



Call for Papers

8th International Symposium on Bioinformatics Research and Applications

May 21-23, 2012, Dallas, Texas

<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. Submissions presenting original research are solicited in all areas of bioinformatics and computational biology, including the development of experimental or commercial systems. Topics of interest include but are not limited to:

- Biomedical databases and data integration
- Biomolecular imaging
- Bio-ontologies
- Comparative genomics
- Computational genetic epidemiology
- Computational proteomics
- Data mining and visualization
- Gene expression analysis
- Genome analysis
- High-performance bio-computing
- High-throughput sequencing data analysis
- Molecular evolution
- Molecular modeling and simulation
- Pattern discovery and classification
- Population genetics
- Software tools and applications
- Structural biology
- Systems biology

We seek two categories of submissions: *extended abstracts* of up to 12 pages in Springer LNCS format, and *short abstracts* of up to 4 pages. Both types of submissions must be made electronically by following the instructions at <http://www.easychair.org/conferences/?conf=isbra2012>. Submission implies willingness of at least one author to register and present at the symposium.

Accepted extended abstracts will be published prior to the symposium in Springer-Verlag's Lecture Notes in Bioinformatics series and presented orally at the symposium. Accepted short abstracts will be published online and on CD-ROM and selected for either oral or poster presentation. As in previous years, full versions of selected extended abstracts presented at the symposium will be invited to a peer-reviewed special issue of [IEEE/ACM Transactions on Computational Biology and Bioinformatics](#). The authors of remaining extended and short abstracts will be invited to submit full versions to a peer-reviewed volume to be published after the symposium in [BMC Bioinformatics](#).

KEY DATES

Submission deadline

Extended Abstracts (12 pages)

February 6, 2012

Short Abstracts (4 pages)

April 9, 2012

Notification of acceptance

March 5, 2012

April 16, 2012

Final version due

March 15, 2012

April 23, 2012

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