

HELLO FRIENDS

I'm thrilled to share BioBuilder's recent accomplishments. As you'll see in this 2016 Annual Report, it has been a year that exceeded expectations, with nearly 50% growth in our operating budget. Our classroom content is in demand, both nationally and internationally. We are proud to be inspiring the next generation of scientists and engineers around the world.

And we recognize our incredible community of BioBuilder teachers who make it happen. BioBuilder is helping these award-winning educators to do their best work, supporting their professional-development and promoting their leadership.

BioBuilder thrives with longstanding support from partners like the NSF, MIT, Wards and the MA Life Sciences Center. BioBuilder is also working in new ways, thanks to corporate partners like Amazon, academic partners like Caltech, and community partners like LabCentral.

Our momentum is tremendous and the next year is our most ambitious yet. We are undertaking a comprehensive assessment of our programs, launching new curriculum, and dedicating a teaching space in Kendall Square. We are even creating a line of jewelry to complement the illustrations in the BioBuilder textbook that was published by O'Reilly Media last year!

I hope this annual report inspires you to explore and support our community. Please 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

Why is it such an exciting time to learn about Biological Engineering and be a part of BioBuilder?

Biological Engineering is taking basic engineering concepts and applying them to biology to solve the world's problems. Engineered biological systems have been used to construct materials, process chemicals, produce energy, provide food, and help maintain or enhance human health and our environment.

BioBuilder by the #s:



~ **50% growth** in operating budget of the BioBuilder Educational Foundation



65 teachers directly trained this year through our professional development workshops



Nearly **500 teachers** in our BioBuilder community in **40 states** and **20 countries**



> 4000 students engaged through BioBuilder's hands-on lab kits



~ **\$30,000** in sales of BioBuilder's textbook



NEW PROGRAM: connecting students to jobs in industry

In partnership with LabCentral and MLSC, we began a new "Apprenticeship Challenge Program." Working with 27 students from local, under-resourced schools, we saw 100% of our students complete a rigorous six-week training program. Paid summer internships were offered by local companies and labs to more than 40% of our graduates.



Building Biology in our spare time

Participation in our BioBuilderClub more than doubled. We worked with dozens of teams from around the world. In March, ten schools presented their projects at LabCentral and at Boston's Museum of Science.



Winning Awards

BioBuilder teachers are nationally recognized for their talent. Whether it's the Massachusetts STEM Teacher of the Year Award or prizes from the National Association of Biology Teachers, this year even more of our teachers were celebrated for their transformative work in the classroom.



Presenting Nationwide

BioBuilder took the stage at SxSWedu in Austin, at AAAS in DC and at MIT's SOLVE conference in Boston. BioBuilder's curriculum, teacher training and educational model were presented to filled auditoriums around the country.

Catching BioBuilder Anywhere, Anytime!

BioBuilder is now accessible in more places. As always, freely available material is on our website, including chapters from our textbook that was published by O'Reilly last year. And now Amazon is sharing our modules on the Amazon Inspire website, categorized by their alignment with NGSS.



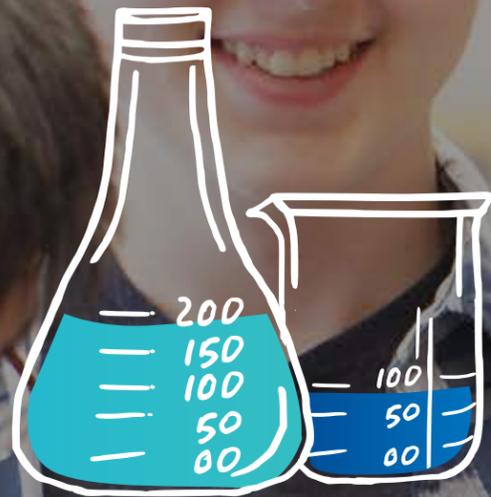
BioBuilder attracts the most incredible community: students and teachers, organizations and individuals, **working better by working together**



BioBuilder's staff doubles in size:

Carla Boon, Operations Manager
Brenda Noel, Entrepreneurial Lead
Kateryna Kozyrytska, Global Projects Manager
Stephanie Hurley, BioBuilderClub Coordinator

2016 FISCAL SUMMARY



\$197,900

2016 TOTAL REVENUE

Earned Income
\$29,700

Corporate & Foundation Grants
\$22,600

Government Grants
\$84,000

Individual Contributions
\$61,600

\$93,850

2016 TOTAL EXPENSES

Operations
\$14,000

Administrative Costs
\$2,600

Lab Programming Costs
\$60,300

Other Programmatic Costs
\$16,950

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.

Isadora Deese *freelance writer and editor, MIT*

Kathryn Hart *research instructor, Washington University in Saint Louis*

Karen Katz* *lawyer and business adviser, Brookline Interactive Group*

Natalie Kuldell *BioBuilder Founder and Executive Director*

Rebecca Millman *marketing and sales knowledge expert, McKinsey*

Rebekah Ravgiala *teacher, Tyngsborough High School*

Valerie Tutson *storyteller and community organizer, Providence RI*

**ending term on Board*

PARTNERS AND FRIENDS



BioBuilder

Educational Foundation

FY2016 ANNUAL REPORT

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Educational Foundation

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