

Special Issue

Structure and Function of Proteins: From Bioinformatics Insights

Message from the Guest Editor

Bioinformatics has become essential for elucidating the links between protein structure, dynamics, and function, as well as for understanding target-based drug discovery approaches. It is therefore clear that an integrated approach combining different computational and experimental techniques will provide more comprehensive and mechanistic insights into protein structure and function. In this Special Issue, we will explore the application of bioinformatics in key areas such as prediction of 3D structures of unstructured proteins, prediction of gene expression, identification of transposable elements, and prediction of interactions between biologically important proteins (e.g., druggable proteins) and ligands. In addition, reports are encouraged to propose new experimental or computational methods for the interpretation and understanding of biophysical-chemical data, structural studies of proteins and macromolecular assemblies, modification of protein structure and function via molecular biology and genetics techniques, conditions for functional analysis under physiology, and protein interactions with receptors, nucleic acids, or other specific ligands or substrates.

Guest Editor

Dr. Jianwen Fang

Biometric Research Program, Division of Cancer Treatment and Diagnosis, National Cancer Institute, Rockville, MD 20850, USA

Deadline for manuscript submissions

closed (31 July 2024)



Current Issues in Molecular Biology

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 3.7
Indexed in PubMed



mdpi.com/si/183954

Current Issues in Molecular Biology
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
cimb@mdpi.com

[mdpi.com/journal/
cimb](https://mdpi.com/journal/cimb)





Current Issues in Molecular Biology

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 3.7
Indexed in PubMed



[mdpi.com/journal/
cimb](https://mdpi.com/journal/cimb)



About the Journal

Message from the Editor-in-Chief

Editor-in-Chief

Prof. Dr. Madhav Bhatia

Department of Pathology and Biomedical Science, University of Otago,
Christchurch, 2 Riccarton Avenue, P.O. Box 4345, Christchurch 8140,
New Zealand

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PMC,
PubMed, Embase, CAPus / SciFinder, FSTA, AGRIS, and
other databases.

Rapid Publication:

manuscripts are peer-reviewed and a first decision is
provided to authors approximately 17.8 days after
submission; acceptance to publication is undertaken in 2.7
days (median values for papers published in this journal in
the first half of 2025).

Recognition of Reviewers:

APC discount vouchers, optional signed peer review, and
reviewer names are published annually in the journal.