The Eighth Annual q-bio Conference

August 13 -16, 2014 | Santa Fe, New Mexico, USA

https://newmexicoconsortium.org/conferences/q-bio
q-bio@newmexicoconsortium.org

Conference

The q-bio Conference is an annual event intended to advance predictive modeling of cellular regulation. The q-bio community emphasizes the integration of modeling and quantitative experimentation to understand and predict behaviors of specific cell regulatory systems, to interpret manifestations of complex biological phenomena, and to elucidate general principles of cellular information processing. The single-track q-bio program will include invited talks from leading experimental and theoretical researchers as well as contributed talks, poster presentations, and tutorials selected from abstract submissions. The program includes two banquets, multiple sessions covering a range of topics, and two extended evening poster sessions. Lodging is available for participants at the conference venue, facilitating interactions and stimulating informal discussions of quantitative biology. Space is available for approximately 200 participants. If registration demand exceeds capacity, preference will be given to individuals selected to make presentations at the meeting.

Tutorials

Several invited and contributed tutorials will take place on August 13. These tutorials provide an ideal means for members to introduce the q-bio community to promising new analyses, software or quantitative experiments. To request time and a room to present a tutorial please send your request to: q-bio@newmexicoconsortium.org

Summer School

The eighth annual q-bio Summer School begins on July 28 2014, immediately preceding the q-bio conference. The q-bio Summer School is intended to advance the field of quantitative biology while also advancing the careers of junior scientists in the q-bio community. The program covers a broad survey of work and recent results in quantitative biology. Student also enroll for in depth instruction, hands-on experience, and mentored project work in computational/experimental techniques in one of eight courses: 1) cell signaling, 2) single-cell gene regulation, 3) biomolecular simulations, 4) cancer dynamics, 5) membrane biology, 6) computational synthetic biology, and 8) experimental synthetic biology. Courses 1-5 are offered on the Albuquerque campus and courses 6-7 are offered on the San Diego campus.

Deadlines

q-bio Summer School Applications: March 7 , 2014
Abstract Submission for q-bio Conference: March 10, 2014
Early registration for q-bio Conference: April 15 - June 1, 2014

Travel awards for graduate students and postdocs are available.
More information and applications are available on the conference web site.

Local Organizers

William S. Hlavacek (New Mexico Consortium - Chair), S. Gnanakaran, (New Mexico Consortium), Brian Munsky (Colorado State University & New Mexico Consortium), Monica Wu (New Mexico Consortium - Conference Coordinator)

Program Committee

James R. Faeder; Chair (University of Pittsburgh School of Medicine), Gnana S. Gnanakaran, (New Mexico Consortium), William S. Hlavacek (New Mexico Consortium), Yi Jiang (Georgia State University), Andre Levchenko (Johns Hopkins University), Brian Munsky (Colorado State University & New Mexico Consortium), Ilya Nemenman (Emory University), Orna Resnekov (Molecular Sciences Institute), Thomas S. Shimizu (FOM Institute for Atomic and Molecular Physics), Lev Tsimring (University of California, San Diego), Aleksandra Walczak (École Normale Supérieure), Michael E. Wall (Los Alamos National Laboratory), Bridget Wilson (University of New Mexico). Antone Zilman, (University of Toronto)

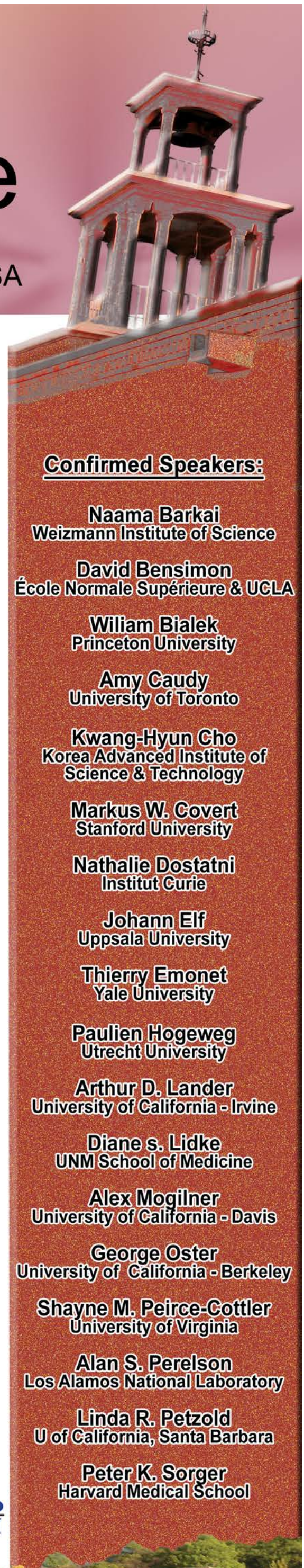
BCI IS&T Center

SDCSB

STMC SpatioTemporal Modeling Center

Center for Nonlinear Studies

New Mexico CONSORTIUM



Confirmed Speakers:

Naama Barkai
Weizmann Institute of Science

David Bensimon
École Normale Supérieure & UCLA

Wiliam Bialek
Princeton University

Amy Caudy
University of Toronto

Kwang-Hyun Cho
Korea Advanced Institute of Science & Technology

Markus W. Covert
Stanford University

Nathalie Dostatni
Institut Curie

Johann Elf
Uppsala University

Thierry Emonet
Yale University

Paulien Hogeweg
Utrecht University

Arthur D. Lander
University of California - Irvine

Diane s. Lidke
UNM School of Medicine

Alex Mogilner
University of California - Davis

George Oster
University of California - Berkeley

Shayne M. Peirce-Cottler
University of Virginia

Alan S. Perelson
Los Alamos National Laboratory

Linda R. Petzold
U of California, Santa Barbara

Peter K. Sorger
Harvard Medical School