

As an internationally-recognized leader in synthetic biology education, BioBuilder's 3-day workshops introduce synthetic biology curriculum with a mixture of classroom, laboratory and design activities that are applicable in many settings.

By presenting authentic research questions in accessible, modular, and teachable form, BioBuilder aims to spark interest, engagement, and understanding in STEM fields.

Who should attend?

Any educator looking to incorporate bio-engineering in their classroom:

- High school Biology, Biotechnology, Engineering, and STEM teachers, including technical schools & those teaching AP content
- Science club leaders
- College level instructors



What can participants expect?

- Instruction from practicing bioengineers and high school BioBuilder Master Teachers
- Master the BioBuilder curriculum through a mixture of engaging classroom lecture, laboratory, and interactive design activities
- Leave with ready-to-teach lessons that bring engineering into your classrooms, labs, and science clubs
- Become part of the BioBuilder community – participants will receive resources and ongoing support from Master Teachers within the community

Feedback from Past Attendees

"The format and the labs are very well structured. Excellent instructors."

"I hope to start a BioBuilderClub at my school, and incorporate part of the BioDesign into my science research program."



"It was a lot of fun and quite challenging. Everything was incredibly well designed and organized and the manipulatives were amazing."

"I learned a lot of new strategies to use right away! This was awesome!!!"

Bio-engineering Essentials

Held at:

FirstHand Lab
University City Science Center
3675 Market St
Philadelphia, PA 19104

**Philadelphia,
Pennsylvania**

**June 23 - 25, 2020
9:00AM - 4:00PM**

Tuition:

\$400 - Early Bird pricing
(through April 15)

\$500 - Full fee
(after April 15)

**A \$50 deposit is due at registration*

Ready to gain new knowledge and skills in the emerging field of synthetic biology?

[Register here](#)

*More information at biobuilder.org/program/workshops/
Questions? Email carla@biobuilder.org*

Meet the Instructors



Dr. Justice Toshiba Walker is a Postdoctoral Researcher. He holds graduate degrees in Engineering Biotechnologies and the Learning Sciences at the University of Pennsylvania. He has more than a decade of high school and university teaching experience. His published research on learning in emerging biological and computer science fields guides his theoretical perspectives about developing and assessing innovative teaching and learning experiences.



Lindsey L'Ecuyer has been involved with BioBuilder since 2015. She has taught biology and biotechnology at Andover High School in Andover, Massachusetts for 12 years, and was the 2018 recipient of the MassBioEd Champions for Biotechnology award. A BioBuilder Master Teacher, she leads workshops at various BioBuilder events and conferences.