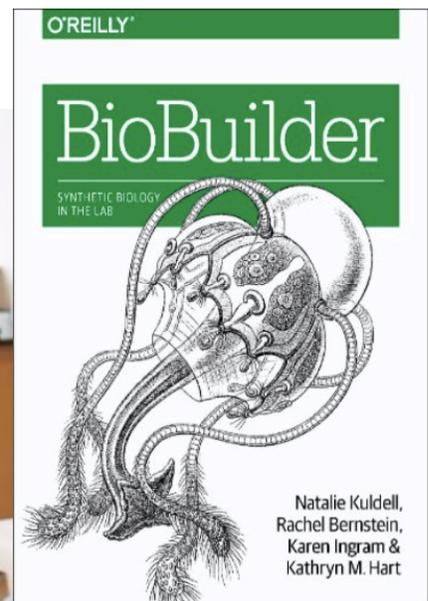


Synthetic Biology

Professional Development Workshops

2016 BioBuilder Professional Development Workshops will be held at:

- **St. Louis, MO:** June 28 - 30
- **Missouri University of Science & Technology, MO:** July 26 - 28
- **Northwestern University, IL:** July 26 - 28
- **Rockefeller University, NY:** July 26 - 28
- **MIT, MA:** August 2 - 4



At BioBuilder, we teach people how to build things made from biology, reconnecting teachers and students with the joy of learning and advancing the field of synthetic biology.

We convert cutting-edge science and engineering into teachable modules, fostering an engaged community and increasing understanding of these fields. Our curriculum has grown out of a partnership between researchers at MIT and secondary school teachers around the country.

BioBuilder is a one-of-a-kind curriculum in the field of synthetic biology. What is synthetic biology? Synthetic biology is an emerging field that applies engineering and mathematical principles to the development of novel biological systems. Think about how computers have changed our world in the last 20 years. Now imagine what we could do with a coding language that worked in living cells. Renewable fuels, better medicines, a healthier planet - all are persistent challenges that are being tackled through synthetic biology.

BioBuilder's three day workshops prepare educators to bring biological engineering into their classrooms and laboratories.

The workshops will include:

- Lectures that connect the engineering/science/math and technology aspects of these fields.
- Labs and classroom activities taught from the online www.BioBuilder.org resource and the new BioBuilder textbook published by O'Reilly.
- Discussion with members of university research communities.
- Activities that address human practice questions such as the safety, security, economics and wisdom of engineering novel biological systems.
- Activities that address the nuts and bolts of running a BioBuilderClub or an iGEM team.
- Attendees receive a copy of the BioBuilder textbook, all workshop classroom materials in ready to use formats, lunch and a certificate of completion including 45 PDPs for attending.

Who should apply?

High school Biology and STEM teachers, college-level instructors, Science Club leaders, and anyone looking for ways to bring cutting-edge content to students with a variety of interests from math to biology to electronics are all encouraged to attend!

How to apply?

Applications may be found online at www.biobuilder.org/workshops.
Tuition is \$300 (Scholarships are available)

Questions: please contact

Carla Boon
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The BioBuilder Educational Foundation is a 501(c)3 organization. Donations are tax-deductible and all proceeds go directly to funding the foundation's programs and materials.