



With Dr. Natalie Kuldell, BioBuilder Founder and MIT Dept of BE and
Dr. Rebekah Ravgiala, Award-winning teacher, Tyngsborough High School

Become a BioBuilder Teacher in 14 days

During this two-week class, 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 iconic Eau That Smell lab.

Bring modern biotechnology to your school this fall.

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. Since 2011, BioBuilder's professional development workshops have directly trained hundreds of teachers each year.

This summer, our workshop format has changed. We'll 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 Natalie and Rebekah, and gain hands-on experience with BioBuilder's lab, Eau That Smell.

What's included:

- 10 hours of recorded lectures, with on-demand life-time access to the course content;
- Slide decks to download for teaching and learning;
- 2 weeks of access to our social engagement platform to interact with other teachers and BioBuilder's instructors;
- A copy of BioBuilder's textbook;
- Eau That Smell Lab Kit (sent to participant's school);
- 6 hours of synchronous lab training to prep and run Eau That Smell, available as a recording if needed;
- Certificate of Completion;
- Discounted enrollment in BioBuilder's follow-up Essentials Training Sessions.

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

If you'd like to preview what this workshop has in store, check out our trailer



Dr. Rebekah Ravgiala
BioBuilder Master Teacher &
Biology Teacher, Tyngsborough HS

Dr. Natalie Kuldell
Executive Director and Founder,
BioBuilder Educational Foundation

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.”



Bring tomorrow's science into today's classrooms

SESSION 1

Starts online June 30, 2021,
Ends July 15, 2021

SESSION 2

Starts online July 21, 2021,
Ends August 5, 2021

Synchronous Lab Sessions:

July 13 and 14, 2021 from
1:00 PM - 4:00 PM (EDT)

Synchronous Lab Sessions:

August 3 and 4, 2021 from
1:00 PM - 4:00 PM (EDT)

Tuition:

\$250 for an individual teacher

(Discounted pricing available when multiple teachers register from the same school)

Ready to bring BioBuilder's life-changing science education to your students?

Session 1 (Jun 30 - Jul 15): [Register here](#)

Session 2 (Jul 21 - Aug 5): [Register here](#)

***Registration closes 2 weeks before each session begins and
is limited to 100 participants/session, so register today!***

More information at biobuilder.org/program/workshops/

Meet the Instructors



Dr. Natalie Kuldell is the Founder and Executive Director of BioBuilder. Natalie has taught for more than a dozen years in the Department of Biological Engineering at the Massachusetts Institute of Technology. She is a highly regarded educator who develops discovery-based curricula drawn from the current literature to engage students in structured, reasonably authentic laboratory and project-based experiences. She 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 faculty at MIT in 2003.



Dr. Rebekah Ravgiala teaches Biology and Advanced Placement Biology at Tyngsborough High School in Tyngsborough, Massachusetts. She holds a B.A. in Biology and a doctorate in Mathematics and Science Education. She has been actively involved in the BioBuilder community since 2011, leading a BioBuilderClub team, and serving as a member of its Board of Directors. She is a recipient of the ASBMB Fostering K12/University Partnership Grant and the AMGEN Excellence in Science Teaching Award.