



SIGBio Record

Newsletter of the SIGBio
ACM Special Interest Group

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SIGBIO Record - Submission Guidelines

Submission categories

Submissions to the newsletter can be either on a special issue topic or on topics of general interest to the SIGBIO community.

These can be in any one of the following categories:

- Survey/tutorial articles (short) on important topics.
- Topical articles on problems and challenges
- Well-articulated position papers.
- Review articles of technical books, products and .
- Reviews/summaries from conferences, panels and special meetings within 1 to 4 pages [1500-2500 words]
- Book reviews and reports on relevant published technical books
- PhD dissertation abstracts not exceeding 10 pages
- Calls and announcements for conferences and journals not exceeding 1 page
- News items on the order of 1-3 paragraphs

Brief announcements Announcements not exceeding 5 lines in length can simply be sent as ASCII text to the editors by e-mail. SIGBIO Record publishes announcements that are submitted as is without review.

Announcements cannot be advertisements and should be of general interest to the wider community. The Editor reserves the right to reject any requests for announcements at his discretion.

Authors are invited to submit original research papers or review papers in all areas of bioinformatics and computational biology. The papers published in SIGBioinformatics Record will be archived in ACM Digital Library. Papers should follow the ACM format, and there is no page limitation.

<http://www.acm.org/sigs/publications/proceedings-templates>

Submissions should be made via email to the editors [Pierangelo Veltri](#) (*University Magna Graecia of Catanzaro, Italy*),
[Young-Rae Cho](#) (*Baylor University*)

ACM BCB 2016 Call for Volunteers

The ACM Conference on Bioinformatics, Computational Biology, and Health Informatics (ACM BCB) is the flagship conference of the ACM SIGBio. 2016 will be the conference's seventh year, building upon the success of the first five meetings in Niagara Falls, Chicago, Orlando, Washington DC, Newport Beach and Atlanta.

ACM BCB 2016 will welcomes original submissions that have not been published or under review with a **mid-May paper submission deadline**. We are looking forward to receive your manuscripts.

Examples of relevant topics include, but are not limited to, the following:

- Behavioral, Environmental, and Public Health Informatics
- Biological Network Modeling and Analysis
- Biomedical Imaging and Data Visualization
- Clinical and Health Decision Support Systems
- Computational Systems Biology
- Epigenomics, Gene Regulation and Transcription
- Genome and Sequence Analysis
- Healthcare Data Quality Control, Privacy, and Security
- Microbiomics and Metagenomics
- Mobile Health and Sensor Networks
- Population, Evolution, and Comparative Genomics
- Predictive Modeling and Analytics in Healthcare
- Protein and RNA Structure and Function
- Proteomics and Metabolomics
- Text Mining of Biomedical Literature and Clinical Notes
- Translational Bioinformatics

Volunteers who are interested helping to contribute to ACM BCB could contact, Umit V. Catalyurek, 2016 General Chair, at catalyurek.1@osu.edu

ACM-BCB 2016 Call for Papers

Seattle, WA, October 2–5, 2016

acm-bcb.org

The 7th ACM Conference on Bioinformatics, Computational Biology, and Health Informatics (ACM BCB) is the flagship conference of the ACM SIGBio. ACM-BCB 2016 is the conference's seventh year, building upon the success of the first six meetings in Niagara Falls, Chicago, Orlando, Washington DC, Newport Beach, and Atlanta.

ACM-BCB 2016 will be held in Seattle, WA, October 2-5, 2016. The conference is the premier dissemination forum for interdisciplinary research linking computer science, mathematics, statistics, biology, bioinformatics, biomedical informatics, and health informatics. The past few decades have seen tremendous growth in the scale and complexity of biological and medical data including recent mainstream recognition of big data challenges. This conference serves to showcase leading-edge research on new technologies and techniques around gathering, processing, analyzing, and modeling of data and information for a variety of scientific, clinical, and healthcare applications, from bench to bedside.

