QUBES
The Power of Biology × Math × Community

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Did You Know?

Featured Partner

NIMBioS
National Institute for Mathematical and Biological Synthesis

NIMBioS has been a partner of QUBES since the early days and we are happy to have them sharing their activities and news with us.

Learn more...

QUBES Partners

Current Faculty Mentoring Network

ECOLOGICAL SOCIETY OF AMERICA
esa

Scaling Up: Bringing Research Data into Undergraduate Classrooms.

Faculty will implement selected Teaching Issues in Ecology & Evolution (TIEE) modules in their introductory biology or ecology courses, with a focus on providing students with the quantitative skillset needed to 'scale up' to large ecological datasets.

Learn more...

Faculty Mentoring Networks

January 2016 Newsletter

QUBES Leadership Team at the QUBES Mentoring Workshop held at the Eighth International Symposium on BEER, Illinois State University, Normal, IL. Learn more...

Hub News

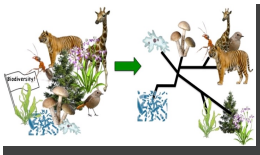
The content management system (HubZero) that runs QUBES Hub just got an upgrade! Some new features include:

hubzero 2.0

1. Group forum email digest
2. Group files area
3. Ability to import citations from BibTeX or EndNote format

Learn more...

Featured Collection



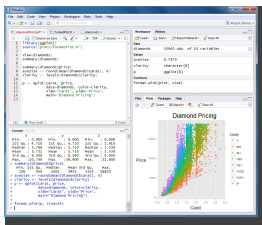
Transforming the "parade of phyla" into an integrated curriculum

Collection 1 of 3 consisting of a set of resources, tools, and assessments under the broad theme of mechanisms of evolution.

Browse Collection

Tree of Life Project

Featured Software



RStudio is a GUI for R, the statistical programming language.

Run RStudio

Browse software

Journal Club

As part of a NIMBioS Working Group on teaching quantitative biology, some of us on the QUBES Team are participating in a journal club - and you're invited to join us! We have been exploring papers on mathematical modeling in the life sciences and the challenges of incorporating modeling into an undergraduate biology curriculum. Some example papers include:

- Svoboda & Passmore (2013), *The Strategies of Modeling in Biology Education*, Science & Education, 22, 1: pg: 119-142, (DOI: 10.1007/s11191-011-9425-5).
- Schwarz et al (2009), *Developing a learning progression for scientific modeling: Making scientific modeling accessible and meaningful for learners*, Journal of Research in Science Teaching, 46, 6: pg: 632-654, (DOI: 10.1002/tea.20311).
- Jungck et al (2010), *Mathematical Manipulative Models: In Defense of "Beanbag Biology"*, CBE Life Sciences Education, 9, 3: pg: 201-211, (DOI: 10.1187/cbe.10-03-0040).

Click here for a full list. If you would like to get involved, check out our community workspace on the Hub here, which includes instruction on how to participate (for example, get notified of new articles by following our blog).

QUBES Near You

- January 6-9, 2016: QUBES was at the Joint Mathematics Meetings in Seattle (Attended by Carrie Diaz Eaton).
- January 14-15, 2016: We helped organize the RCN-UBE summit in January at AAAS, where all of the RCN-UBEs were invited to share their work and create new collaborations (Attended by Carrie Diaz Eaton and DB Poli).
- January 6-8, 2016: We also had a presence at a workshop in Phoenix sponsored by the Genomics Education National Initiative (GENI) and the Microbial Genome Annotation Network (MGAN) to promote and provide training in the use of the online bioinformatics platform called GENI-ACT. (Attended by Bob Sheehy)

It takes a whole team to bring you QUBES!

Did You Know?

Did you know there are many ways to share files with people on the Hub? Check out the following Knowledge Base article to learn more!

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