

## 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 and 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 for the Promotion of Human Science and Quality of Life,  
San Raffaele Roma University, 00100 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](https://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](mailto: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 Molecular Medicine, University of Otago,  
Christchurch 8140, New Zealand

---

#### Author Benefits

##### High Visibility:

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

##### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.3 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the second half of 2025).

##### Recognition of Reviewers:

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