

# CSBio 2010 : 1<sup>st</sup> International Conference on Computational Systems-Biology and Bioinformatics Bangkok, Thailand, November 4-5, 2010

**CSBio**  
**2010**  
Bangkok, Thailand  
<http://www.csbio.org>

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To commemorate the 15<sup>th</sup> anniversary of the School of Information Technology (SIT) and the 50<sup>th</sup> anniversary of the King Mongkut's University of Technology Thonburi (KMUTT), SIT is launching the 1<sup>st</sup> International Conference on Computational Systems-Biology and Bioinformatics (CSBio 2010). CSBio 2010 is a follow up from the successful Special Session on Computational Advances in Bioinformatics (CAB 2009) in the 16<sup>th</sup> International Conference on Neural Information Processing (ICONIP 2009).

CSBio will provide an annual forum for international researchers to exchange the latest ideas on advances in the interdisciplinary fields of computational systems biology and bioinformatics. CSBio is proposed to be hosted alternately by KMUTT and Nanyang Technological University (NTU) in Singapore.

## Important Dates

Regular paper submission deadline:

July 15, 2010

Notification of acceptance:

August 15, 2010

Camera-ready paper and early-bird registration:

August 27, 2010

Topics of interest include, but are not limited to:

- Modeling and simulation of biological processes, pathways, networks, and so on
- Mathematical and quantitative models of cellular and multicellular systems
- Synthetic biological systems
- Molecular evolution and phylogeny
- Functional genomics
- Proteomics
- Metabolomics and other omics
- DNA, RNA and protein sequence analysis
- Structural bioinformatics
- Gene expression analysis
- Biomarker discovery
- Disease classification
- Parallel and Grid computing
- Image and signal analysis
- Qualitative biological model
- Biological network reconstruction and analysis
- Biological databases
- Bio-ontology
- Bio-data visualization
- Medical and biomedical informatics
- Drug discovery and validation
- Discrete/stochastic modeling and language frameworks

## Paper Submission

The CSBio 2010 online submission system is opened at EasyChair (<http://www.easychair.org/conferences/?conf=csbio2010>).

Prospective authors are invited to submit original, high quality manuscripts of up to twelve (12) A4-pages electronically. The submission must conform to the Springer LNCS format (<http://www.springer.com/computer/lncs?SGWID=0-164-7-72376-0>). All accepted papers will be published in proceedings of CSBio 2010, preferably as a Springer LNBI volume. Extended version of selected papers will be invited for publication in special issues of international journals after the conference.

All submissions will be checked by VeriGuide/VeriConf for originality.

Journal versions of selected papers from the conference proceedings will be invited to the following journals:

Algorithms for Molecular Biology (BioMed Central)

Memetic Computing (Springer) - "Memetic Algorithms in Bioinformatics"

## Call for Proposals

Please see the Conference link at <http://www.csbio.org/callProposal.php>

## Collocated Conference

The 4<sup>th</sup> International Conference on Advances in Information Technology (IAIT 2010) will be collocated with The 1<sup>st</sup> International Conference on Computational Systems-Biology and Bioinformatics (CSBio 2010) in Bangkok, Thailand.

## Technical Co-sponsors



## Local Sponsors

