

2017-18 Fiscal Summary

**Total
Revenue**
\$576,000

**Total
Expenses**
\$500,000

Salaries
\$94,000

Operational Expenses
\$52,000

Lab Programming Costs
\$344,000

Other Costs
\$10,000

Earned Income
\$125,000

**Corporate and
Foundation Grants**
\$70,000

In-Kind Donations
\$313,500

Individual Contributions
\$67,500

BioBuilder Board

We are a diverse group of professionals who know that learning new things can inspire hard work, innovation, and excitement.

Rebecca Millman* *Strategy and marketing consultant*

Isadora Deese *Freelance writer and editor, MIT*

John Dellapa *Lawyer, Mintz Levin*

Kathryn Hart *Assistant Professor, Williams College*

Natalie Kuldell *BioBuilder Founder and Executive Director*

Rebekah Ravgiala *Teacher, Tyngsborough High School*

Mary Tamer *Education communications strategist, Boston MA*

Valerie Tutson *Storyteller and community organizer, Providence RI*

* Board President

Partners & Friends



www.biobuilder.org email: info@biobuilder.org

The BioBuilder Educational Foundation is a 501c3 nonprofit organization. Donations are tax-deductible to the fullest extent allowed by law.



BioBuilder

Educational Foundation

FY2018
ANNUAL
REPORT

Dear Friends,

Thank goodness for these Annual Reports! Our daily work keeps us busy, and we rarely pause to take note of our impact. But here we take a minute to review and recognize the incredible year it has been for BioBuilder.

In 2018, our operating budget grew by ~50% AGAIN (that makes the third year in a row). We are INCREDIBLY grateful to **New England Biolabs** and **LabCentral** who have contributed the state-of-the-art teaching lab that let us run 80 days of new programming. More than **200 adults and 350 students** joined us in Cambridge Massachusetts to work in the **Learning Lab** this past year.

We are especially proud of the local high school students who spent eight weeks with us through BioBuilder's **Apprenticeship** program. Happily 100% of those students who interviewed with companies and labs got hired as interns for the summer.

We directly trained 100 teachers through our **professional development workshops** around the country. You can now find BioBuilder teachers in 44 US states and 31 countries. Their leadership and hard work lets thousands of middle school, high school and college students learn BioBuilder's advanced science and engineering curriculum each year.

And outside of class, our **BioBuilderClub**, now in its 5th year, connected 100s more teachers and high school students to resources for engineering biology. A big thank you to the scientists and engineers who mentor these teams and who volunteer at the Learning Lab. Their professional input solidifies BioBuilder's content and the career goals for our students.

Students and teachers call the BioBuilder work "eye-opening." They tell us that they are "transformed," "infatuated with the field," and "inspired to do more."

I invite you to re-explore and support our community. And if your eyes are opened, if you are infatuated by what you see, if you are inspired to do more, then lend a hand. Help us change the world through education and biological engineering. There is so much to accomplish together.

Sincerely,



Natalie Kuldell, PhD
Founder and Executive Director
BioBuilder Educational Foundation



Transforming STEM Education, One Classroom at a Time.

BioBuilder takes a comprehensive approach to the emerging field of synthetic biology, providing exceptional programming for students and educators alike. All our offerings – from a downloadable textbook to lab kits to professional development – enhance existing science curricula and promote deeper learning through creative problem solving.

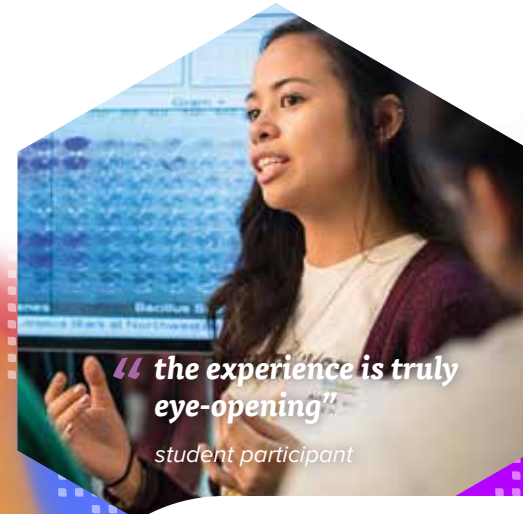


“This was easily the best professional development workshop I have ever taken”

teacher participant

PROFESSIONAL DEVELOPMENT

More than **100 teachers** from 14 states attended BioBuilder summer workshops around the country or in Tijuana, Mexico (our first international workshop!). They left with ready-to-teach lessons that are likely to introduce more than **10,000 students** to synthetic biology this year.



“the experience is truly eye-opening”

student participant

BIOBUILDERCLUB

This year **34 teachers** and **300 high school students** worked with the BioBuilder after school club. Mentored by more than **20 STEM professionals**, these amazing biodesign teams were featured in **8 publications** and recognized with **17 awards**.



APPRENTICESHIP

We opened a direct path from the classroom to the workforce for our **17 High School Apprentices** who studied with us for 8 weeks this spring. Selected from more than 50 applicants, our Apprentices were interviewed and then hired for paid summer internships in Boston's biotech and academic labs.

“The Apprenticeship Challenge and the following internship not only shaped my college applications, but also exposed me to a field I am now infatuated with.”

student feedback



LEARNING LAB

Thanks to generous support from New England Biolabs and LabCentral, BioBuilder has a home! We offered 40 programs and taught more than 550 people in our **brand new, state-of-the-art lab** this year.

“Thank you for offering such an amazing opportunity to students interested in life sciences!”

teacher from local school