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## Community Spotlight:

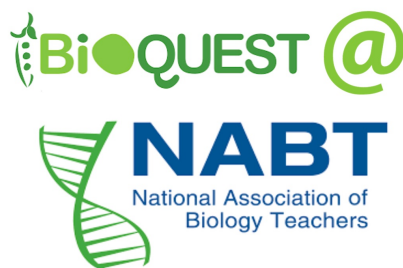


*Adronisha Frazier just successfully defended her dissertation on October 18, 2023. Her dissertation was a mixed methods study that explored community college students' experiences with open educational resources (OERs) in biology courses. Her research interests also include exploring faculty experiences with selecting and implementing OERs in microbiology, integrating STEM skills in the classroom, working with underrepresented groups in STEM, and utilizing learning analytics to inform course design. Congratulations Adronisha!*



## Fall Greetings BioQUESTer's: Celebrate BioQUEST Through The Years!

Adorn yourself with the BioQUEST summer workshop logos from past to present. Our classic workshop logo is surrounded by our more recent logos of summer workshops from 2016 to today! Your purchase will help ensure that we can continue to serve our community on our quest for Evolution and Revolution in STEM Ed Reform!! Visit our new [Bonfire store](#) to find all sorts of great BQ accessories!



## BioQUEST @ NABT This Week!

Come see us! Meet with the BioQUEST community on Thurs at 5:30 PM, directly following the General Session. We will be outside Grand Ballroom V&VI- find the folx with BioQUEST shirts on! We look forward to seeing you there!

## More BQ-Related Activities @ NABT

### Workshops

- QB@CC Biological and Mathematical Methods to Assess Biodiversity: Fri Nov 3 @ 10:30 AM.
- Lessons from QB@CC: Overcoming barriers to implementing Open Education Resources: Sat Nov 4 @ 9:00 AM.

### Posters

- ISTP Poster: Sat Nov 4 @ 8:15 AM.

### Presentations

- IGELS: Introducing the LifeSkills Guide for

Undergraduate Faculty: Thurs Nov 2 @ 11:30 AM.

- Fostering Figuring and Fascination: Fri Nov 3 @ 2pm.
- The BioGraphl Curriculum: Valuing Diverse Identities and Fostering Data Literacy in Biology: Fri Nov 3 @ 10:30 AM.

Visit the [2024 program](#) for more information!

*P.S. If you're coming across this newsletter on the QUBES website or on social media, you can [subscribe here](#) to keep in touch!*

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*In this newsletter:*

## BioQUEST News

- [QUBES Corner](#)
- [QB@CC](#)
  - Webinar Now Available
  - QB@CC 2024 Opportunities
  - Community College Faculty funding for AMATYC through QB@CC

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## Partner Corner: News & Opportunities

- [Community College Survey](#)
- [SABER East Conference](#)
- [BASIL Workshops on Assessing Student Learning of Biochemistry CURES](#)
- [The Human Anatomy and Physiology Society \(HAPS\) Book Club](#)

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## Save the Date!

BioQUEST is hosting our next **Partner Summit Feb 22, 2024.**

This event is pitched to current and/or potential partners but all are welcome!

Stay tuned for more information.

If you would like to share an event with us, reach out to [Molly Phillips](#)

## QUBES Corner

**10 open educational resources** were published to the QUBES Library in September with **2,816** resources in total. [Browse the new resources here.](#)

- **Featured Resources**

- [Exploring the City of Biofilms: An Engaging Analogy-Based Activity for Students to Learn Biofilms \(CourseSource\)](#)

*This comprehensive and engaging lab lesson plan is designed for students to explore the concepts of biofilm lifestyle and compare biofilms to cities using a think-group-share strategy. Students are asked to individually define biofilms and relate them to living in a city, followed by forming small groups, and then discussing them as an entire class.*

- [Field Safety: Right To Know Documents for Building Inclusive Field Teams](#)

*This module discusses mental and physical aspects of field safety. The module contains resources for supporting students and technicians in the field and guides supervisors as they write their own Right to Know document.*



## QB@CC Webinar Now Available!

On September 20, Quantitative Biology at Community Colleges (QB@CC), a BioQUEST project, presented a webinar entitled “Teaching Modules from QB@CC: Tools to Improve Biology Student’s Quantitative Skills” hosted by the National Association of Biology Teachers (NABT). Joe Esquibel, Jillian Miller, and Jennifer Buntz presented on the “Sizes, Scales and Specialization: Using Relative Proportions and Scientific Notation to Highlight the Diversity of Cell Types” Open Education Resource. The webinar was well-attended live and is now available in video with additional materials in this [QUBES Resource](#).

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## QB@CC 2024 Opportunities

### **2024 Spring QB@CC Incubator**

Are you interested in developing open education resources to introduce quantitative skills in a life sciences classroom AND provide life science context and data in a mathematics classroom? Apply now to join a 2024 Spring QB@CC Incubator!

