







an Open Access Journal by MDPI

Macromolecular Folding and Dynamics

Guest Editors:

Dr. Gang (Gary) Ren

The Molecular Foundry, Lawrence Berkeley National Laboratory, Berkeley, CA 94720, USA

Dr. Corie Ralston

Molecular Biophysics and Integrated Bioimaging Division, Lawrence Berkeley National Laboratory, Berkeley, CA 94720, IJSA

Dr. Rohit Jain

School of Medicine, Case Western Reserve University, Cleveland, OH. USA

Deadline for manuscript submissions:

closed (30 June 2023)

Message from the Guest Editors

Dear Colleagues,

The goal of this Special Issue is to highlight some recent advances in characterization of macromolecular structural dynamics and folding. We focus here on new and existing tools to analyze conformational organization, including single-molecule 3D structure determination and location, characterization of macromolecular dynamics and folding/unfolding, the dynamics of structural transitions, and methods for probing rapid and small motions of macromolecules in solution. Through elucidation of intermediate conformations and dynamics, the landscape of structure and energy can enable us to understand the comprehensive spatial and kinetic organization of macromolecules in living cells.

Dr. Gang (Gary) Ren Dr. Corie Ralston Dr. Rohit Jain Guest Editors













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 & Molecular Biology*) / CiteScore - Q1 (*Biochemistry*)

Contact Us