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## Save the date!



Save the date for the 2019 QUBES/BioQUEST Summer Workshop.

Evolution of Data in the Classroom: From Data to Data Science.

July 14-19, 2019  
College of William & Mary  
Williamsburg, VA

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5th Life Discovery – Doing Science Biology Education Conference



**Microbiomes to Ecosystems:**  
Evolution and Biodiversity across Scale, Space and Time

March 21-23, 2019 Gainesville, Florida

## Attend the 5th Life Discovery - Doing Science Education Conference

### 5th Life Discovery - Doing Science Education Conference

### Microbiomes to Ecosystems: Evolution and Biodiversity across Scale, Space, and Time

March 21-23, 2019

Gainesville, Florida

Early Bird Registration ends February 15.

Education Share Fair – CALL FOR PROPOSALS open

TRAVEL AWARDS AVAILABLE. Apply by Jan. 31!

[www.esa.org/ldc](http://www.esa.org/ldc)

Our knowledge about the Earth's biodiversity across space, time, and scale is expanding rapidly. How do we teach students about biodiversity at different scales and contexts with new data, tools, and resources coming online?

Receive fresh ideas at the 5th Life Discovery – Doing Science Education conference with its unique format:

- Three keynote speakers: Lisa White, UC Berkeley; Rob Guralnick, University of Florida; and Jennifer Doherty, University of Washington
- Two facilitated Networking Sessions
- Education Share Fair – CALL FOR PROPOSALS open
- More than 30 presentations and workshops
- Three fieldtrips to explore Gainesville's unique habitats and natural history
- Limited travel awards available to broaden participation at the conference! Apply by Jan. 31!



## Connect with Biology Educators

American Society for Microbiology Conference for Undergraduate Educators ([ASMCUE](#)) introduces attendees to innovative classroom and lab strategies. Join us in Tysons, VA, August 1-4, 2019 and hear the latest trends in biology education while connecting with dedicated educators.

[Shape the program](#) and submit a session proposal, poster, or microbrew. The first deadline is February 15.



AMERICAN  
SOCIETY FOR  
MICROBIOLOGY

## Join ASM Online in 2019

Dive into professional development anywhere with ASM courses.

- Get pointers from experienced ASM authors and reviewers by joining the [Scientific Writing and Publishing Online Course](#). Use the motivation to submit your manuscript to ASM journals. First webinar is February 7.
- Join a community of educators and spruce up your application for a science teaching position through the [Best Practices in Curriculum Design, Teaching and Assessment Online Course](#). First webinar is January 30
- Learn about a new six-part course series – [Strategies for Teaching Undergraduate Biology](#). The series introduces practices that participants can readily embed into their labs or classrooms. First webinar is February 12.



HITS

High-throughput Discovery  
Science & Inquiry-based Case  
Studies for Today's Students

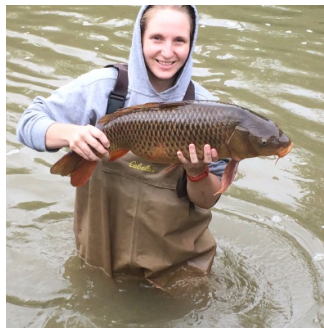
## HITS 2019 Summer workshops at Elon! Save the date: June 10-12!

High-throughput Discovery Science & Inquiry-based Case Studies for Today's Students (HITS) is an NSF RCN-UBE that seeks to improve student quantitative skills and participation in high-throughput discovery. HITS is excited to announce that the next **HITS 2019 summer workshop** will be hosted by **Elon University** on **June 10-12th**.

We are still taking applications for grad students and postdocs developing and using high-throughput (HT) approaches. HT Fellows will share their research and explain their approaches at the workshop. The application can be found here:

[https://qubeshub.org/community/groups/hits/get\\_involved](https://qubeshub.org/community/groups/hits/get_involved).

Please share the opportunity with your students and colleagues!



## Team QUBES bids farewell to QUBES Postdoctoral Researcher, Nicole Chodkowski

The QUBES team would like to thank former QUBES Postdoctoral Researcher [Nicole Chodkowski](#) for her hard work and dedication to the QUBES mission over the last year and a half. Nicole is an aquatic ecologist with a passion for developing engaging curricular materials and research-based experiences with a quantitative biology focus. Among her many accomplishments at QUBES, she has been instrumental in the planning, facilitation, and evaluation of QUBES [Faculty Mentoring Networks \(FMNs\)](#). Team QUBES wholeheartedly wishes her the best as she transitions to a new position at Cornell University this semester, where she has been hired as an Active Learning Initiative (ALI) postdoc. As an ALI postdoc, Nicole will be working to transition herpetology, entomology, and plant evolution courses from a traditional lecture format to active learning classrooms by creating modules that give students both conceptual and practical skills in overarching topics like phylogeny and evolution, biogeography, and diversity using specific examples relevant to each course.

We will miss you Nicole! We can't wait to hear about all your exciting new projects. — The QUBES Team



Resource of the Week

### ROW Recap

Each week in we feature an outstanding educational resource that is freely available on QUBES. All resources featured in the [Resource of the Week \(ROW\)](#) have been plucked from the large and growing collection of open education resources (OER) that are freely available on QUBES. Most resources have open licenses, allowing you to easily find, use, and adapt the materials. Each ROW includes a brief description of the education resource along with related materials and opportunities that might be of interest to faculty.

In this ROW Recap, we've rounded up the last 4 resources featured in the ROW since our last newsletter. Browse the titles below and click on the images to visit the resource featured in the ROW.

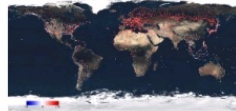
[Subscribe to the ROW.](#) You do not need a QUBES account to subscribe!

[Browse all past ROWs.](#)

[Browse the entire OER Collection.](#)

**Statistical Exploration of Climate Data  
(Version 1.0)**

By Tamra Carpenter, Jon Kettenring, and Robert Vanderbei



**Leaf cutter ant foraging (Version 1.0)**

By Jeremy M Wojdak, Justin Touchon, and Myra Hughey



**Genome Solver - Complete Set of Lessons**

By Anne Rosenwald, Gaurav Arora, and Vinayak Mathur



**The Biology of Climate Change: The effects  
of a changing climate on migrating and over-  
wintering species at a high-elevation field  
station (Version 1.0)**

By Carrie Wu and Amy Ellwein



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BioQUEST/QUBES Newsletter: Issue 13