Our FMN Mentors

Over the 2020-2021 school year--one of the most difficult years for educators--the QUBES project ran 13 Faculty Mentoring Networks, bringing together more than 150 faculty 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, data-driven, and much, much more.

Seventeen 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:

- appreciations from participants
- a list of our mentors
- links and products from the 2020-2021 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.
Appreciations

“Our mentors truly did create a community of scholars! They guided us on how to not only have uncomfortable conversations and sensitive discussions given the nature of our topic, but also empowered us to extend this work into our classrooms and beyond into our communities.”

“[Our mentors] did an amazing job developing, organizing, and facilitating an FMN when the community needed it most [...] During our meetings, they introduced projects, helped trouble-shoot protocols, introduced resources for finding and using large data sets, and maintained a welcoming and supportive community. I am forever grateful for their time, efforts, and quiet support during one of the most difficult years for teaching.”

“Our mentor was fantastic. [She] allowed things to flow very creatively, creating space for different participants to go in very different directions with their final products. On the flip side, [she] was also amazing at finding additional resources and curricular examples to share, so that the process wasn’t too overwhelming.”

“[Our mentor] let us grow as an FMN, giving us space to lead conversations, ask questions, give feedback to each other, and gently remind us of our deadlines amid a busy schedule. [She] was a patient leader and we were blessed to have her!”

“Like many good leaders, [our mentors] let us decide what support we needed and then provided it. I am so much more comfortable teaching bioinformatics and I'm more equipped to help our adjunct faculty teach it as well.”

“Our mentor’s attention to detail, capability in helping us navigate the module adaptation process and overall friendly demeanor made the FMN experience useful and enjoyable. [He] made himself accessible to our group beyond our meetings and offered his creativity and experience to address our challenges. [...] This experience was invaluable in terms of providing a framework for integrating data exercises into my course and I am so grateful for the opportunity!”

“[Our mentor] brings energy and creativity to our little collaborative group each week! She definitely mentors and has helped us build connections within our group and to others. I feel heartened and inspired each time I leave our meetings, and it’s mostly because of the shared spirit of the group.”
Mentors

Laurel Anderson, Ohio Wesleyan University

Tim McCay, Colgate University

Shuchismita Dutta, Rutgers University

Suann Yang, SUNY at Geneseo

Anne Rosenwald, Georgetown University

John Starnes, Southcentral Kentucky Community and Technical College

Tamara Basham, Collin County Community College District

Pat Marstellar, Emory University

Sarah Prescott, University of New Hampshire

Rachel Hartnett, Oklahoma State University

William Morgan, College of Wooster

Barbara Murdoch, Eastern Connecticut University

Jacob Kerby, University of South Dakota

Andrew Haveles, University of Wisconsin - River Falls

Davida Smyth, Texas A&M University, San Antonio

Karen Oates, Worcester Polytechnic Institute

Wilson Leung, Washington University in St. Louis

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2020-2021 FMNs and Final Products

EREN-NEON Flexible Learning Projects

Final Products on QUBES
Make TRUBLE: Make Teaching R in Undergraduate Biology Less Excruciating

Final Products on QUBES

Molecular Case Studies: At the Interface of Biology and Chemistry

Final Products on QUBES

Bring Bioinformatics to Your Biology Classroom

Final Products on QUBES

QB@CC Bridging Mathematics and Biology

Final Products on QUBES

Scientists Spotlights and Data Nuggets

Final Products on QUBES
Genome Solver: Faculty Training in Basic Bioinformatics

Final Products on QUBES

Teaching Quantitative Reasoning and Scientific Concepts with Data

Final Products on QUBES

Social Justice and Community Change: Building CURES with Community Social Justice Impact

Final Products on QUBES

RNA-seq with GEA

Partner Resource Collection

SENCER Educators as Civic Educators

Partner Resource Collection
Fall 2022 FMNs

Stay tuned to our newsletter for more updates about FMN offerings in the fall!

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