QB II Where Next?

QUANTITATIVE BIOLOGY: CURRICULUM AND INSTITUTIONAL TRANSFORMATION AT THE MATH/BIOLOGY INTERFACE mini-grant goals

- Form a consortium of institutions to explore how to implement various aspects of Quantitative Biology
- Establish a steering committee to plan the summer institutes and coordinate the consortium
- Convene institutes 2007 and 2008
- Assemble the results of the summer institutes into white papers
- Develop materials that are required for this effort
- Establish a repository white papers, materials, datasets
- Develop a continuing schedule of regional summer institutes

Why we're here!

- we have recognized the importance of quantitative biology in the undergraduate curriculum
- we want to identify and share best practices and resources
- we want to work together to create new materials
- establish a community of educators who will continue advancing this effort for many years to come
- properly done, quantitative methods must be part of the first biology courses an undergrad takes (and biological concepts in early mathematical courses, too)

Two Challenges for biologists and mathematicians

Deluge of data

Working together,
Working apart

Next steps

- Complete the review of biomathematics resource availability and recommendations for implementation
- Make available sample modules with annotation and implementation guidelines for consortium review and evaluation
- Identify within the consortium resource personnel to assist faculty who are implementing new modules/materials
- Survey the biology and mathematics community to identify areas for future development

YOUR ideas?

Post meeting followup

- Survey and reflection
- Please send ppt or pdf of posters and talks to pat oe post yourself to the wiki
- http://wikifuse.pbwiki.com/

Taking over the biomath curriculum

- One INTEGRATED course at a time?

Thanks!