

# BioBuilder

Educational Foundation



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# Professional Development Summer Workshops

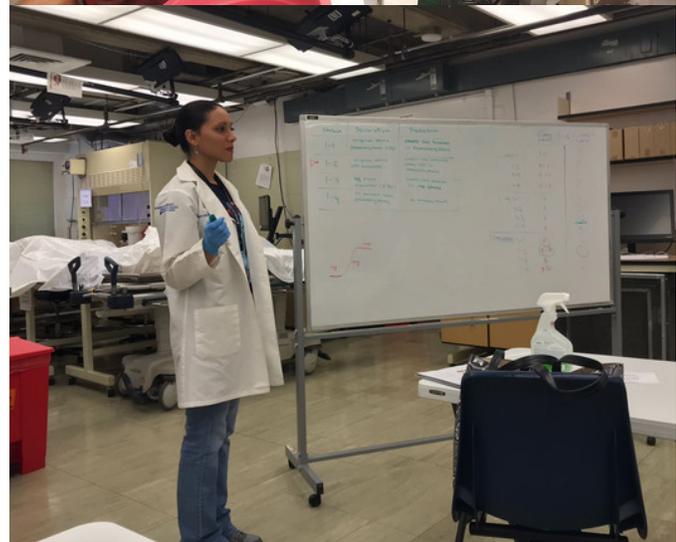
# PD Workshops

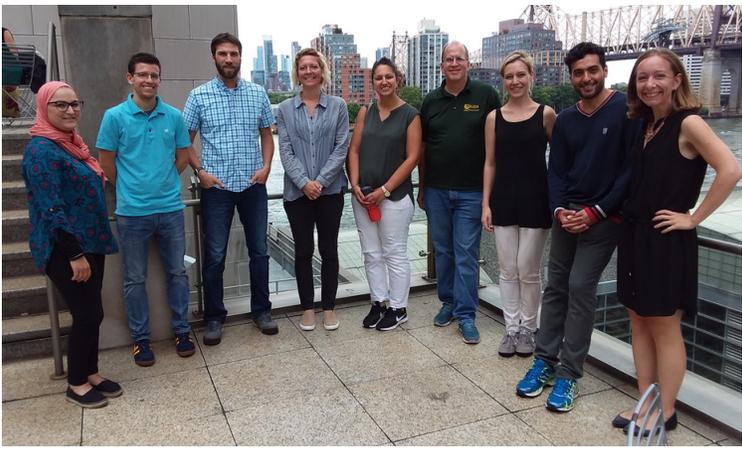
A mixture of classroom, laboratory and design activities provide a professional development experience that is both accessible and inspiring.

Teachers leave with ready-to-teach lessons that bring engineering into biology classrooms, labs or science clubs.

Workshops are co-led by a university-level scientist and a Master BioBuilder High School teacher. A typical workshop day includes an opening activity, a few hours of interactive lecture, a lunchtime activity or speaker, and several hours of laboratory work where teachers learn how to perform as well as teach the BioBuilder materials.

In addition to standard 3-day workshops held in the summer months at numerous locations, BioBuilder offers customized workshops and mini-programs, ranging from conference workshops, half-day programs, advanced training, and events for school superintendents and administrators.

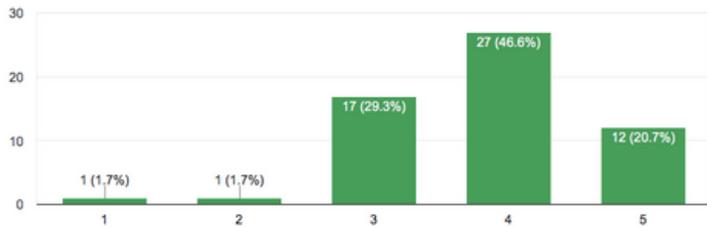




# Summer 2018 Survey Data

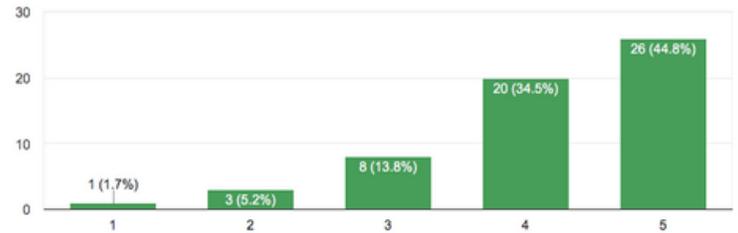
Now that you have taken this workshop, please rate your current comfort level in teaching and/or understanding synthetic biology.

58 responses



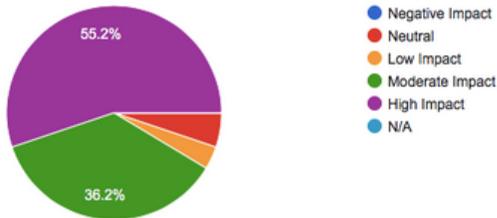
How likely are you to integrate some element of what you learned in this workshop into your future work?

