**A picture containing logo

Description automatically generatedJoin us for our Fourth National Workshop!**

August 2-5, 2021

Virtual workshop

**There is no cost for this workshop.**

**Build-a-Genome**:

* Is a course-based research experience for undergraduates
* Features cutting-edge course content in synthetic biology
* Provides both lab protocols and research workflows as well as teaching and ethics modules
* Works well at all types of institutions from research institutions to community colleges
* Is easily incorporated into your current courses with modules ranging from 2 weeks to 1 semester
* Is funded through the NSF Research Coordination Network for Undergraduate Biology Education

For more information, go to: <https://qubeshub.org/community/groups/bag>

**Application**

Application review will continue until the workshop is filled (24 participants). Teams of faculty or of faulty and an undergraduate student are encouraged but not required.

**Participant 1**

Name:

Academic Rank/Title:

Department:

Institution:

Address:

Phone Number:

Email Address:

**Participant 2**

Name:

Academic Rank/Title:

Department:

Institution:

Address:

Phone Number:

Email Address:

1. What courses (name and course level) do you currently teach?
2. Please indicate your previous experience with each of these fields:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | No experience at all |  |  |  | A great deal of experience | Comments or explanations about your answer? |
|  | **1** | **2** | **3** | **4** | **5** |  |
| Synthetic Biology (concepts and principles) |  |  |  |  |  |  |
| Synthetic Biology  (research and techniques) |  |  |  |  |  |  |
| Molecular biology |  |  |  |  |  |  |
| Yeast genetics |  |  |  |  |  |  |
| Microbiology |  |  |  |  |  |  |
| Virology (especially bacteriophages) |  |  |  |  |  |  |

1. Which of the three Build-a-Genome workflows are you interested in? If you select more than one, please rank them (1=most interested)! Not sure what we’re talking about here, check out the description of each workflow at: <https://qubeshub.org/community/groups/bag>

\_\_\_\_\_\_\_ Bacteriophage genomes

\_\_\_\_\_\_\_ Neochromosomes

\_\_\_\_\_\_\_ Yeast Scramble (genome rearrangement)

1. How do you foresee incorporating Build-a-Genome into your teaching?
2. Briefly describe your experience mentoring undergraduate research.
3. Do you have previous experience with a course-based research experience? (Which one?)
4. Please explain why you would like to attend the workshop. How will it benefit your professional development?
5. Is there anything that we missed? Are there particular skills and experiences that you bring to the group?

**Agreements**

1. If I implement the course or use network resources, I agree to administer the BAG Network pre- and post-activity assessment with students. and to complete the faculty post-utilization survey ☐yes ☐no
2. If I implement the course or use network resources, I agree to complete the BAG Network faculty post-course survey.

☐yes ☐no

1. I have signed up for BAG network membership at <https://qubeshub.org/community/groups/bag>

☐yes ☐no

**Please include a CV for each participant. For undergraduates, a one paragraph description of career goals and prior preparation may be sent instead.**

**Please submit this application to Lisa Scheifele at** [**lzscheifele@loyola.edu**](mailto:lzscheifele@loyola.edu) **Thanks!**