SIGBio Record

Newsletter of the SIGBio
ACM Special Interest Group

Notice to Contributing Authors to SIG Newsletters

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 editor Pierangelo Veltri *(University Magna Graecia of Catanzaro, Italy),*

ACM-BCB 2017 Call for Papers
Boston, MA,August 21-24 2017
acm-bcb.org

The 8th ACM Conference on Bioinformatics, Computational Biology, and Health Informatics (ACM BCB) is the flagship conference of the ACM SIGBio. ACM-BCB 2017 is the conference's eighth year, building upon the success of the first seven meetings in Niagara Falls, Chicago, Orlando, Washington DC, Newport Beach, Atlanta and Seattle.

ACM-BCB 2017 will be held in Boston, MA August 21-24, 2017. The conference is the premier conference dedicated to 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.

In addition, this year ACM-BCB 2017 will be co-located with the Workshop on Algorithms in Bioinformatics (WABI).

ACM-BCB 2017 welcomes original submissions that have not been published or under review. Accepted papers will be published in the ACM-BCB conference proceedings and appear in the ACM Digital Library (note that ACM copyright permissions are directly compatible with NIH and similar open-access policies, see authors.acm.org/main.html for more information). In addition, there is a separate Highlights track for authors who wish to present platform talks for papers that have already appeared in refereed journals; see the conference website for more information. Examples of relevant topics include, but are not limited to, the following:

- Systems Biology
- Automated Diagnosis and Prediction
- Biological Modeling
- Application to Healthcare Processes
- Inferring Phylogenies and Haplotypes
- Text Mining and Classification
- Sequence Analysis and Genome Assembly
- Knowledge Representation Applications
- Protein Structure and Dynamics
- Applications to Microbes and Imaging Genetics
- Protein and RNA Analysis
- Advancing Algorithms and Methods
- Genomic Variation and Disease
- Cancer Genomics
- Big Data in Bioinformatics
- Clinical Databases and Information Systems

Submission Link: https://www.easychair.org/conferences/?conf=bcb17
(Please choose the most appropriate track for the submission)

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 (Note that ACM copyright permissions are directly compatible with NIH and similar open access policies, see http://authors.acm.org/main.html for more information.). 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   : **April 10, 2017**
Notifications sent to authors : June 7, 2017
Camera-ready papers due   : June 21, 2017

General Chairs:
Nurit Haspel, University of Massachusetts Boston
Lenore J. Cowen, Tufts University

Program Chairs:
Amarda Shehu, George Mason University, USA
Tamer Kahveci, University of Florida, USA
Giuseppe Pozzi, Politecnico di Milano, Italy

Program Committee (Track co-chairs):

Systems Biology:
        Wei Wang, UCLA
        Yang Cao, Virginia Tech
        Ferhat Ay, La Jolla Institute for Allergy and Immunology
Automated Diagnosis and Prediction:
        Xiaoqian Jiang, UCSD
        Eva Lee, Georgia Institute of Technology
Biological Modeling:
        Anna Ritz, Reed College
        Pietro Guzzi, University Magna Graecia of Catanzaro
        Swarup Roy, North-Eastern Hill University, India
Application to Healthcare Processes:
        Pierangelo Veltri, University Magna Graecia of Catanzaro
        Mattia Prosperi, University of Florida
        Fei Wang, Cornell University
Inferring Phylogenies and Haplotypes:
        Oliver Eulenstein, Iowa State University
        Mukul Bansal, University of Connecticut
        Kevin Liu, Michigan State University
Text Mining and Classification:
        Catherine Blake, University of Illinois Urbana-Champaign
        Chih-Lin Chi, University of Minnesota
        Rezarta Islamaj-Dogan, NIH-NLM
Sequence Analysis and Genome Assembly:
        Christina Boucher, University of Florida

Stefano Lonardi, University of California, Riverside

Ben Langmead, Johns Hopkins University

Knowledge Representation Applications:

Beth Britt, University of Washington

Carlo Combi, University of Verona

John Holmes, University of Pennsylvania

Protein Structure and Dynamics:

Juan Cortes, CNRS-LAAS, University of Toulouse

Henry van den Bedem, Stanford University

Jerome Waldispuhl, McGill University

Application to Microbes and Imaging Genetics:

Lin Yang, University of Florida

Kun Huang, Ohio State University

Fuogo Fang, Florida International University

Protein and RNA Analysis:

Ruben Abagyan, UCSD

Alexander G. de Brevern, Univ Paris Diderot

Advancing Algorithms and Methods:

Teresa Przytycka, National Institutes of Health

Jaroslaw Zola, University at Buffalo, The State University of New York

Kim Yoo-Ah, National Institutes of Health

Genomic Variation and Disease:

Nicolo Fusi, Microsoft Research

Sara Mostafavi, UBC

Zhiping Weng, UMass Medical School

Cancer Genomics:

Ernest Fraenkel, MIT

Russell Schwartz, Carnegie Mellon University

Ben Raphael, Brown University

Big Data in Bioinformatics:

Mehmet Koyuturk, Case Western Reserve University

Ananth Kalyanaraman, Washington State University

Marco Masseroli, Politecnico di Milano

Clinical Databases and Information Systems:

Armin Mikler, University of North Texas

Amar J. Das, IBM

Lucia Sacchi, Universita' di Pavia

Highlights Track Chairs:

Mona Singh, Princeton University

Christopher Bailey-Kellogg, Dartmouth College

Terry Gaasterland, UCSD

Workshop Chairs:

Lydia Tapia, University of New Mexico
Jianlin Cheng, University of Missouri
Bhaskar Dasgupta, University of Illinois at Chicago

Tutorial Chair:
Filip Jagodzinski, Western Washington University
Dario Ghersi, University of Nebraska
Giuseppe Tradigo, University Magna Graecia of Catanzaro, Italy

Demo and Exhibit Chair:
Robert (Bob) Cottingham, Oak Ridge National Laboratory
Narayan Ganesan, Stevens Institute of Technology

Poster Chairs:
Dong Si, University of Washington Bothell
A. Ercument Cicek, Bilkent University
Noah Daniels, University of Rhode Island

Registration Chair:
Preetam Ghosh, Virginia Commonwealth University

Publicity Chairs
Rolf Backofen, University of Freiburg, Germany
Pierangelo Veltri, University Magna Graecia of Catanzaro, Italy
A. Ercument Cicek, Bilkent University, Turkey

Student Travel Award Chair:
May D. Wang, Georgia Institute of Technology and Emory University

Student Activity Chairs:
Shilpa Nadimpalli Kobren, Princeton University
Jisoo Park, Tufts University

Women in Bioinformatics (WiB) Chair:
May D. Wang, Georgia Institute of Technology and Emory University

Proceedings Chairs:
Xinghua Mindy Shi, University of North Carolina at Charlotte
Yang Shen, Texas A&M University
Benjamin Hescott, Tufts University

Web Admin:
Jonathan Kho, Georgia Institute of Technology

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