ACM-BCB 2016 welcomes original submissions that have not been published or under review. Examples of relevant topics include, but are not limited to, the following:

- Behavioral, Environmental, and Public Health Informatics
- Biological Network Modeling and Analysis
- Biomedical Imaging and Data Visualization
- Clinical and Health Decision Support Systems
- Computational Systems Biology
- Epigenomics, Gene Regulation and Transcription
- Genome and Sequence Analysis
- Healthcare Data Quality Control, Privacy, and Security
- Microbiomics and Metagenomics
- Mobile Health and Sensor Networks
- Population, Evolution, and Comparative Genomics
- Predictive Modeling and Analytics in Healthcare
- Protein and RNA Structure and Function
- Proteomics and Metabolomics
- Text Mining of Biomedical Literature and Clinical Notes
- Translational Bioinformatics

Submitted manuscripts should not exceed 10 pages in ACM template on 8.5 x 11 inch paper (<http://www.acm.org/sigs/publications/proceedings-templates>). ACM-BCB's technical program committee will review all submissions on the basis of their originality, technical soundness, significance, presentation, and relevance to the conference attendees. All accepted papers of registered authors will be included in the proceedings published by ACM Digital Library. Details for the conference can be found at the acm-bcb.org

The authors of selected papers will be invited to adapt their papers for being published in a special issue of *IEEE/ACM Transaction on Computational Biology and Bioinformatics* (TCBB), or a special issue of *IEEE Journal of Biomedical and Health Informatics* (J-BHI).

Important Dates:

Paper submissions due	: May 20 th , 2016 (Friday)
Notifications sent to authors	: July 15 th , 2016 (Friday)
Camera-ready papers due	: July 29 th , 2016 (Friday)

General Chairs:

Ümit V. Çatalyürek, The Ohio State University

Genevieve Melton-Meaux, University of Minnesota

Program Chairs:

John Kececioglu, University of Arizona
Adam Wilcox, University of Washington

Workshop Chair:

Ananth Kalyanaraman, Washington State University

Tutorial Chair:

Mehmet Koyuturk, Case Western Reserve University

Demo and Exhibit Chair:

Robert (Bob) Cottingham, Oak Ridge National Laboratory

Poster Chairs:

Lin Yang, University of Florida
Dongxiao Zhu, Wayne State University

Registration Chair:

Preetam Ghosh, Virginia Commonwealth University

Publicity Chairs

Daniel Capurro, Pontificia Universidad Católica de Chile
A. Ercument Cicek, Bilkent University
Pierangelo Veltri, University Magna Graecia of Catanzaro

Student Activity Chair

Marzieh Ayati, Case Western Reserve University
Dan DeBlasio, Arizona State University

Proceedings Chairs:

Xinghua Mindy Shi, University of North Carolina
Yang Shen, Texas A&M University

Steering Committee:

Aidong Zhang, State University of New York at Buffalo, Co-Chair
May D. Wang, Georgia Institute of Technology and Emory University, Co-Chair
Srinivas Aluru, Georgia Institute of Technology
Tamer Kahveci, University of Florida
Christopher C. Yang, Drexel University

ACM-BCB 2016 Call for Workshop Proposals

Seattle, WA, October 2-5, 2016

<http://acm-bcb.org>

ACM-BCB'2016 is the flagship conference of the ACM SIGBio. We invite submissions of workshop proposals on a broad range of topics of interest to the ACM SigBio research community. Examples of relevant topics include, but are not limited to, the following:

- Analytical Tools for Phenomics, and High Throughput Phenotyping
- Big Data and Predictive Analytics in Health Care
- Brain map and computational neuroscience
- Clinical and Health Decision Support Systems
- Computational Systems Biology and Biological Network Modeling
- Epigenomics, Gene Regulation and Transcription
- Epidemiology and infectious disease modeling
- Genome and Sequence Analysis
- Healthcare Data Quality Control, Privacy, and Security
- High Performance Computing (HPC) and Parallel methods for Computational Biology
- Microbiomics, Metagenomics and Metaproteomics
- Mobile Health and Sensor Networks
- Population, Evolution, and Comparative Genomics
- Protein and RNA - Structure and Function
- Proteomics and Metabolomics
- Text Mining of Biomedical Literature and Clinical Notes
- Tools and Methods for Precision Agriculture
- Tools and Methods for Precision Medicine
- Translational Bioinformatics
- Visualization and Visual Analytics of Biological and Health Data

Each workshop proposal can be up to 6 pages to include the following information:

- Motivation and rationale for the workshop
- Proposed workshop length: one-half day, or a full-day with a lunchtime break
- Names and affiliations of main organizers
- A description of the workshop format, i.e. peer-reviewed proceedings, position papers and invited talks, panels, in-depth tutorials/demos:
 - For peer-reviewed sessions, the planned peer-reviewed process should be detailed;
 - For invited talks, names of a list of potential list of speakers should be provided;
 - For panels, the main topic along with a list of panel questions to be addressed, along with names of a potential list of panelists should be provided;
 - For teaching workshops, a draft syllabus should be provided;
 - For demonstration workshops, a general outline of the planned activities and prerequisite materials needed should be described.
- A detailed timeline for inviting and accepting papers and presenters for the workshop should be presented.
- If there is going to be a proceedings for the workshop, would you like the proceedings to appear alongside ACM-BCB proceedings?
- An important goal of the workshops is to engage participants via interactions and/or community building. Each proposal is expected to describe its plans to achieve this goal.

