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**Join us for our Third National Workshop!**

July 27-31, 2020

This is a **virtual** workshop, held online on Zoom at no cost to participants

**Build-a-Genome**:

* Features cutting-edge course content in synthetic biology
* Is a course-based research experience
* 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 current courses with modules ranging from 2 weeks to 1 semester
* Provides activities that can be completed through **virtual teaching and learning for Fall 2020**
* 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. Teams of participants (faculty pairs or faculty and an undergraduate student) are encouraged but not required.

**Participant 1**

Name:

Academic Rank/Title (if applicable):

Department (if applicable):

Institution:

Address:

Phone Number:

Email Address:

**Participant 2**

Name:

Academic Rank/Title (if applicable):

Department (if applicable):

Institution:

Address:

Phone Number:

Email Address:

1. Please indicate your previous experience with each of these fields (prior experience not required for participation!):

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | 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 or research?
2. Please explain why you would like to attend the workshop. How will it benefit your professional development?

**If you teach undergraduate or graduate students, please complete questions 5-7; if not, please skip to question 8 and the Agreements.**

1. What courses (name and course level) do you currently teach?
2. Briefly describe your experience mentoring undergraduate research.
3. Do you have previous experience with a course-based research experience? (Which one?)
4. Is there anything that we missed? Are there particular skills and experiences that you bring to the group?
5. Would you be interested in special sessions on Covid-19 and genetics/genomics? ☐yes ☐no
6. Would you be interested in special sessions on Covid-19 and synthetic biology? ☐yes ☐no

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