

Call for Papers

4th International Symposium on Bioinformatics Research and Applications

May 6-9, 2008

Department of Computer Science
Georgia State University
Atlanta, Georgia
<http://www.cs.gsu.edu/ISBRA>

The International Symposium on Bioinformatics Research and Applications (ISBRA) provides a forum for the exchange of ideas and results among researchers, developers, and practitioners working on all aspects of bioinformatics and computational biology and their applications. Authors are invited to submit papers that demonstrate original unpublished research in all areas of bioinformatics and computational biology, including the development of experimental or commercial systems. Surveys of important recent research results and directions are also welcome. Topics of interest include but are not limited to:

Biomedical databases and data integration
Biomedical image processing
Bio-ontologies
Comparative genomics
Computational genetic epidemiology
Computational proteomics
Data mining and visualization
Gene expression analysis
Genome analysis

High-performance bio-computing
Molecular evolution and phylogenetics
Molecular modeling and simulation
Pattern discovery and classification
Population genetics
RNA and protein structure prediction
Sequence assembly
Software tools and applications
Systems biology

ISBRA proceedings will be published in Springer-Verlag's Lecture Notes in Bioinformatics series. Papers must be submitted electronically by following the instructions at <http://www.easychair.org/ISBRA08>. Submissions must be formatted using the Springer LNCS style and must not exceed 12 pages in length. Simultaneous submission to journals or other conferences with published proceedings is not allowed. As in previous years, it is anticipated that a special issue of a major bioinformatics journal will be devoted to extended versions of best symposium papers.

Important Dates

Submission Deadline
December 21, 2007

Notification of Acceptance
January 25, 2008

Final Version Submission
February 15, 2008

General Chairs

Dan Gusfield (University of California, Davis)
Yi Pan (Georgia State University)

Program Chairs

Ion Mandoiu (University of Connecticut)
Raj Sunderraman (Georgia State University)
Alexander Zelikovsky (Georgia State University)