

BioQUEST Summer Workshop 2003

Collaboratories, Digital Libraries, and Computational Biology Education

Speakers include:



Alan Kay is well known for the idea of personal computing, the conception of the intimate laptop computer, inventor of the now ubiquitous overlapping-window interface and modern object-oriented programming, and developer of the smalltalk programming language. These ideas and innovations were triggered by his deep interest in education and children. (www.squeakland.org)

Jim Myers is the Chief Scientist who leads the Collaboratory Development Group at Pacific Northwest National Laboratory in Washington state. He is a Principal Investigator several projects aimed at realizing the potential of the collaboratory approach for research and education. His work reflects the premise that research and education must and can be deeply linked. (<http://collaboratory.emsl.pnl.gov>)

Celeste Carter is an NSF Program Director for the Division of Undergraduate Education. She is PI of the NSF funded project *Cases in Industry Practice in Biotechnology* (ATE Program) and a leader in NSF's National Science Digital Library (NSDL) program. (<http://www.ehr.nsf.gov/ehr/du/programs/nsdl/>)

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BioQUEST Summer Workshop 2003



Enabling Exploration for Everyone, Everytime, Everywhere: Collaboratories, Digital Libraries, and Computational Biology Education

Beloit College
Beloit, Wisconsin
May 31-June 3

Join the BioQUEST Curriculum Consortium workshop, May 31–June 3, 2003



How can we create new learning opportunities for:

- ◆ collaboration,
- ◆ communication,
- ◆ computation,
- ◆ modeling,
- ◆ simulation,
- ◆ visualization, and
- ◆ data mining?

How can we take educational advantage of these opportunities to help us:

- ◆ connect more deeply with learners
- ◆ bridge social, intellectual, national, and cultural barriers
- ◆ address goals of broad access and equity
- ◆ foster cross-disciplinary linkages?



The Howard Hughes
Medical Institute



Enabling Exploration for Everyone, Everytime, Everywhere: Collaboratories, Digital Libraries, and Computational Biology Education

The goal of this BioQUEST Curriculum Consortium Workshop is to develop agendas, strategies and white papers for using collaboratories, digital libraries and massively interconnected computational environments to enhance student learning.

When: May 31–June 3, 2003

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. This workshop is funded through a grant from the Howard Hughes Medical Institute.

*The best way to predict the future
is to invent it.*

**Alan Kay,
a pioneer in modern computer science**

To apply to the BioQUEST Summer Workshop, please address the following questions by February 15* in a letter or email to:

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

1. Please share any specific knowledge or resources that you can bring to this workshop which might be useful to other participants.
2. Have you participated in curriculum reform efforts? If so, in what way?
3. How have you used collaboratories, digital libraries, modeling, simulation or other technological tools in your teaching?

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



For more information and workshop updates:
<http://bioquest.org/summer2003.html>