Participants in incubators will focus on developing modules

with a strong focus on quantitative skills that can be used in both undergraduate life science and mathematics courses. Accepted applicants will work in groups that include math and biology faculty, select a mutually interesting quantitative biology topic, and collaborate to develop educational modules appropriate for use in their own classrooms. Teams of math and biology faculty are encouraged to apply. Team applicants may stay together or join different groups to work on their module for the semester. Participants will have weekly virtual sessions to collaborate with and support others in the incubator group. Learn more and apply on the [QB@CC Group Page](#). Applications due December 1, 2023.

### ***Math and Biology: A Correlation Made in Heaven 2024 FMN***

Are you a biology instructor who wants to incorporate more linear regression into your course? Are you a math instructor looking for authentic biological contexts to use in a course that covers linear regression? That's where the QB@CC Fall 2023 Faculty Mentoring Network (FMN) comes in! We know that biology and statistics go hand and hand but incorporating mathematics into your biology course or biology into your mathematics course can be a challenge on your own. As a member of the FMN, you will implement one or two linear regression-focused QB@CC modules into one of your courses this Fall with the support of your fellow FMN participants and two faculty mentors.

Participants in this FMN will focus on how to use data-driven modules in undergraduate mathematics courses. Accepted applicants will customize and implement newly designed biology educational modules from a wide range of topics. While doing this, they will participate in biweekly virtual sessions to collaborate with and support others in the network and receive mentoring. Learn more and apply on the [QB@CC Group Page](#). Applications due December 1, 2023. Space is limited.

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### **Community College Faculty funding for AMATYC through QB@CC**

Are you an instructor at a two-year institution? Are you considering attending the AMATYC Conference for the first time?! If you answered with a resounding "YES!" to both of these questions, we have good news! QB@CC is partnering with AMATYC to offer funding for the conference!

[Quantitative Biology at Community Colleges](#) (QB@CC) is a National Science Foundation (NSF) supported project with the long-term goal of significantly enhancing students' quantitative skills by providing real-world applications of mathematics. QB@CC does this by providing educational materials and professional development for both mathematics and biology faculty. We're excited to announce that QB@CC has the opportunity to support FIVE instructors who are attending the [AMATYC Conference](#) for the first time!

[APPLY HERE!](#) Don't delay! Applications are due at 11:59p Pacific Time on Friday, October 27, 2023.

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## **Partner News and Opportunities**

## Community College Survey

We invite faculty who teach at community colleges to aid in the collection of data to support the submission of a Research

Coordination Network

(RCN) proposal that will

translate discipline-based education research for undergraduate biology instructors at community colleges.

This project is titled "Building an Evidence Based Teaching Mentoring Network with Community Colleges" and was inspired by activities in the Promoting Active Learning and Mentoring (PALM) Network.



Data generated from this survey will be used in the submission of the proposal to demonstrate a need for this network with undergraduate biology faculty at community colleges and to identify specific pedagogical and professional needs at these institutions. We thank you for participating in [this survey](#) and its completion should take no more than 15 minutes.

Please feel free to share the link of [this survey](#) with your colleagues at community colleges in Biology and thank you in advance for your help in our efforts to support the long-term sustainability of the PALM Network and its impact on professional development of educators.

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## SABER East Conference

Save the date for the inaugural East Coast regional SABER meeting, which will be held at Rochester Institute of

Technology, May 29th-31st, 2024. Abstracts will open November 1st so stay tuned to [their website](#) for more details!



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## BASIL Workshops on Assessing Student Learning of Biochemistry CURES

The BASIL group is hosting some free virtual workshops and one in-

person workshop (with a stipend!) at Prairie View A&M. In these workshops participants will learn about the distinguishing characteristics of course-based undergraduate research experiences (CUREs), be introduced to the curriculum used to implement BASIL CUREs in diverse institutional contexts, and create an action plan for how to adapt BASIL for your own course. Participants will gain hands-on experience with web-based BASIL resources and guidance in how to assess student learning in BASIL CUREs. Finally, participants will be invited to join a rich community of biochemists committed to increasing access to undergraduate research. Check out more information and register in their [events page](#).



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## The Human Anatomy and Physiology

## Society (HAPS) Book Club

The [Human Anatomy and Physiology Society](#)



*Promoting excellence in the teaching  
of human anatomy and physiology*

(HAPS) Book Club invites

A&P, anatomy, and

physiology instructors to join our sessions this semester, held on Zoom in October-December. We are reading "Evolution Gone Wrong" by Alex Bezzarides, who will be joining us for our discussions in Nov and Dec. To join the HAPS book club listserv and receive the Zoom link, please contact Larry Young at: [lyoung@hapsconnect.org](mailto:lyoung@hapsconnect.org).

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P.O. Box 1452 Raymond, NH 03077*

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