



CALL FOR PAPERS

IEEE Computational Systems Bioinformatics Conference

Stanford, CA • August 8-11, 2005



You are invited to submit papers to the 2005 IEEE Computational Systems Bioinformatics Conference (CSB2005). The conference's goal is to facilitate exchange of ideas and collaborations between computer scientists and biologists by presenting cutting-edge computational biology research findings. Such research has an interdisciplinary character. Computer science and mathematical modeling papers must contain a concise description of the biological problem being solved, and biology papers should show how computation or analysis affects the results. Topics of interest include (but are not limited to):

- Microarray Data Analysis
- MicroRNA and RNAi
- Pathways, Networks, Systems Biology
- Biomedical Applications
- Biological Data Visualization
- Protein Structures and Complexes
- Biological Data Mining
- Pattern Recognition
- Microbial Community Analysis
- Mathematical and Quantitative Models of Cellular and Multicellular Systems
- Synthetic Biological Systems
- Sequence Alignment
- Evolution and Phylogenetics
- Functional Genomics
- High Performance Bio-computing
- Comparative Genomics
- SNPs and Haplotyping
- Promoter Analysis and Discovery

Full papers are limited to 12 pages, single-spaced, in 12-point type, including title, abstract (250 words or less), figures, tables, text, and bibliography. The first page should give keywords, authors' postal and electronic mailing addresses. Papers must not have been previously published and must not be currently under consideration for publication elsewhere. Papers will be submitted electronically in MS Word, postscript or PDF format.

This year, the conference will also accept short papers, limited to four pages. These papers should describe new research activity in which a complete set of results may not yet be available. Full and short papers will have 25 and 15 minutes, respectively, of presentation time. Paper submissions can be made at the site <http://csbl.bmb.uga.edu/conference/CSB2005/webconf/>.

Medline indexes papers appearing in CSB Proceedings. A select subset of accepted papers will be invited to publish an extended version in the *Journal of Bioinformatics and Computational Biology*. The Best Paper will be selected by the program committee and announced at the awards ceremony.

Additional information will be posted on the CSB2005 website www.csbcon.org as it becomes available.

Important Dates:

- Submission deadline: March 20, 2005
- Paper acceptance decision: May 2, 2005
- Final revised draft due to publisher: May 22, 2005

Send e-mail queries to bioinformatics@computer.org.

Information about poster submission and tutorial proposals, will be posted at www.csbcon.org.

CSB2005 Program Committee Members

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