CALL FOR PAPERS

The 15th ACM Conference on Bioinformatics, Computational Biology, and Health Informatics (ACM-BCB 2024) is the flagship conference of the ACM SIGBio (https://hpcc.siat.ac.cn/acm-bcb2024). It will be held for the first time outside of USA in Shenzhen China from Nov 22nd to 25th 2024, after past successes in many USA locations. ACM-BCB 2024 aims to promote AI for Bio-medicine (AI4Bio), including cutting-edge AI advances in computational biology, bioinformatics, and health informatics, at the intersection of computer science, artificial intelligence, statistics, biology, and medicine.

Topics of interest include (but are not limited to):
- Haplotypes and Population Genomics
- Computational Drug Discovery
- Omics Data Integration and Analysis
- Genomic Variation and Disease
- Phylogenetics
- Protein Analysis, Structure, and Dynamics
- Imaging and Radiation Genomics
- Metagenomics and Microbiomes
- Pharmacogenomics
- Biological Networks and Systems Biology
- Knowledge Graphs
- AI and Machine Learning for Healthcare
- Explainable AI and AI Interpretability
- Natural Language Processing (NLP)
- Large Language Model (LLM) for Health
- Semantic Representation of LLMs
- Data Harmonization and Ontology
- Computational Phenotyping
- Knowledge Representation Applications
- Multimodality Biomedical Data Analysis
- Biomedical and Health Data Visualization
- Wearable Sensor Informatics
- Computational Epidemiology
- Automated Diagnosis and Prediction
- Data Security and Privacy
- Social Media Analysis for Healthcare

Important Dates:
- Paper submissions due: [June 26th 2024]
- Final Acceptance Notifications sent to authors: [Aug 15th 2024]
- Camera-ready papers due: [Oct 21st 2024]

VISA Application:
- For foreign participants, in order to attend the conference, please apply for a visa in advance. You can apply for Visa of the People’s Republic of China via China Online Visa Application (COVA). For more details, please refer to About Chinese Visa.
- In addition, China implements 72/144-hour transit visa-free policies for 54 countries. An eligible traveler must holds a connecting flight ticket/proof to a 3rd country/region(Hongkong) within the 72/144-hour timeframe with the departure date and seat confirmed. For more details, please refer to Visa-Free Transit Policies.

Submission Guidelines:
The ACM-BCB 2024 Conference invites original submissions not published, nor currently under review elsewhere. Authors can submit regular papers of 8-10 pages using OpenReview for Open Peer Review.

Partnering Journals:
- IEEE/ACM Transaction on Computational Biology and Bioinformatics (confirmed)
- Big Data Mining and Analytics (confirmed)
- iScience
- ACI-Applied Clinical Informatics Journal
- IET Systems Biology
- Patterns
- IEEE Journal of Biomedical and Health Informatics
- Future Generation Computer Systems
- Tsinghua Science and Technology
- Interdisciplinary Sciences : Computational Life Sciences
- Health Information Science and Systems (confirmed)
- Methods

In 2023, 31 papers were selected for special issue submissions as in ACM-BCB 2023 Partner Journals.