

## Special Issue

# Challenges and Advances in Bioinformatics and Computational Biology

### Message from the Guest Editor

We are pleased to announce a call for papers for a Special Issue entitled "Challenges and Advances in Bioinformatics and Computational Biology". This Special Issue aims to highlight the latest research, developments, and innovative approaches in bioinformatics and computational biology, with a particular focus on the molecular biology level. We welcome original research articles, comprehensive reviews, and insightful perspectives that address significant challenges and advancements in the analysis, interpretation, and application of molecular data. Topics of interest include the following:

- Novel computational methods for molecular data analysis;
- Advances in genomics, proteomics, and metabolomics;
- Integration and interpretation of multi-omics data;
- Computational modeling of molecular interactions and pathways;
- Applications of machine learning and AI in bioinformatics;
- Big data analytics in molecular biology;
- Bioinformatics tools for molecular diagnostics and personalized medicine;
- Data mining and visualization techniques for molecular data.

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### Guest Editor

Dr. Haijun Gong

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### Deadline for manuscript submissions

30 June 2025



## Current Issues in Molecular Biology

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## About the Journal

### Message from the Editor-in-Chief

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#### Editor-in-Chief

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