

Special Issue

Methods in Bioinformatics and Computational Biology

Message from the Guest Editor

Recent breakthroughs in high-throughput sequencing, multi-omics technologies, and imaging have produced increasingly large and complex biological datasets. These developments have elevated the role of bioinformatics and computational biology in advancing life sciences research. From uncovering molecular mechanisms to enabling precision medicine, computational methods are now indispensable tools for interpreting biological complexity. This Special Issue aims to highlight innovative computational approaches, analytical techniques, and modelling frameworks that address current challenges in biology and biomedicine. We particularly welcome interdisciplinary studies that integrate bioinformatics with experimental validation, as well as those that contribute to sustainable and reproducible research practices. By bringing together contributions from computer science, mathematics, biology, and medicine, this Special Issue will serve as a platform to foster cross-disciplinary collaboration and methodological innovation in the field.

Guest Editor

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Message from the Editorial Board

A major strength of biological science is the diversity of approaches that biological scientists apply to their research problems. *Biology* reflects this diversity and brings together studies employing the varied experimental and theoretical approaches that are fueling biological discovery. *Biology*, the journal, is a fully peer-reviewed publication with a rapid and economical route to open access publication and is listed on PubMed. All articles are peer-reviewed and the editorial focus is on determining that the work is scientifically sound rather than trying to predict its future impact.

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