# Teacher for Synthetic Biology and Me Codesign program

Baltimore Under Ground Science Space (BUGSS) is a nonprofit in Baltimore, MD. We are collaborative, inclusive, engaging and our goal is to make science accessible and enjoyable to students and the general public ([www.bugssonline.org](http://www.bugssonline.org)).

* Instructor experiences science activities and participates in co-design of biology curriculum
* Meets at BUGSS (101 N Haven St, Baltimore 21224)
* Dates: Monday through Friday 9AM-4PM
* August 4-15
* Pay: $35.00 per hour ($2800 total)

**About the Program**

Synthetic biology, an exciting frontier in science, involves using design technology to modify biological cells. Funded by an NSF Advancing Informal STEM Learning (AISL) award, *Synthetic Biology and Me: Co-Designing Culturally Responsive BioMaker Activities for Family Engagement in Underserved Communities* aims to bridge the gap between cutting-edge science and the communities that need it most. Baltimore Underground Science Space (BUGSS) is a partner helping this program to reach Hispanic and African American families in the Baltimore area.

This project emphasizes the critical role of **co-designing**, ensuring that scientific discovery resonates across age groups and cultural contexts. Participants will explore synthetic biology in ways that connect deeply with their lived experiences and values. The potential for transformational impact is enormous. These innovative activities will serve as a model for how culturally relevant science can change lives in underserved areas.

**About the Positions**

BUGSS is looking for several experienced Science Teachers to participate in this program alongside students for 2 weeks in August 2025. Our goal is for the Teachers in this program to help us to develop this curriculum. The benefit for teachers is learning an exciting new field that can be used with students. For us, we gain from your valuable expertise in what activities work well and engage students.

In the first week, the Science Instructor will engage from 9AM-12 PM with hands-on, creative science activities that engage and excite students from diverse backgrounds. From 2-4 PM, we will dive deeper into how these activities could be implemented in a classroom or informal learning setting. In the second week, participants will engage in the codesign process to modify and expand the hands-on activities from week 1 in ways that are more engaging and personally relevant.

**Specific Qualifications**

* Basic proficiency in science (required)
* Experience working with elementary, middle and/or high school students (required).
* Experience leading groups of students as a teacher or instructor (highly preferred)
* The ability to and enthusiasm for interacting with diverse individuals
* Willingness to fully engage and participate in the codesign process

**A criminal background check is required before any candidate can be hired.**

**To apply, send a brief cover letter/statement of interest and a resume/CV to lscheifele@bugssonline.org**