- Any other relevant information to your proposal workshop (e.g. has the proposed workshop be done in the past and in other venues? If so, when and where?).

The proposers are requested to implement the proposed plan only after hearing about the final acceptance notification of the proposed workshop.

Submission procedure: Each workshop proposal can be up to 6 pages (11pt Times New Roman, single line spacing, 1" page margins on all sides). The proposers are requested to address all the details listed above in their proposal. The proposal should be submitted as a single PDF by email to the 2016 ACM-BCB Workshop chair, Ananth Kalyanaraman (ananth@eecs.wsu.edu) using the subject: "ACM-BCB 2016 Workshop Proposal" on or before the due date. For further questions, please contact the workshop chair.

Important Dates:

Workshop proposals due: March 15, 2016

Notification of acceptance: March 31, 2016

ACM-BCB 2016 Call for Tutorials

Seattle, WA, October 2-5, 2016

<http://acm-bcb.org>

The 7th ACM Conference on Bioinformatics, Computational Biology, and Health Informatics (ACM BCB) is the flagship conference of the ACM SIGBio. ACM-BCB 2016 is the conference's seventh year, building upon the success of the first six meetings in Niagara Falls, Chicago, Orlando, Washington DC, Newport Beach, and Atlanta. ACM-BCB 2016 will be held in Seattle, WA, October 2-5, 2016.

ACM-BCB 2016 invites tutorials that address the interests of its varied audience of individuals interested in Bioinformatics and Computational Biology, and Health Informatics (BCB) including graduate students, researchers and educators from academia, and researchers and practitioners from industry and government.

We especially welcome proposals for tutorials that:

- Introduce a specific BCB topic, designed to make the topic (and the conference) more accessible to participants who are new to that topic.
- Provide a hands-on introduction to one or more databases, software tools, or other resources of broad interest to the conference participants.
- Provide a comprehensive review of the current state of the art in a specific BCB topic aimed at researchers and practitioners who are knowledgeable, but not necessarily experts in the topic.
- Present techniques from research fields e.g., algorithms, data mining, machine learning, statistics, parallel computing, that are relevant to BCB research.
- Introduce new research problems, new application areas, or new or emerging technologies of relevance to BCB.

The tutorials will be held on October 5, 2016. We envision tutorials to be 1 to 4 units where each unit is 50 minutes. We encourage tutorials with multiple units to have more than one presenter, preferably from different institutions, bringing different perspectives.

Tutorial proposals should not exceed 3 pages (excluding the speaker biographies), using an 11 point font for the text, and should include:

- Tutorial title
- Names and affiliations of presenters
- Tutorial abstract (200 words maximum, suitable for inclusion on the conference website)
- Tutorial description, including the objectives of the tutorial, its relevance to ACM-BCB 2016, description of the intended audience and background assumed of the audience, sufficient detail regarding the scope of material to be covered and the depth at which it will be covered.
- Desired tutorial length (if there is flexibility regarding length, please specify the topics to be included for each length).
- Expected audience size.
- Information about other venues in which tutorials on the same topic have been presented or planned to be presented, along with pointers to the relevant slides or other tutorial materials and a brief explanation of how the proposed tutorial differs from the other offerings.
- Brief professional biographies of presenters including their scientific and professional qualifications and experience (relevant research, teaching or tutorial presentation) and contact information.

Each proposal will be and ranked based on the significance of the proposed tutorial topic, overall quality of the proposal, the qualifications and experience of the presenters, the tutorial's fit to the conference theme, and the number of tutorial slots and the space available.

Please email tutorial proposals to Tutorial Chair Mehmet Koyuturk (mehmet.koyuturk@case.edu) with the subject line “ACM-BCB 2016: Tutorial Proposal”. To ensure full consideration, tutorial proposals must be received no later than **May 22, 2016**. Notifications of acceptance will be mailed by **June 3, 2016**.