

## Special Issue

# Emerging Trends in Bioinformatics and Computational Biology

### Message from the Guest Editor

We welcome high-quality original research papers, reviews, and perspective articles that explore current challenges and breakthroughs in the computational analysis of molecular data. Topics of interest include, but are not limited to, the following:

- Novel algorithms and computational methods for molecular data analysis;
- Advances in genomics, transcriptomics, proteomics, and metabolomics;
- Multi-omics data integration and systems-level insights;
- Computational modeling of molecular mechanisms and regulatory network inference;
- Applications of machine learning, deep learning, and AI in bioinformatics;
- Missing value imputation and change-point detection;
- Big data approaches for molecular biology research;
- Novel methods for molecular diagnostics, precision medicine, and therapeutics;
- Data visualization and mining techniques for high-dimensional molecular data.

This Special Issue aims to bring together contributions from worldwide researchers in the fields of bioinformatics and computational biology. Submissions should provide new insights, introduce transformative methods, or present impactful applications that deepen our understanding of molecular biology through computational innovation.

### Guest Editor

Prof. Dr. Haijun Gong

Department of Mathematics & Statistics, Saint Louis University, St. Louis, MO 63103, USA

### Deadline for manuscript submissions

31 March 2026



## Current Issues in Molecular Biology

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Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[cimb@mdpi.com](mailto:cimb@mdpi.com)

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## About the Journal

### Message from the Editor-in-Chief

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#### 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,  
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