



Methods, web-based platforms, open data and open software tools for big data analytics, machine learning-based predictive models using genomic and imaging data, and information retrieval in biology and medicine.

Open access | Peer reviewed | PubMed, PMC, Scopus, DOAJ indexed

JMIR Bioinformatics and Biotechnology (JBB, ISSN 2563-3570) is an open access journal focused on publishing cutting-edge research in bioinformatics, algorithms and tools for genomic variation detection (eg, single-cell sequencing and spatial transcriptomics), artificial intelligence (AI) applications in genomics and pathology informatics (eg, image analysis), AI-based predictive models, mathematical modeling in biological systems (eg, drug delivery and discovery), genomic data visualization and analyses, and network biology.

At JBB, we are committed to advancing translational research alongside fundamental science and algorithm development. Our goal is to establish JBB as a platform for interdisciplinary collaboration among experts in bioinformatics, biology, computer science, mathematics, and medical practice to help address the challenges of integrating large-scale genomic data with clinical information.

Call for papers for theme issue
"Artificial Intelligence in Oncology"



Ece D Uzun, MS, PhD, FAMIA
Editor-in-Chief, JMIR
Bioinformatics and Biotechnology

Top Altmetric articles



Nonfungible Tokens as a Blockchain Solution to Ethical Challenges for the Secondary Use of Biospecimens: Viewpoint
Gross MS, Hood AJ, Miller Jr RC



Digital Phenotyping in Health Using Machine Learning Approaches: Scoping Review
Dlima SD, Shevade S, Menezes SR, Ganju A



Novel Molecular Networks and Regulatory MicroRNAs in Type 2 Diabetes Mellitus: Multiomics Integration and Interactomics Study
Khokhar M, Roy D, Tomo S, Gadwal A, Sharma P, Purohit P



Get to Know the JBB Editorial Board

Carol Cheung
Joseph Finkelstein
Sean M Hacking

Aik Choon Tan
Shulan Tian
Alper Uzun

Huihuang Yan
Zongliang Yue



Become an Editorial Board Member

JMIR Publications is actively looking for new members to join the editorial board of *JMIR Bioinformatics and Biotechnology*. Our editorial boards are composed of outstanding individuals committed to rigor in scientific review and excellence in providing educational feedback for authors.



Global Author Representation



JBB publishes cutting-edge, peer-reviewed research by researchers across the globe

2024_10_JF_JBB