Community Spotlight

Each Community Spotlight features an outstanding group, partner, resource, or member of our community.

Over the 2021-2022 school year—another difficult year for educators amidst changing pandemic guidelines—BioQUEST ran 13 Faculty Mentoring Networks, bringing together more than 100 educators to connect over a broad common goal: to improve the student experience in today’s STEM classrooms.

Participants explored how they could incorporate and teach new skill sets, how they could give students hands-on research experiences, how the data and models used could be made more relevant, inclusive, applied and much, much more.

Nineteen mentors led the way in these groups, creating community at a crucial time, and providing expertise, advice, and guidance. In doing so, they have made significant contributions to STEM education, the professional growth of their peers, and to creating a vibrant, scholarly, innovative community around STEM education reform.

Below, you’ll find:

- a list of our mentors
- links and resources from the 2021-2022 FMNs
- a preview of FMNs that will run in the fall.

Thank you to our mentors for their time, effort, expertise, generosity, and commitment to professional growth and STEM education reform.

Mentors

Joel Abraham, California State University, Fullerton
Tamara Basham, Collin County Community College District
Jennifer Buntz, Central New Mexico Community College
Sarah Beth Cadieux, Rensselaer Polytechnic Institute
Shuchismita Dutta, Rutgers University
Matthew Escobar, California State University San Marcos
Elizabeth Farrell, Nassau Community College
Rachel Hartnett, Oklahoma State University
Sharon Homer-Drummond, Tri-County Technical College
Alys Hugo, Everett Community College
Chas Kennedy, Tri-County Technical College
Pat Marstellar, Emory University
Eli Meir, SimBio
Jillian Miller, Roane State Community College
William Morgan, The College of Wooster
Sumali Pandey, Minnesota State University Moorhead
John Starnes, Southcentral Kentucky Community and Technical College
Erin Vinson, University of Maine

2021-2022 FMNs and Resources

QB@CC Bridging Mathematics and Biology - Fall 2021
QB@CC Bridging Mathematics and Biology - Spring 2022

Final Products on QUBES - Fall 2021
Final Products on QUBES - Spring 2022

CourseSource: Online4Bio Writing
Partner Resource Collection
Teaching Quantitative Reasoning and Scientific Concepts Using Large Datasets and Inquiry-Based Learning - Fall 2021

Teaching Quantitative Reasoning and Scientific Concepts Using Large Datasets and Inquiry-Based Learning - Spring 2022

Partner Resource Collection on QUBES

Integrating Bioinformatics: RNA-seq using Galaxy

Partner Resource Collection on QUBES

Molecular Case Studies: At the Interface of Biology and Chemistry

Final Products on QUBES

ESA's Life Discovery FMN, Pushing Past Barriers: Ecological Science for All

Partner resource collection
ImmunoReach
Look for final products in late July!

Other Spring 2022 FMNs:
Quantitative Skills and Scientific Identity
Science Communication & SARS-CoV-2 FMN
Applying Universal Design for Learning Principles to Existing Cases
Grappling with Graphs

Fall 2022 FMNs and Incubators
OCELOTS is now accepting applications for its incubator!

OCELOTS Incubator: Creating an online module in tropical biology

Stay tuned to our newsletter for FMN application deadlines for the following groups (and MORE TO COME)!
QB@CC - Apply now!
Project EDDIE

QUBES on Social Media

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