

Call for papers

The 5th international conference on Computational Systems-Biology and Bioinformatics 2014



www.csbio.org

General Chair

Kwoh Chee Keong,
Nanyang Technological University
Singapore

General Co-Chair

Jonathan H. Chan,
King Mongkut's University
of Technology Thonburi, Thailand

Program Chair

Li Xiaoli,
Institute for Infocomm Research, A*Star
Singapore

Program Co-Chairs

Zheng Jie,
Nanyang Technological University
Singapore
Chou Siaw Meng,
Nanyang Technological University
Singapore

Local Arrangements Chair

Qi Cao,
Nanyang Technological University
Singapore

Publicity Chair

Wu Min,
Institute for Infocomm Research, A*Star
Singapore

Secretary

Worrawat Engchuan,
King Mongkut's University
of Technology Thonburi, Thailand

Conference venue

Nanyang Executive Center, Singapore

Important dates

Paper submission deadline: **September 1, 2014**

Notification of acceptance: **October 1, 2014**

Conference dates: **November 10-12, 2014**

Organizers



Sponsors



Aims and scope

With rapid advance in the generation of high-throughput "omics" data (such as deep sequencing), life science has come to the era of "big data". To extract biological knowledge from the data, and translate it into benefits for society (e.g. better medicine and healthcare), novel computational tools are needed for data analysis and building models.

CSBio 2014 would like to invite researchers and industrial counterparts to meet at this event to exchange ideas and stimulate research collaborations.

Topics of interest include, but are not limited to:

- * **Biological network reconstruction and analysis**
- * **Modeling and simulation of biological processes, pathways, etc.**
- * **Next-generation sequencing**
- * **Gene expression analysis**
- * **Proteomics & other omics**
- * **Functional genomics**
- * **Epigenetics/epigenomics**
- * **DNA, RNA and protein sequence analysis**
- * **Bio-inspired computing**
- * **Adaptive computation in bioinformatics**
- * **Parallel and distributed computing for life science**
- * **Molecular evolution and phylogeny**
- * **Protein folding**
- * **Medical and biomedical informatics**
- * **Translational bioinformatics**
- * **Biomarker discovery**
- * **Bio-data visualization**
- * **Disease classification**
- * **Drug discovery and validation**

Publication

Authors have the following submission choices

1. Journal of Bioinformatics and Computational Biology (JBCB) or
2. Journal of Medical Imaging and Health Informatics (JMIHI)

(JBCB - <http://www.worldscientific.com/worldscinet/jbcb>)

The Journal of Bioinformatics and Computational Biology aims to publish high quality, original research articles, expository tutorial papers and review papers as well as short, critical comments on technical issues associated with the analysis of cellular information.

* JBCB is indexed in Biosis Previews, Biological Abstracts, Chemical Abstracts Service, CompuScience, DBLP Computer Science Bibliography, Emcare/Mosby Index, Index Medicus, INSPEC, MEDLINE, Science Citation Index Expanded and Scopus.

(JMIHI - <http://www.aspbs.com/jmihi/>)

Journal of Medical Imaging and Health Informatics (JMIHI) is a medium to disseminate novel experimental and theoretical research results in the field of biomedicine, biology, clinical, rehabilitation engineering, medical image processing, bio-computing, D2H2, and other health related areas.

* JMIHI is indexed in, Science Citation Index Expanded (SCIE/SciSearch®), Journal Citation Reports/Science Edition - Thomson Reuters, Scopus - Elsevier and Google Scholar.

Contact information

Please contact us at csbio2014@sit.kmutt.ac.th