



Call for Tutorials

7th Annual International Computational Systems Bioinformatics Conference

CSB2008

August 25–29, 2008 • Stanford, California

The tutorials will be offered on **Tuesday, August 26, 2008** at Stanford University, CA

Abstracts for tutorials are due **Feb. 29, 2008 at midnight PT** (Pacific Time). Tutorial sessions are 2.5 hours either in the morning or the afternoon of August 25th. We invite submissions for tutorials relevant to bioinformatics, medical informatics and biocomputation. Due to the diverse backgrounds of tutorial attendees, topics spanning biomedicine, computer science and applied mathematics are appropriate. We encourage, but are not limited to, submissions in the following topics:

- New sequencing technologies such as high-throughput or single molecule sequencing
- Probabilistic models for integrative analysis
- Computational drug discovery for screening bioactive compounds, predicting mode-of-action pathways, and rational drug design
- Genomics-enabled personalized medicine
- Computational prediction of functional elements in the genome such as microRNAs, piRNAs, enhancers, promoters, and repetitive elements
- Data-rich single cell based and nanoscale analysis and/or visualization of cellular/molecular systems
- Comparative genomics
- Genome alterations and polymorphisms
- Transcription regulation, alternative splicing and epigenetics
- Biomolecular analysis, structure and function prediction
- Biomolecular modeling including cellular, organ/tissue simulations
- Synthetic biology
- Visualization and analysis of biological networks and pathways
- Systems biology, microarrays and functional genomics; proteomics
- FRET, gene therapy and other biological methodologies
- Structural genomics
- Biomedical imaging
- Computer security for patient privacy
- Controlled vocabularies and ontologies
- Translational approaches bringing bioinformatics to medicine
- Clinical systems for decision support

Proposals should contain the following information:

- Tutorial title
- Expected goals and objectives for your presentation
- Detailed outline of the presentation
- Abstract
- Intended audience: Indicate level with respect to biomedicine, computer science, statistics, programming, etc.
- Cite relevant qualifications and teaching experience

All submissions will be evaluated by a committee, which will consider the following criteria in the selection process:

- Relevance, interest, and value of the topic to attendees
- Expertise and experience of the presenters in the proposed topic
- Presentation quality

The tutors agree to provide participants with access to materials including:

- Copies of the slides
- Copies of supplementary information

Tutorial Taping

At the discretion of the conference organizing committee, the tutorials may be recorded. The recorded video presentations may be offered to conference attendees and others through media such as CD's, DVD's or streaming media. Generally, lecture slides and supplementary information will be distributed with the recorded presentation.

Proposal Submission:

Submit your proposal online at <http://www.lifesciencesociety.org/csb2008/tutoform.html>.

General Information

Questions about the tutorials should be addressed to Josh Stuart at jstuart@ucsc.edu.

For more information about the conference, visit the CSB2008 website at www.csb2008.org.

Tutorials Committee

Josh Stuart, *UC Santa Cruz*, Chair

Ting Wang, *UC Santa Cruz*, Co-Chair

Jing Zhu, *UC Santa Cruz*, Co-Chair