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.

NEW PROGRAM:
connecting students to jobs in industry
In partnership with LabCentral and MLSC, we began a new “Apprenticeship Challenge Program.” Working with 247 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 Media last year! Amazon is sharing our modules on the Amazon Inspire website, categorized by their alignment with NGSS.

BioBuilder by the #s:

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

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

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

65 teachers directly trained this year through our professional development workshops

~ $30,000 in sales of BioBuilder’s textbook

BioBuilder’s staff doubles in size:
Carla Boon, Operations Manager
Brenda Noel, Entrepreneurial Lead
Kateryna Kozyrtska, Global Projects Manager
Stephanie Hurley, BioBuilderClub Coordinator

BioBuilder attracts the most incredible community: students and teachers, organizations and individuals, working better by working together.
2016 FISCAL SUMMARY

$197,900 2016 TOTAL REVENUE
$93,850 2016 TOTAL EXPENSES

Earned Income $29,700
Corporate & Foundation Grants $22,600
Government Grants $84,000
Individual Contributions $61,600

Operations $14,000
Administrative Costs $2,600
Lab Programming Costs $60,300
Other Programmatic Costs $16,950

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 Kuidelt 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

2016 TOTAL EXPENSES
$93,850

2016 TOTAL REVENUE
$197,900

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