

## HELLO FRIENDS

BioBuilder continues to amaze me with its incredible capacity to excite and inspire. Nearly every day, I get messages from energetic and talented teachers in our global community. Their students are flourishing, and I'm thrilled to watch as BioBuilders everywhere take what we've started with this curriculum, and run with it.

After just three years, BioBuilder has established itself in classrooms throughout the country and around the world. BioBuilder teachers are in at least 43 U.S. states now, and we've engaged with dozens of educators in foreign countries who strive to bring engineering challenges to their life-science classrooms. Our **BioBuilder textbook** is making its way around the world, and I'm as surprised as anyone to see where it's popping up!

This momentum propels us to even greater goals for BioBuilder this upcoming year. In my **new capacity as full-time Executive Director**, I can build the resources we need to establish a dedicated teaching and learning space in **partnership with LabCentral**, as well as more fully support the student and teacher led initiatives like **the BioBuilderClub**. To reach an even wider audience, BioBuilder is partnering with science museums around the country on "Building with Biology" events, bringing posters, books and workshops to school leaders, and engaging with community enthusiasts of all kinds who are eager to become citizens of biotechnology.

I hope you enjoy this overview of our accomplishments this year, and that our story inspires you to partner with us. With your support, we will jump into this ambitious next year of BioBuilding and land in even more surprising places,



Sincerely,

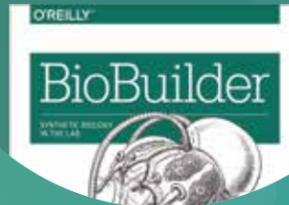
Natalie Kuldell  
President, The BioBuilder  
Educational Foundation



Dr. Natalie Kuldell opens her classroom to all

After 12 years teaching at MIT, Dr. Kuldell will move to BioBuilder as its first full-time Executive Director. "With so many exciting things in development at BioBuilder, it's going to take my full attention to get it all done right. BioBuilder has grown directly from my MIT teaching and I'm thrilled to be extending the educational mission I started there"

BioBuilder  
textbook



What can we learn as we approach life science with an engineer's toolkit? The BioBuilder book dives into the questions that synthetic biologists wrestle with daily. Early reviewers call the book "accessible," "empowering," and a "must read." Since its publication by O'Reilly in June of 2015, the BioBuilder book has been spotted around the world. #wheresbiobuilder? everywhere!



Inspiring tomorrow's innovators together, at LabCentral

Only a few dozen early stage, high potential biotech companies are invited into LabCentral's shared lab environment, and BioBuilder couldn't be happier to be joining forces with such an innovative community. Our teaching and learning lab will expand public access to BioBuilder's state-of-the-art bioengineering curricula and training. It will offer a unique opportunity for teachers, students and enthusiasts to interact with some of the world's most promising scientists and entrepreneurs.

LabCentral is the perfect environment for BioBuilder to grow! We'll be fundraising for this partnership and offering some sneak peak programming for early supporters.



BioBuilderClub goes big [biobuilderclub.org](http://biobuilderclub.org)

The BioBuilderClub expands our programming to out-of-school time. High school teams around the world will combine engineering approaches and scientific know-how to design/build/test their own project ideas. Our rallying cry: "All you need is a good idea, and we'll teach you the engineering that brings it to life."

 **BB jr. BIOBUILDERJUNIOR**

Some amazing middle school lessons ran in the context of summer camps and teacher trainings. We've been keeping this content quiet for now, but let us know if you want more details before the big release!

 **BIOBUILDER NATION  
BIOBUILDER WORLD**

This year we've had the honor of a White House invitation to be part of their Maker showcase and we've cheered as BioBuilder Global takes off. From France to Singapore to Brazil, we're seeing creative and imaginative individuals use BioBuilder to address meaningful challenges by building things.

 **BIOBUILDER IN ¾ TIME**

For every one hour of classroom learning time, there are three learning hours outside of school, and so we're thrilled to be partnering with museums to develop materials for a nationwide informal conversation called "Building with Biology." In the next year our hands-on kits will help launch synthetic biology activities and conversations in 200 museum sites around the US.

**BioBuilder**  
Educational Foundation

**A BURST OF  
GROWTH AND  
DEVELOPMENT!**

## 2015 FISCAL SUMMARY

Earned Income  
**\$20,450**

Corporate & Foundation Grants  
**\$30,547**

Government Grants  
**\$75,000**

Individual Contributions  
**\$21,225**

2015 TOTAL  
REVENUE  
**\$147,222**

2015 TOTAL  
EXPENSES  
**\$124,048**

Operations  
**\$3,178**

Administrative Costs  
**\$7,648**

Lab Programming Costs  
**\$80,000**

Other Programmatic Costs  
**\$33,222**

## BOARD

The BioBuilder Educational Foundation Board consists of a diverse group of professionals who remember that learning new things can inspire both hard work and excitement.

*Sherry Annee High School Science Teacher*

*Isadora Deese Freelance Writer and Editor*

*Karen Katz President, Brookline Interactive Group*

*Rebecca Millman Marketing & Sales Knowledge Expert,  
McKinsey & Company*

*Natalie Kuldell Founder Executive Director*

## PARTNERS AND FRIENDS



The BioBuilder Educational Foundation  
78 Dalton Road  
Newton MA 02459  
617-285-4141

web: [www.biobuilder.org](http://www.biobuilder.org)  
email: [info@biobuilder.org](mailto:info@biobuilder.org)

# BioBuilder

Educational Foundation

FY2015  
ANNUAL  
REPORT