Call for Workshops Track Submissions

The 17th ACM Conference on Bioinformatics, Computational Biology, and Health Informatics (ACM-BCB 2026) is the flagship conference of ACM SIGBio. The conference aims to promote big data, AI and algorithms for health and biomedicine, including cutting-edge advances in computational biology, bioinformatics, and health informatics, at the intersection of computer science, biology, health and medicine. The workshops aim to bring together leading researchers and practitioners in focused, interactive settings to exchange ideas, engage in in-depth discussions, and explore emerging research directions and applications in computational biology and health informatics. Each workshop will solicit papers up to 4–6 pages for peer review.

Accepted workshops are expected to be held concurrently with the main conference.

Workshop Topic Categories

Workshop proposals are invited on a broad range of topics, including but not limited to the following ones. For clarity and balance, topics are organized into three main thematic categories:

1. Omics & Systems Biology

- Sequence Analysis
- Single-cell Sequencing
- Omics Data Integration and Analysis
- Genomic Variation and Disease
- Haplotypes and Population Genomics
- Phylogenetics
- Protein and RNA Analysis, Structure, and Dynamics
- Metagenomics and Algorithms for Microbiomes
- Cancer Genomics
- Pharmacogenomics
- Systems Biology
- Biological Networks and Integrative Analysis
- No-Boundary Thinking in Bioinformatics

2. Clinical & Healthcare Informatics

- Imaging Informatics
- Imaging Genomics and Radiation Genomics
- Computational Phenotyping
- Automated Diagnosis and Prediction
- Clinical Databases and Information Systems
- Public Health and Population Health Informatics
- Infectious Disease Networks and Computational Epidemiology
- Social Network Analysis for Health Applications
- Data Security and Privacy
- Knowledge Representation Applications
- Mental Health and Behavioral Informatics
- Healthy Aging and Elder Care Informatics
- Lifestyle Medicine Informatics
- Wearable Sensing, Sensor Informatics, and Mobile Health
- Software–hardware Co-design for Healthcare
- Neurological and Brain Science

3. AI & Data Science

- AI and Machine Learning in Medicine and Healthcare
- Large Language Models and Foundation Models for Healthcare
- Multi-modality Foundational Models for Health Applications
- AI Agents for Health Applications
- Trustworthy, Interpretable, and Explainable AI for Healthcare
- Biomedical NLP and Clinical Text Mining
- Computational and Automated Drug Discovery
- Natural Language Processing (NLP) and Text Mining
- Data Integration, Harmonization, and Ontology
- Physiological Signal Applications and Modeling
- EHR and Longitudinal Record Analysis
- Clinical Evaluation, Validation, and Deployment of AI
- Natural Language Processing (NLP) for Health
- Biomedical and Health Data Visualization
- Bioinformatics Data Mining
- Food Science, Nutrition, and Food Informatics

Workshop Proposal Requirements

Each workshop proposal can be 2–3 pages and should include the following information:

- Motivation and rationale for the workshop
- Proposed workshop length: half a day or a full day with a lunchtime break
- Names, affiliations and biosketches for all workshop organizers
- Main organizer(s)' names and contact emails
- A description of the workshop format, i.e., peer-reviewed proceedings or position papers, and invited talks, panels, in-depth tutorials/demos.
- A detailed timeline for inviting and accepting papers and presenters to the workshop should be presented.

For the continuing workshops (i.e., the workshops already held at previous BCB conferences or recently hosted at similar top conference venues), a shorter proposal is expected, and it will include the following information:

- Past workshop organizing experience of the organizer(s)
- Number of papers submitted and accepted last year or the last time the workshop was held
- Number of invited keynote speakers
- Total attendees last year or the last time the workshop was held.

Workshop Format and Attendance Mode

- Workshops may be held fully in person, fully online, or in a hybrid format. At least one organizer should attend in person and coordinate local arrangements with the conference organizers for in-person and hybrid workshops.
- Organizers of workshops are responsible for providing and managing the virtual meeting platform.

Proceedings and Publication Policy

All accepted workshop proposals will be included in ACM-BCB proceedings as one-page abstracts.

Accepted workshop papers will be included in ACM-BCB workshop proceedings.

Submission Procedure

Each workshop proposal can be 2–3 pages. The proposers are requested to follow the listed instructions above. Submitted proposals must comply with the requirements delineated on the ACM Master Article Template website.

Submissions are handled via Open Review (link available soon).

Important Dates

For Workshop Organizers

- Proposal deadline: January 15, 2027
- Acceptance notification: February 5, 2027
- Calls for papers released: March 5, 2027

For Workshop Authors

- Paper submission deadline: June 4, 2027
- Paper acceptance notification deadlines: June 25, 2027
- Camera-ready deadline: July 9, 2027
- Workshop dates: August 10–13, 2027

Please do not change the paper acceptance notifications and camera-ready deadlines.

Workshop Co-Chairs

Dr. Li Zhang, The University of Texas Rio Grande Valley, USA
Dr. Alisa Yurovsky, SUNY Stony Brook, USA

If you have any questions, please contact bcbworkshopchairs@gmail.com.