



Total REVENUE

\$584K

Earned Income
\$71,000

Investment Income
\$8,000

Corporate and
Foundation Grants
\$95,000

In-Kind Donations
\$356,000

Individual
Contributions
\$54,000

2019-20 FISCAL SUMMARY

Total EXPENSES

\$627K

Salaries
\$114,000

Operational Expenses
\$67,000

Lab Programming Costs
\$417,000

Other Costs
\$29,000

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, General Counsel, Neurimmune Therapeutics

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



BioBuilder
Educational Foundation

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

ANNUAL REPORT 2020



DEAR FRIENDS

Science took center stage in 2020, and it has humbled us all. And as we enter the ninth month of life with Covid-19 here in the United States, we've watched the world enrolled in a crash course about life science, realizing that while we know a great deal about biology, it is still not enough. In the midst of this challenging time, it's become clear how much we depend on science and engineering to solve major global challenges.

This year has also demonstrated how vital education is to every aspect of our lives. Schools hit the brakes on in-person learning last March, revealing all that we took for granted when students and teachers were together in classrooms. Now, as the world test drives new models for remote and hybrid learning, we can see more of the pressures, inequities, and burdens on districts and school communities.

And yet, at the close of 2020, BioBuilder is more encouraged than ever. Despite all the disruptions and uncertainty, we know that the next generation remains in the driver's seat, eager to solve the world's daunting challenges by re-engineering cells and building with biology. As you look at our annual report, please take special note of how we accelerated our plans for online programming. Our IDEA ACCELERATOR, our SEMINAR SERIES, and our BIOCAREER INTERVIEWS have successfully engaged students around the world in advanced life science and engineering.

I am truly thankful for all who stepped up to help when students and teachers needed us most. We gratefully acknowledge BioBuilder's wonderful staff, donors, sponsors, granting agencies, and partners. They buckled up to support meaningful STEM education, helping BioBuilder do what we do best. And if you're wondering if there are still ways to help, I say, "Of course, jump in!" We are on a mission, and there are more ways than ever that you can speed our work along.

Wishing you good health
and great happiness,



Natalie Kuldell, PhD
Founder and
Executive Director,
BioBuilder Educational
Foundation

BioBuilders are
teaching and
learning in

47

states
and

54

countries



84%

of students
participated in our
online programs
at no cost

**"THIS
EXPERIENCE
REALLY
OPENED MY
EYES TO THE
WORLD OF
SYNTHETIC
BIOLOGY"
STUDENT**

**"THANK YOU,
BIOBUILDER,
FOR INSPIRING
THE SCIENCE
SUPERHEROES"
- EDUCATOR**

More than

500

high school students,
teachers and bioengineer
mentors participated in this
year's BioBuilderClub,
resulting in 15 peer-reviewed
publications

Our BioBuilder
Textbook sold
more than

500

copies and was translated
by O'Reilly Media into
Japanese and Russian



**HA REY CURIOSITY
AWARD**



**2020 STEM
TRAILBLAZER AWARD**

1

BioBuilder Workshop
prepared all the
teachers at
Dobyns-Bennett High
School in rural
Tennessee to bring
BioBuilder to ALL their
students this year

**"THE
BIOBUILDER
BOOK IS A
MUST HAVE
FOR CITIZEN
SCIENTISTS
AND SCIENCE
EDUCATORS"
- REVIEWER**

Three cheers for

2

awards received by
BioBuilder's Founder,
Dr. Natalie Kuldell.

**"IT'S A GAME
CHANGER FOR
STUDENTS TO
BE DOING WHAT
SCIENTISTS DO"
SCHOOL
ADMINISTRATOR**