

Special Issue

Novel Applications and Mechanism of Proteinase Inhibitors

Message from the Guest Editor

Balanced activities of proteinases and their inhibitors are critical in many biological processes to maintain a healthy condition. Overreactive proteinases are often involved in the pathogenesis of human diseases, including autoimmune, inflammatory and infectious diseases, as well as cancer. Therefore, targeting proteinase by synthetic or native proteinase inhibitors has therapeutic potential for the treatment of human diseases. In addition to the complexity of proteinase functions, the functions and applications of proteinase inhibitors remain elusive. Recent studies identified new proteinase inhibitors and revealed new mechanisms of proteinase inhibition. This Special Issue aims to publish recent findings that advance the therapeutic applications and the functional mechanism(s) of proteinase inhibitors.

Guest Editor

Dr. Sihong Song

Department of Pharmaceutics, College of Pharmacy, University of Florida, Gainesville, FL, USA

Deadline for manuscript submissions

closed (31 March 2023)



Biomolecules

an Open Access Journal
by MDPI

Impact Factor 4.8
CiteScore 9.2
Indexed in PubMed



mdpi.com/si/124106

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)