How BioQUEST and QUBES Can Support Your Project

A BioQUEST How To Webinar Shared 12/16/21

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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 <u>Hosting a Project with BioQUEST / QUBES FMN</u>
- 6. Additional opportunities to learn about hosting a project.



A transformative, collaborative community empowering innovation in STEM education.



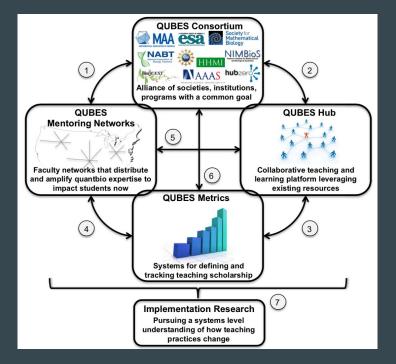
Part 1 A brief overview of how the QUBES platform is organized.

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.

Resources Community Services





Part 1 How QUBES is organized - Resources

Resources Community Services

Browse Resources Why OER? Submit a Resource

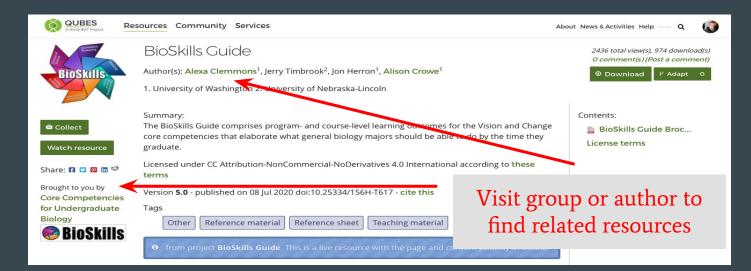
Resources are published into the OER Library.

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.



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.

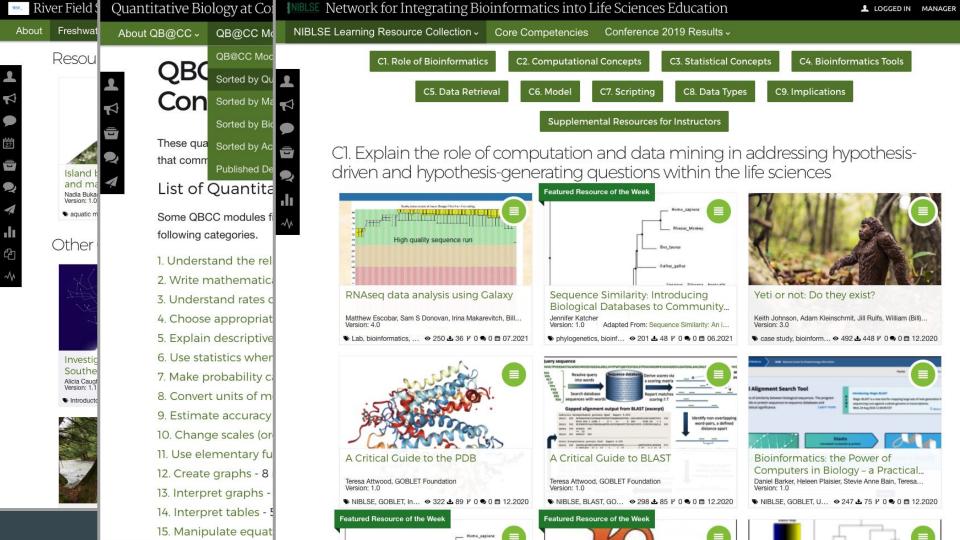
Everyone still publishes into the OER Library

Resources can be displayed in groups - both those published by the group and others. (see next slide)

Resources Community Services

Community Groups Faculty Mentoring Networks Partners





Part 2 Examples of what you can do with a group.

Support a meeting

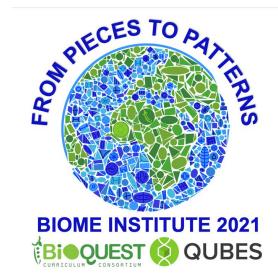


Northwest Biosciences Consortium Winter Workshop

A face to face meeting that was supported using a QUBES group.



Support a meeting



2021 Biology and Mathematics Educators (BIOME) Institute

An online meeting where lots of participant products were captured <u>and lots of pre- and post- meeting</u> collaboration.

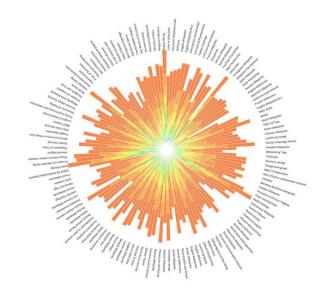
Support a meeting



Southwestern Community College Poster Session

Online space to organize student posters from a CURE - connected to other institutional collaborators.

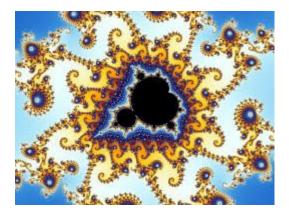
Create a private workspace



Introduction to Biostatistics at William and Mary

A Group designed to support a course.

Create a private workspace



Postdoc and grad student QB Journal Club

Special interest groups, advisory boards, Faculty Mentoring Networks,

...





Renome Solver

HITS High throughput Diaco





NTO OATE



Visual Classrooms



CCBIOME









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Host a Project

Partners Page

Professional societies, grant funded projects, pet projects, ...

