

The 2017 q-bio Summer School

Fort Collins, Colorado, USA

The **Eleventh Annual q-bio Summer School** will be held June 4-20, 2017 at the Colorado State University in Fort Collins, Colorado, USA.

To apply now, please visit the application website:

https://www.surveymonkey.com/r/qbSS17_Application

Applications are due February 1, 2017. **Scholarships are available.**

School Overview: The q-bio Summer School is an annual event intended to advance predictive modeling of cellular regulatory systems by exposing participants to a survey of work in quantitative biology and by providing in-depth instruction in selected techniques, with an emphasis on techniques useful for modeling cellular regulatory networks. Certain data analysis techniques and experimental methods will also be covered.

Lectures, tutorials and projects will focus will be on different aspects of systems biology (see topics below and the school wiki for more information). Students will each work on a mentored project. Participants will attend daily core lectures, project-specific lectures, journal clubs, and computer labs. The summer school is designed for graduate students, postdocs, or anyone with a quantitative background who is new to modeling cellular regulatory systems/networks.

At the school students will attend 20-25 hours of core lectures, 20-25 hours of course-specific lectures, 10-15 hours of computational and experimental labs, 10-15 hours of student presentations, and daily expert panel discussions on issues related to careers in quantitative biology. There will also be 20-30 hours of mentored project work, which may include some simple experiments, theoretical developments and/or real data analyses.

The main topics of the 2016 summer school are:

Cell Signaling, Cancer Dynamics, Single-Cell Gene Regulation and Computational Synthetic Biology.

Organizers:

Rosemary Braun (*Northwestern University*), William S. Hlavacek (*Los Alamos National Laboratory*), Marek Kimmel (*Rice University*), Diego Krapf (*CSU*), Brian Munsky (*CSU*), Ashok Prasad (*CSU*), Douglas Shepherd (*University of Colorado, Denver*), Patrick Shipman (*CSU*), Sabrina Spencer (*University of Colorado, Boulder*), Tim Stasevich (*CSU*), Lev S. Tsimring (*University of California, San Diego*).

For inquiries about the summer school, please contact:

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For more information, please visit the school wiki at:

<http://q-bio.org/wiki/2017qbSS>