



## BioBuilder Teacher Professional Development Offerings Summer 2024

### Become a BioBuilder Teacher in 14 days

During our two-week intro module, you'll integrate biology, engineering, and DNA programming to redesign living cells. Finish the workshop with ready to teach lessons for your classroom, and first-hand experience running BioBuilder's Eau That Smell lab.

### Bring modern biotechnology to your school.

BioBuilder's life-changing science curriculum inspires and prepares students for college success and careers in STEM. Our educational resources were co-developed at MIT in partnership with high school teachers. The flexible content meets the needs of educators in comprehensive, magnet, and CTE high schools as well as college instructors leading science and engineering classes.

We are thrilled to offer our world-renowned classroom and laboratory activities through a social, online platform. During a two-week window, teachers can participate from anywhere, pacing the lectures, readings, and assignments to fit their learning needs. Even online, teachers can still expect to interact with other teachers, receive feedback from our instructors, and gain hands-on experience with BioBuilder's labs.

#### Modules (must be taken sequentially):

- Part 1: What is Synbio/Eau That Smell (\$250/teacher)
- Part 2: What A Colorful World/Teaching BioDesign (\$150/teacher)

#### Enrollment includes:

- Access to the online training portal housing asynchronous lectures,
- A copy of the BioBuilder textbook,
- Access to all presentation slides,
- One lab kit/school/workshop,
- Access to social platforms for community development,
- Participation in a synchronous demonstration of the lab kit by BioBuilder Instructors via Zoom over two half days, and
- Certificate of completion (requires successful completion of of the course).

#### Who should attend:

- Any educator looking to inspire the young innovators in their classrooms
- High school Biology, Biotechnology, Engineering, and STEM teachers, from intro-level through AP, IB and CTE
- Afterschool science club leaders (Science Olympiad, iGEM, science fair, Genes in Space, BIO, etc)
- College level science and engineering instructors

### Are you ready to bring BioBuilder's life-changing science education to your students?

Find more information, upcoming program dates, and registration information at:

[biobuilder.org/program/workshops/](http://biobuilder.org/program/workshops/)

Questions? Email us at  
[info@biobuilder.org](mailto:info@biobuilder.org).

*Each workshop has discount pricing when multiple teachers participate from the same school.*

## Meet the Instructor



Dr. Natalie Kuldell is a molecular biologist and educator who has combined these two parts of her career into the BioBuilder Educational Foundation, a nonprofit she founded in 2011. Dr. Kuldell studied Chemistry as an undergraduate at Cornell, completed her doctoral and postdoctoral work at Harvard Medical School, and taught at Wellesley College before joining the Department of Biological Engineering faculty at MIT in 2003.

She is a recipient of the Margret and H.A. Rey Curiosity Award and the Million Women Mentors STEM Trailblazer Award.

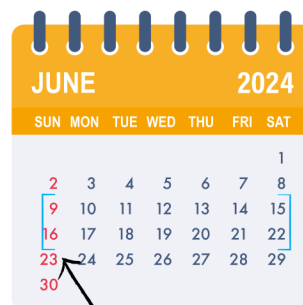


### Summer 2024 Schedule:

- Choose a two-week window over the summer that works best with your schedule to access the online training platform and complete the asynchronous content prior to the live Lab Days
- Lab Days (two half days): To be scheduled week of July 8th-12th and the week of Aug 5th-9th

\*Participants must complete the asynchronous content ahead of the scheduled live Lab Days and Part 1 must be completed before Part 2

### Sample Schedule for Part 1:

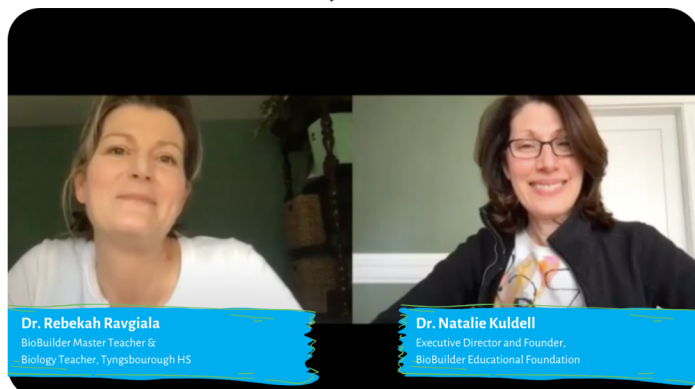


Access to online platform  
(choose your own two-week window)



Lab Days  
(two half days live on  
Zoom, specific dates TBA)

If you'd like to preview what Part 1: Eau That Smell has in store, check out our trailer



### Feedback from Past Attendees

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

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

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