

**Subject:** 2016 National Academies Special Topics Summer Institute on Quantitative Biology

2016 National Academies Special Topics Summer Institute on Quantitative Biology Lowering the Activation Energy: Making Quantitative Biology More Accessible June 19-24, 2016 North Carolina State University, Raleigh

Biology requires a rapidly expanding set of quantitative skills including data analysis, statistics, modeling, computational reasoning, and visualization. If you are interested in developing your biology students' quantitative skills, this is the summer workshop for you!

In partnership with the National Academies Summer Institutes, the Quantitative Biology Summer Institute (QB SI) is presented by BioQUEST, Science Case Net and QUBES. This will be a working meeting during which participants will learn about and use evidence-based teaching strategies such as backward design, active learning, and assessment, as well as methods such as cases and modeling. Hands on sessions at the institute will focus on resources and methods to address the special challenges associated with teaching quantitative biology. The workshop is developed by BioQUEST, which celebrates 30 years of leadership in biology education reform in 2016, and Science Case Network, which brings expertise on using case based pedagogies.

The QUBES project will support ongoing collaborations among participants.

We invite applications from individuals and teams at two and four year institutions. Participants from all STEM fields are welcome. As indicated on the application, participants are expected to work collaboratively after the meeting and implement a module or method in their classes during the 2016-2017 academic year. More information and the application for the Quantitative Biology Summer Institute are available at:

<https://qubeshub.org/groups/summer2016>

Review of applications will begin March 28 and applicants will be notified regarding their status of their application by April 4.

Please contact the organizers with any questions:

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