HHMI BioInteractive

Statement of

BIOMAAP Te

All Resources

♀ CC Bio

About the HHMI/ QUBES Projects Joining the group

Joining the group Ways to participate Educator Publications Workshops



HHMI BioInteractive has partnered with QUBES to raise awareness of their free science education resources with undergraduate faculty. Bio multimedia resources, including apps, animations, videos, interactive and virtual labs, supplemented by teacher guides and classroom activities. developed quantitative and data-centric resources, including statistics, data manipulation, and graph generation and interpretation activities. stories with interviews and discussions with actual scientists.

New Faculty Mentoring Network opportunity: HHMI BioInt 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

37

This FMN will take place from February–June 2020. Participants will me three weeks) to support the development of the modules, culminating i QUBES/BioQUEST Summer Workshop at the University of Pittsburgh, cover registration and housing costs, but each participant will be respo the workshop. More information regarding the Summer Workshop can at https://qubeshub.org/community/groups/summer2020. Apply using

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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

LOGGED IN MANAGER

Manager Dashboard

from here you can manage membership, edit settings, add pages, etc

MEMBERSHIP Invite, promote, manage roles, etc

SETTINGS Modify settings & access

PAGES manage group pages & modules

CANCEL MEMBERSHIP Leave group & revoke privileges

DELETE Permanently Remove Group

Membership settings / join policy

Developing pages

Communications / collaboration tools

Publishing in the QUBES OER Library

Who can join? REQUIRED

Open/Anyone

Membership requests are automatically accepted (no pending status).

○ Restricted

Membership requests are pending and must be approved/denied by a manager.

O Invite Only

Membership can only be gained through an invite.

⊖ Closed

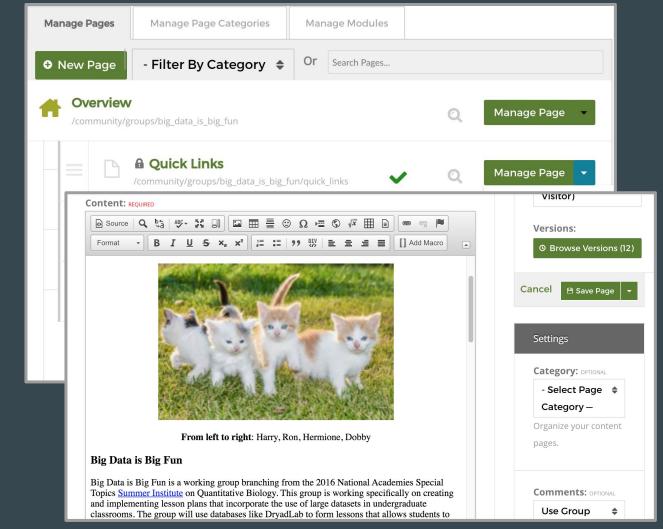
Membership cannot be requested.

Membership settings / join policy

Developing pages

Communications / collaboration tools

Publishing in the QUBES OER Library



Membership settings / join policy

Developing pages

Communications / collaboration tools

Publishing in the QUBES OER Library

Overview	Any HUB Visitor		
Members	Any HUB Visitor	~	
Announcements	Any HUB Visitor	~	
Blog	Any HUB Visitor	•	
Calendar	Disabled/Off	~	
Collections	Any HUB Visitor	~	
Forum	Any HUB Visitor	~	
Projects	Disabled/Off	~	
Usage	Any HUB Visitor	~	
Wiki	Disabled/Off	~	
Wish List	Disabled/Off	~	
Citations	Disabled/Off	~	
Files	Disabled/Off	~	
Activity	Group Members Only	•	

 Any HUB Visitor
 ✓ Registered HUB Users Group Members Only Disabled/Off

Membership settings / join policy

Developing pages

Communications / collaboration tools

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	Lightning Talk 2021 - YouTube v.1.0			

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POSTED released 06 Dec 2021 Start a new resource

-05-0

Version

Releases

1

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

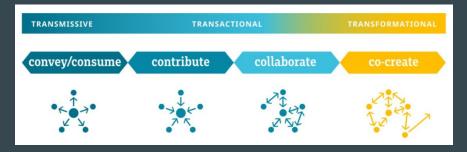
These are parts of any NSF supported activity and early planning is essential.

FMN Workflow

Meet every other week for 1-hour synchronous discussion.

Between meeting weeks

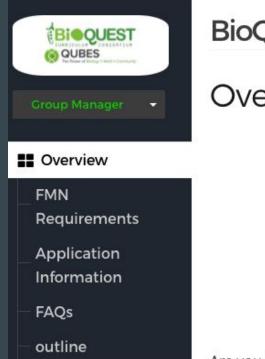
- 1. Reviewing the recommended reading
- 2. Completing small assignments that give you relevant experience with the topic on QUBES.
- 3. Work on your project implementation plan for this topic (some groups may choose to meet during off weeks).
- 4. There will be office hours and help discussions available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



Week 7 - Promoting Community

Associated resources and opportunities

- 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.



BioQUEST Partner Projects FMN

Overview

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

https://qubeshub.org/community/groups/bqpartnerfmn22/

Additional Resources

<u>Google Form to reach out to us</u> <u>Grant Support</u> <u>Services</u> <u>Partner Support Group</u> <u>Office Hours and Webinars</u>

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Resources	Community	Services
Our Services	Grant Services	

Thanks for joining us. Please feel free to share questions and comments.



Executive Director



Sam S. Donovan, PhD Director of Outreach and Strategic Engagement



Drew LaMar, PhD Director of Cyberinfrastructure Follow us for updates and announcements.

@BioQUESTed
@QUBES

<u>Newsletter</u>



Caitlin Hayes



Jenny Kwan Full Stack Developer



Hayley Orndorf

Workshop Coordinator and UDL Program Manager



Deborah Rook, PhD

Deputy Director



Katrina Wells

Project Assistant



A transformative, collaborative community empowering innovation in STEM education.

