

# The First q-bio Conference on Cellular Information Processing

August 8-11, 2007 | Santa Fe, New Mexico, USA

<http://cnls.lanl.gov/q-bio>  
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## First q-bio Conference on Cellular Information Processing

This conference is intended to advance predictive modeling of signal transduction and genetic regulatory systems. The emphasis is on modeling and quantitative experimentation for the purposes of understanding and predicting the behavior of particular regulatory systems and of elucidating general principles underlying cellular information processing.

The single-track program will include invited talks from leading experimental and theoretical researchers as well as shorter talks, poster presentations, and software demonstrations selected from contributed submissions. The program includes two banquets, six sessions covering a range of topics, and two extended evening poster sessions.

There will be an opportunity for selected participants to submit papers elaborating on presentations made at the conference to a special issue of *IET Systems Biology*, a journal indexed by ISI and PubMed.

Lodging is available for participants on the campus of St. John's College, which should facilitate interactions and stimulating informal discussions about quantitative biology. Space is available for 200 participants. In the event that registration demand exceeds capacity, preference will be given to individuals selected to present contributed talks or posters. Abstracts should be submitted for review via the conference web site.

## First q-bio Summer School on Cellular Information Processing

This school is designed for researchers new to modeling cellular regulatory systems. It will take place in Los Alamos from July 23 to August 7. Participants will attend daily lectures about signal transduction, gene regulation and stochastic effects in biochemical networks and work in small teams on selected research projects. Tuition includes conference registration.

## Deadlines:

Abstract submission	April 15, 2007
Summer School registration	April 15, 2007
Early registration	June 1, 2007

*\*Travel awards for graduate students and postdocs may be available.  
More information and applications are available on the conference website.*

**Organizing Committee:** Jeremy S. Edwards (University of New Mexico); James R. Faeder, William S. Hlavacek, Yi Jiang, Ilya Nemenman, and Michael E. Wall (Los Alamos National Laboratory).

**Advisory Committee:** William Bialek (Princeton University); Byron Goldstein, John E. Pearson, William H. Press, David H. Sharp, and Pat J. Unkefer (Los Alamos National Lab); Michael A. Savageau (University of California, Davis)



## Speakers Include:

- Adam P. Arkin**  
Lawrence Berkeley National Laboratory
- William Bialek**  
Princeton University
- Blagoy Blagojev**  
University of Southern Denmark
- Naama Brenner**  
Technion-Israel Institute of Technology
- Roger Brent**  
Molecular Sciences Institute
- Arup K. Chakraborty**  
Massachusetts Institute of Technology
- Philippe Cluzel**  
University of Chicago
- Eric H. Davidson**  
California Institute of Technology
- John Doyle**  
California Institute of Technology
- Drew Endy**  
Massachusetts Institute of Technology
- Nina V. Fedoroff**  
The Pennsylvania State University
- James R. Faeder**  
Los Alamos National Laboratory
- Mark Goulian**  
University of Pennsylvania
- Jeff Hasty**  
University of California, San Diego
- Jason M. Haugh**  
North Carolina State University
- Alexander Hoffmann**  
University of California, San Diego
- Ravi Iyengar**  
Mount Sinai School of Medicine
- Boris N. Kholodenko**  
Thomas Jefferson University
- Andre Levchenko**  
Johns Hopkins University
- Wendell A. Lim**  
University of California, San Francisco
- Rune Linding**  
Samuel Lunenfeld Research Institute
- John W. Little**  
University of Arizona
- Leslie M. Loew**  
University of Connecticut Health Center
- Bernhard Ø. Palsson**  
University of California, San Diego
- Johan Paulsson**  
Harvard Medical School
- John Reinitz**  
Stony Brook University
- Michael A. Savageau**  
University of California, Davis
- Anirvan M. Sengupta**  
Rutgers
- Yuhai Tu**  
IBM T.J. Watson Research Center
- Alexander van Oudenaarden**  
Massachusetts Institute of Technology
- Jose M. G. Vilar**  
Sloan-Kettering Institute
- H. Steven Wiley**  
Pacific Northwest National Laboratory
- Bridget S. Wilson**  
University of New Mexico
- X. Sunney Xie**  
Harvard University

Images are of St. John's College, the conference location