dr. Michele Perni
Centre for Misfolding Diseases, Department of Chemistry, University of Cambridge, Cambridge CB2 1EW, UK.

Deadline for manuscript submissions:
31 December 2024

Message from the Guest Editors

Misfolded proteins and their isoforms are increasingly being recognized as cytotoxic agents over a wide range of human disorders associated with protein aggregation and biomolecular condensate formation. These disorders, including Alzheimer's and Parkinson's diseases, type II diabetes, and amyotrophic lateral sclerosis, among others, are increasingly prevalent and profoundly debilitating. Recent years have witnessed extensive mechanistic investigations, both in vitro and in vivo, leading to the proposal of various therapeutic strategies. These approaches aim at restoring protein and cellular homeostasis through interventions utilizing natural products, small molecules, antibodies, or human metabolites. This Special Issue will cover some of the most advanced developments in this field, ranging from mechanistic in silico studies, to bench science, method development, and pre-clinical studies.

biomolecules

IMPACT FACTOR 4.8 | Indexed in: PubMed | CITESCORE 9.4

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