SPEAKERS

James B. Bassingthwaighte, M.D., Ph.D.
Keynote Speech: "The Eternal Cell"
A professor in the Bioengineering Department at the University of Washington, Dr. Bassingthwaighte is the originator of the "Human Physiome Project, a large-scale international program for developing data-basing and biological systems modeling for understanding genomic and pharmaceutic effects on human physiology. Other work includes the Cardiome Project, which deals with defining a functional heart in mathematical terms."
(http://depts.washington.edu/bioe/people/bassingthwaighte.shtml)

Kam D. Dahlquist, Ph.D.
Dr. Dahlquist is a professor in Vassar College's Biology Department. She will present on the GenMAPP software, a tool for viewing and analyzing microarray data in terms of up- and down-regulation of biochemical pathways. She led development of GenMAPP when she was a postdoctoral fellow at the Gladstone Institute of Cardiovascular Disease in San Francisco.
(http://biology.vassar.edu/dahlquist.html)

Ivan Ovcharenko, Ph.D.
Dr. Ovcharenko, a Bioinformatics Scientist at the Lawrence Livermore National Laboratory in California, specializes in comparative genomics. He is the developer of three major software packages for post-genomic bioinformatics: CRÈME, zPicture, and eShadow. He will give a general overview of comparative genomics, demonstrate tools for genome data mining, and help participants develop strategies for characterizing noncoding elements of vertebrate genomes.
(http://www.dcode.org/~ovcharen/)

NCBI (The National Center for Biotechnology Information of the U.S. National Library of Medicine in Bethesda, Maryland) will be offering a workshop on new tools that they have available for public use in computational molecular biology and bioinformatics.

In addition to these leaders in systems biology, other speakers will focus on education per se. BioQUEST Curriculum Consortium staff will lead workshops in network analysis across biological levels (from molecular to ecological), systems ecology simulations (odum tradition across scales), and fragmented ecosystem analysis from a biocomplexity perspective.
Join the BioQUEST Curriculum Consortium at our 2004 Summer Workshop June 12 - 20

The goal of this BioQUEST Curriculum Consortium Workshop is to develop both curricula and curricular materials for the full spectrum of systems biology education.

• Explore systems biology at the molecular, cellular, physiological, organismal, and ecological levels.

• Create learning opportunities for:
  - visualization
  - modeling
  - simulation
  - data mining
  - collaboration
  - communication

• Connect more deeply with learners.

• Bridge social, intellectual, national barriers.

• Foster cross-disciplinary linkages.

WHEN: June 12 - 20, 2004

WHERE: Beloit College, Beloit, WI (Located 1.5 hours by convenient bus service from Chicago's O'Hare Airport)

COST: Tuition, course materials, private campus rooms, and all meals will be provided. Participants are responsible for their own transportation costs. This workshop is funded through grants from the Howard Hughes Medical Institute and the National Science Foundation.


To apply to the BioQUEST Systems Biology Workshop, visit our web site: http://bioquest.org/summer2004.html. Please submit your application online before March 1 to guarantee consideration, or contact us directly at:

BioQUEST Curriculum Consortium
Beloit College
700 College Street
Beloit, WI 53511
bioquest@beloit.edu
(608) 363-2743

* Applications received after February 15 will be considered on a space available basis.