

Special Issue

Bioinformatics and Computational Biology 2019

Message from the Guest Editors

In recent years, we have witnessed a series of breakthroughs in molecular biology and its companion technologies; for instance, CRISPR-Cas9 technology has attracted worldwide attention for its translational applications to human embryo gene editing. Nonetheless, those wet-lab technologies have raised multitudes of computational challenges such as off-target sequence analysis, combinatorial sequence mutation patterns, genotype-phenotype relationship mining, high-throughput sequencing data processing, and genomic data integration with other medical data.

In the Special Issue, we envision that bioinformatics and computational biology will play a larger role than in the past for addressing these computational challenges. We invite your contributions, either in the form of original research articles, reviews on all aspects related to the theme of “Bioinformatics and Computational Biology”.

Bioinformatics
Computational biology
Biostatistics
Health informatics
Medical informatics
Evolutionary bioinformatics
Genome research
Metagenomic research
High-throughput sequencing technology
High-throughput biodata management
Emerging topics in bioinformatics and computational biology

Guest Editors

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Deadline for manuscript submissions

closed (31 December 2019)



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About the Journal

Message from the Editorial Board

Cells has become a solid international scientific journal that is now indexed on SCIE and in other databases. We have successfully introduced a special issues format so that these issues serve as mini-forums in specific areas of cell science. *Cells* encourages researchers to suggest new special issues, serve as special issues editors, and volunteer to be reviewers. Our main focus will remain on cell anatomy and physiology, the structure and function of organelles, cell adhesion and motility, and the regulation of intracellular signaling, growth, differentiation, and aging. We are open to both original research papers and reviews.

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16 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).