Supplementary Material for Computational Thinking in Biology for All Students Session at NABT November 2009

Some Freely Available Resources:

- Biology-in-a-Box ([http://eeb.bio.utk.edu/biologyinbox/](http://eeb.bio.utk.edu/biologyinbox/)) On-line instructional materials to accompany boxes containing many hands-on activities for high-school biology tied into standards for both biology and mathematics.

- BioQUEST ([http://bioquest.org/](http://bioquest.org/)) Large collection of resources on simulations in many areas of biology, including the BioQUEST Library Online, a peer-reviewed community publication of software simulations, tools, and datasets, and Biological ESTEEM (Excel Simulations and Tools for Exploratory, Experiential Mathematics), a collection of freely downloadable modules in many areas of biology.


- iPlant Collaborative ([http://iplantcollaborative.org/communities/educators](http://iplantcollaborative.org/communities/educators)) Modules that integrate mathematics into high school biology and biology into mathematics and distributed research projects for precollege and higher education levels.

- General Biology Modules ([http://www.tiem.utk.edu/~gross/bioed/modulelist.html](http://www.tiem.utk.edu/~gross/bioed/modulelist.html)) Modules for many sections of General Biology courses to illustrate new insight from high school level math.

- Netlogo ([http://ccl.northwestern.edu/netlogo/](http://ccl.northwestern.edu/netlogo/)) Collection of easily used simulation models for many problems in biology, chemistry, physics, etc. all using agent-based approaches. Able to run in a browser, but also available for download and the code to be modified.


Reports on Quantitative Biology Education:


