



## Community Spotlight

Each [Community Spotlight](#) features an outstanding group, partner, resource, or member of our community.



## Fall 2023 Professional Development Opportunities

See below for details on the Faculty Mentoring Networks (FMNs) and Incubators still open and taking applications for Fall 2023. Please reach out to [Molly Phillips](#) if you have any questions!

- [FMNs](#)
- [Incubators](#)

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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### [Faculty Mentoring Networks](#)



#### [BIOTA Podcasts](#)

Are you interested in flipping your classroom using podcasts? Apply now to join us for the Fall 2023 BioTA & BioQUEST Faculty Mentoring Network (FMN).

Participants in this FMN will pick one of the following:

- 1) Create new materials associated with a [BioTA podcast](#) and implement it in their classroom
- 2) Use existing materials in their classroom
- 3) Work on new podcasts and materials

While doing this, they will participate in biweekly virtual sessions to collaborate with and support others in the network and receive mentoring.

Applications are due August 31, 2023. Space is limited, and the network is launching soon, so [apply now](#)!

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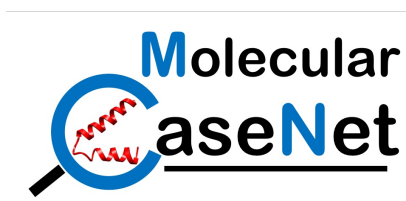


## [Math & Biology: A Correlation Made in Heaven](#)

Are you interested in adopting modules that cover linear regression using a topic in biology? Apply now to join us for the Fall 2023 QB@CC Faculty Mentoring Network (FMN).

Participants in this FMN will focus on how to use data-driven modules to teach linear regression in undergraduate mathematics and life science courses. Accepted applicants will customize and implement newly designed biology educational modules. While doing this, they will participate in biweekly virtual sessions to collaborate with and support others in the network and receive mentoring.

Applications are due August 31, 2023. Space is limited so [apply now!](#)



## [Molecular CaseNet](#)

If you teach about bio-molecular structure and function and wished you had access to ready-to-use, discipline specific or interdisciplinary case studies for your students please

read on.

Apply now to join the Fall 2023 Molecular CaseNet Faculty Mentoring Network. As participants you can implement one or more of the published cases from the CaseNet or the cases for field testing in your classroom. You can participate in the writing workshops to author and publish new cases on a topic of your choice!

As participants you will

- get access to published molecular case studies and draft cases for piloting
- learn about introductory materials and tutorials to navigate through various bioinformatics data resources related to the cases.
- get a chance to author and publish new molecular case studies on your topic/theme of your choice (Note: students, post-doctoral fellows, and colleagues may collaborate on writing these case studies).
- have a network of other educators with whom you can share, discuss, and learn ways for effectively implementing these case studies
- get a stipend for your contributions to Molecular CaseNet

By using the molecular case studies your students will be able to engage in molecular storytelling - i.e.,

- visualize the 3D structures of proteins and nucleic acids
- navigate through case-related 3D structures and analyze them to answer specific questions related to the case theme
- use data from public bioinformatics data resources to explore authentic case studies in biology/chemistry/ biochemistry/ other related fields

Applications are due Sep 4, 2023. Please visit the [Molecular CaseNet FMN overview page](#) for instructions about how to apply.



[Quantitative Biology @  
Community Colleges  
Incubators: Developing  
Interdisciplinary Resources  
for Math and Biology](#)

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  
2023 Fall 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.

DEADLINE EXTENDED! Applications are now due August 31, 2023. [Click here  
for application information.](#)



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BioQUEST is a transformative, collaborative community empowering educators to drive innovation in  
STEM education for all students.

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P.O. Box 1452, Raymond, NH 03077

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