58 responses



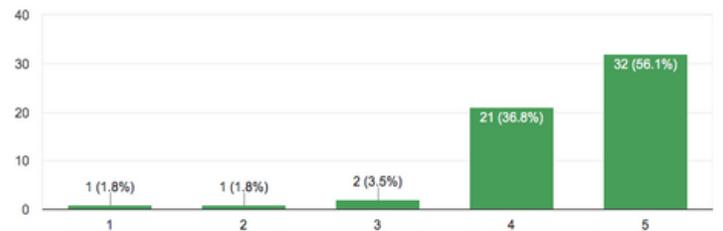
To what extent has your comfort and confidence level in teaching and/or understanding synthetic biology changed as a consequence of this workshop?

58 responses



Overall, how satisfied were you with this professional development experience?

57 responses



"Great workshop. Enjoyed learning about how to apply the engineering design process to biology. I finally know what "synthetic biology" means."

"I really enjoyed meeting other teachers and making contacts on top of learning so much from this workshop!"

## 2018 Workshops held at:

- Learning Lab, Cambridge, MA
- Northwestern University, Evanston, IL
- ORAU, Manassas, VA
- Penn State Hershey Medical Center, Hershey, PA
- Rockefeller University, New York, NY
- Universidad Autonoma de Baja California, Tijuana, Mexico

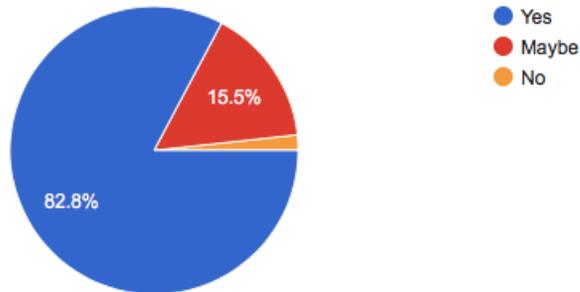
"I will be increasing the discussion and hands-on activities related to the real-world applicability of synthetic biology rather than simply reviewing the science behind bacterial transformations or other microbiology processes."

"I was extremely satisfied with the course and would highly recommend it to colleagues."

# 2018 Outcomes

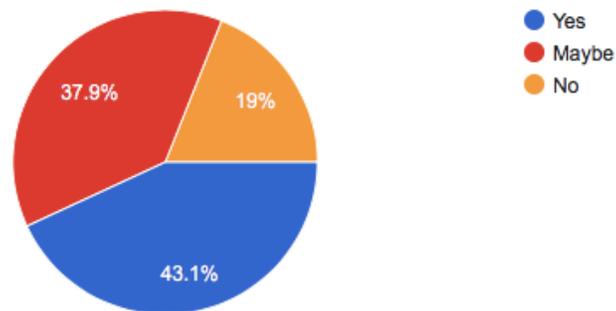
Would you be interested in further workshops and training that bring you more BioBuilder content and teaching opportunities?

58 responses

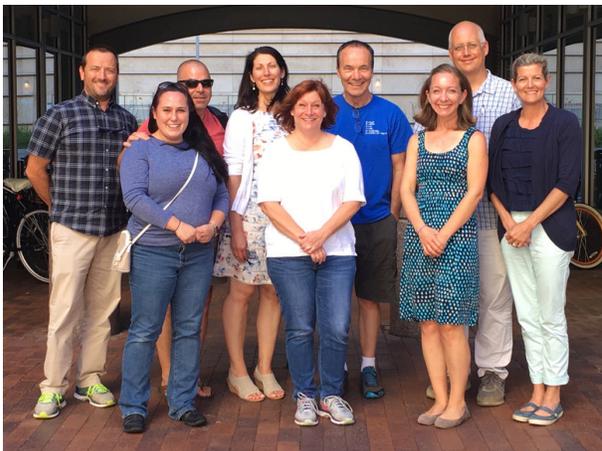


Are you interested to learn more about BioBuilderClub participation? This after-school high school program begins in the Fall.

58 responses



- 97 teachers trained in Summer 2018 Professional Development Workshops
- Teachers anticipate teaching nearly 10,000 students in the next academic year



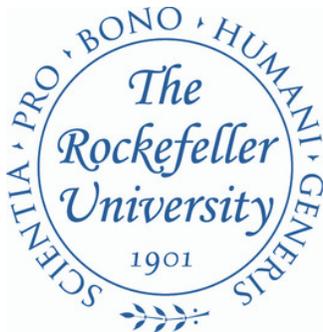


BioBuilder gratefully acknowledges our partners for their support of the Professional Development Workshops.

Together we're transforming education

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