How BioQUEST and QUBES Can Support Your Project

A BioQUEST How To Webinar
Shared 12/16/21

This webinar provides an overview of how BQ & QUBES can support projects and introduces the Spring 2022 FMN.
This webinar will address:

1. A brief overview of how the QUBES platform is organized.
2. Examples of what you can do with a group.
3. Managing groups (a quick peek behind the curtain)
4. BioQUEST project support services
5. What to expect from the Hosting a Project with BioQUEST / QUBES FMN
6. Additional opportunities to learn about hosting a project.
Part 1
A brief overview of how the QUBES platform is organized.

QUBES is a scientific gateway platform that combines a variety of tools and resources to support STEM education reform.

It is purpose built by college educators for college educators with an emphasis on collaborative workspaces and open education resources publishing.
Part 1
How QUBES is organized - Resources

Resources are published into the OER Library.
Full support for the OER lifecycle including versioning and adaptations.

Today (12/16/21) there are 1619 resources available.
Every resource is associated with authors and a group.
Resources draw many visitors to QUBES.

Visit group or author to find related resources.
Part 1
How QUBES is organized - Community

QUBES is made up of a bunch of Groups.

Each group has a lot of independence with respect to - look and feel, membership management, information sharing, and collaboration tools.

Everyone still publishes into the OER Library

Resources can be displayed in groups - both those published by the group and others. (see next slide)
C1. Explain the role of computation and data mining in addressing hypothesis-driven and hypothesis-generating questions within the life sciences.
Part 2
Examples of what you can do with a group.

Support a meeting

Northwest Biosciences Consortium Winter Workshop

A face to face meeting that was supported using a QUBES group.
Part 2
Using a group to:

Support a meeting

2021 Biology and Mathematics Educators (BIOME) Institute

An online meeting where lots of participant products were captured and lots of pre- and post- meeting collaboration.
Part 2
Using a group to

Support a meeting

Southwestern Community College Poster Session

Online space to organize student posters from a CURE - connected to other institutional collaborators.
Part 2
Using a group to
Create a private workspace

Introduction to Biostatistics at William and Mary

A Group designed to support a course.
Part 2
Using a group to

Create a private workspace

Postdoc and grad student QB Journal Club

Special interest groups, advisory boards, Faculty Mentoring Networks, ...
Part 2
Using a group to

Host a Project

Partners Page
Professional societies, grant funded projects, pet projects, ...
New Faculty Mentoring Network opportunity: HHMI BioInteractive Data Explorer FMN Spring 2020

Apply now!

Join us to develop data visualization/statistical analysis teaching modules featuring authentic scientific research data to tell exciting biological stories! This faculty mentoring network (FMN) focuses on producing a suite of data analysis modules for college introductory biology or advanced high school level biology. Modules will cover a range of topics identified to be of interest to students, based on empirical student audience research. The participants will coordinate with each other to avoid redundancy of topics, help locate data, and provide feedback to each other. The resulting modules will be published on the QUBESHub website and receive a DOI, similar to this example. The developed modules will eventually be incorporated

Dates and Location

This FMN will take place from February–June 2020. Participants will meet for three weeks to support the development of the modules, culminating in a QUBES/BioQUEST Summer Workshop at the University of Pittsburgh, which will cover registration and housing costs, but each participant will be responsible for the workshop. More information regarding the Summer Workshop can be found at https://qubeshub.org/community/groups/summer2020. Apply using...
Part 3
Managing groups
(a quick peek behind the curtain)

Membership settings / join policy
Developing pages
Communications / collaboration tools
Publishing in the QUBES OER Library
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Part 4

Hosting a Project with BioQUEST / QUBES FMN

FMN will run from mid January through mid April 2022

Week 1 - Basic Group Participation

Establishing the norms for our group, learning the basics of how we are going to communicate and share things.

Week 3 - Mapping Project Goals to QUBES Functionality

 Connecting specific goals and strategies from your project to the tools and techniques to help make it happen.

Week 5 - Basic Group Management

Getting under the hood. Building pages, sharing resources, managing membership, integrating other productivity tools.

Week 7 - Promoting Community

Revisiting the organization and function of your group through the lens of community.

Week 9 - Promoting Open

Why open? What are good open practices, and how can we promote them?

Week 11 - Promoting Equity

What can we do to make the project more invitational and inclusive?

Week 13 - Promoting Outcomes

How can you establish good practices that will make it easier to document and evaluate your work?

Week 15 - Disseminating / Scaling / Sustaining

These are parts of any NSF supported activity and early planning is essential.
FMN Workflow

Meet every other week for 1-hour synchronous discussion.

Between meeting weeks

1. Reviewing the recommended reading
2. Completing small assignments that give you relevant experience with the topic on QUBES.
3. Work on your project implementation plan for this topic (some groups may choose to meet during off weeks).
4. There will be office hours and help discussions available between synchronous sessions.

Week 7 - Promoting Community

Associated resources and opportunities

1. The CSCCE Community Participation Model – A framework for member engagement and information flow in STEM communities.
2. Contribute to our FMN collections with resources for community.
3. Map out opportunities for participation and the broader social context for your project.
4. Drop by the office hours for feedback, troubleshooting and discussion.
Hosting a Project with BioQUEST / QUBES FMN Group

Applications Due: December 31, 2021

Visit the Application Page

Are you interested in learning more about the ways that your project can leverage BioQUEST and QUBES...
Additional Resources

Google Form to reach out to us
Grant Support
Services
Partner Support Group
Office Hours and Webinars
Thanks for joining us. Please feel free to share questions and comments.

Sarah Prescott, PhD
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Sam S. Donovan, PhD
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Director of Cyberinfrastructure

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gubeshub.org