

Topical Collection

Bioinformatics Approaches to Biomedicine

Message from the Collection Editor

Bioinformatics has become an indispensable tool in understanding the biological complexity of diseases and providing unprecedented insights into the biomedical sciences. The growth of omics data allowed studies at different molecular levels of the same sample, aiding to the identification of novel potential biomarkers and therapeutic targets, as well as disease patients' classification. This Topical Collection aims at presenting computational methods in bioinformatics, along with their application to biomedical sciences. The contributions may describe novel or existing approaches to aid: the identification of diagnostic, prognostic, or predictive biomarkers; the discovery of potential therapeutic targets and important disease-related pathways; or provide valuable insights into a precision medicine. Potential topics include, but are not limited to:

- Biological data mining;
- Omics data analysis (genomics, transcriptomics, proteomics, and metabolomics);
- Omics data integration;
- Modelling Analysis in Health Informatics and Biomedicine;
- Network-based methods and machine learning methods for precision medicine;
- Biomarkers discovery and disease classification.

Collection Editor

Dr. Giulia Fiscon

Department of Computer, Control, and Management Engineering (DIAG), Sapienza University of Rome, 00179 Rome, Italy



Current Issues in Molecular Biology

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 3.7
Indexed in PubMed



mdpi.com/si/191436

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.