



BioBuilder
Educational Foundation

EDUCATION FOR THE (R)EVOLUTION OF BIOTECHNOLOGY

5 MINUTE READ

Summer 2023



We are on the cusp of the fourth industrial revolution, powered by biotechnology.

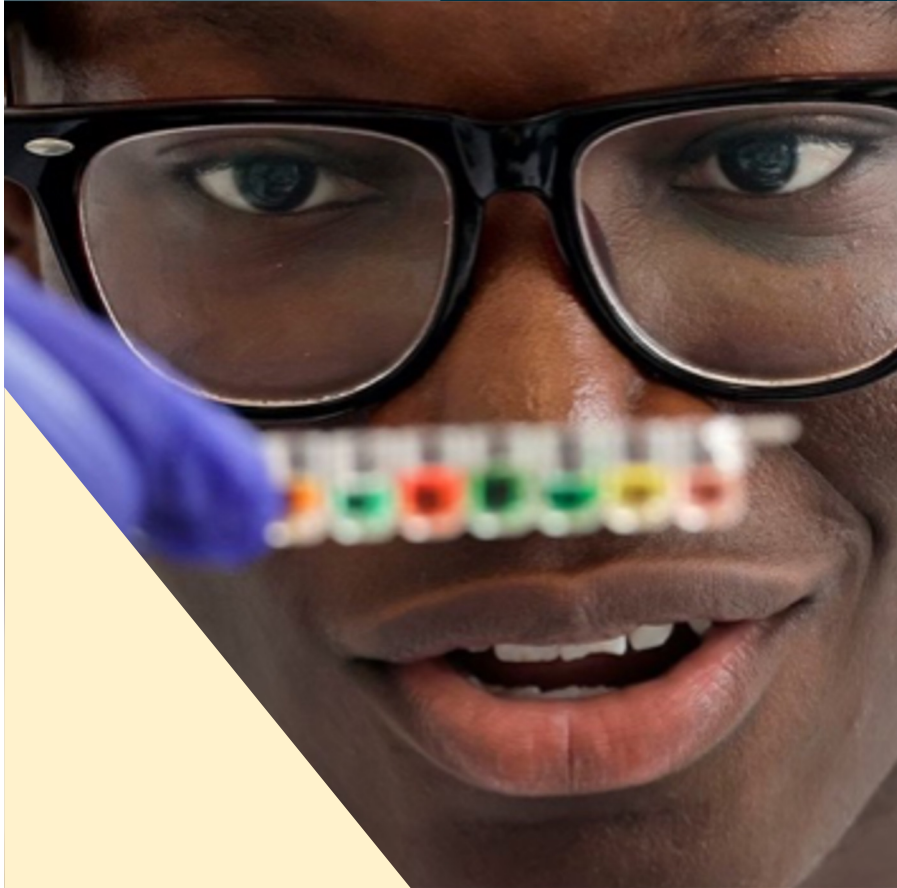
*“The biotechnology revolution will
...**improve food and energy security,**
and drive **agricultural innovation**
while mitigating the impacts of
climate change. It will ensure that
...people **live longer healthier lives...**”*

FACT SHEET: President Biden to Launch a National Biotechnology and
Biomanufacturing Initiative

The White House Briefing Room, Statements and Releases
September 12, 2022



What will it take for this revolution to succeed?



“...in the future, talent, more than capital, will represent the critical factor of production.”

Klaus Schwab

Founder, Executive Chairman, World Economic Forum

["The Fourth Industrial Revolution: what it means, how to respond"](#)



BioBuilder:

Equipping the next generation with the skills and knowledge to drive the fourth industrial revolution.



"We need to approach synthetic biology with care and promote bio-literacy. I encourage you to follow #BioBuilder who (is) the world's best at teaching students to read and write DNA."

Jason Kelly

Founder and CEO, Ginkgo Bioworks



BioBuilder delivers comprehensive life science education and workforce training to high school students, educators, and industry professionals.

"We learned much! However, the most differentiated learning was the hands on, in the lab training connecting the textbook to reality. I greatly appreciated seeing how synthetic biology comes to life through the various lab activities."

Thinking back at that BioBuilder experience, it was the first time my entrepreneurship spirit was awakened.

"I wasn't quite prepared for the impact BioBuilder was going to make, and how much it would revolutionize how I teach science, and rejuvenate me as a science educator."

"The BioBuilder curriculum takes education where it really should be, student centered and project based."

"A lot of concepts that were taught in 1st year college labs, I already knew because of my BioBuilder experience."



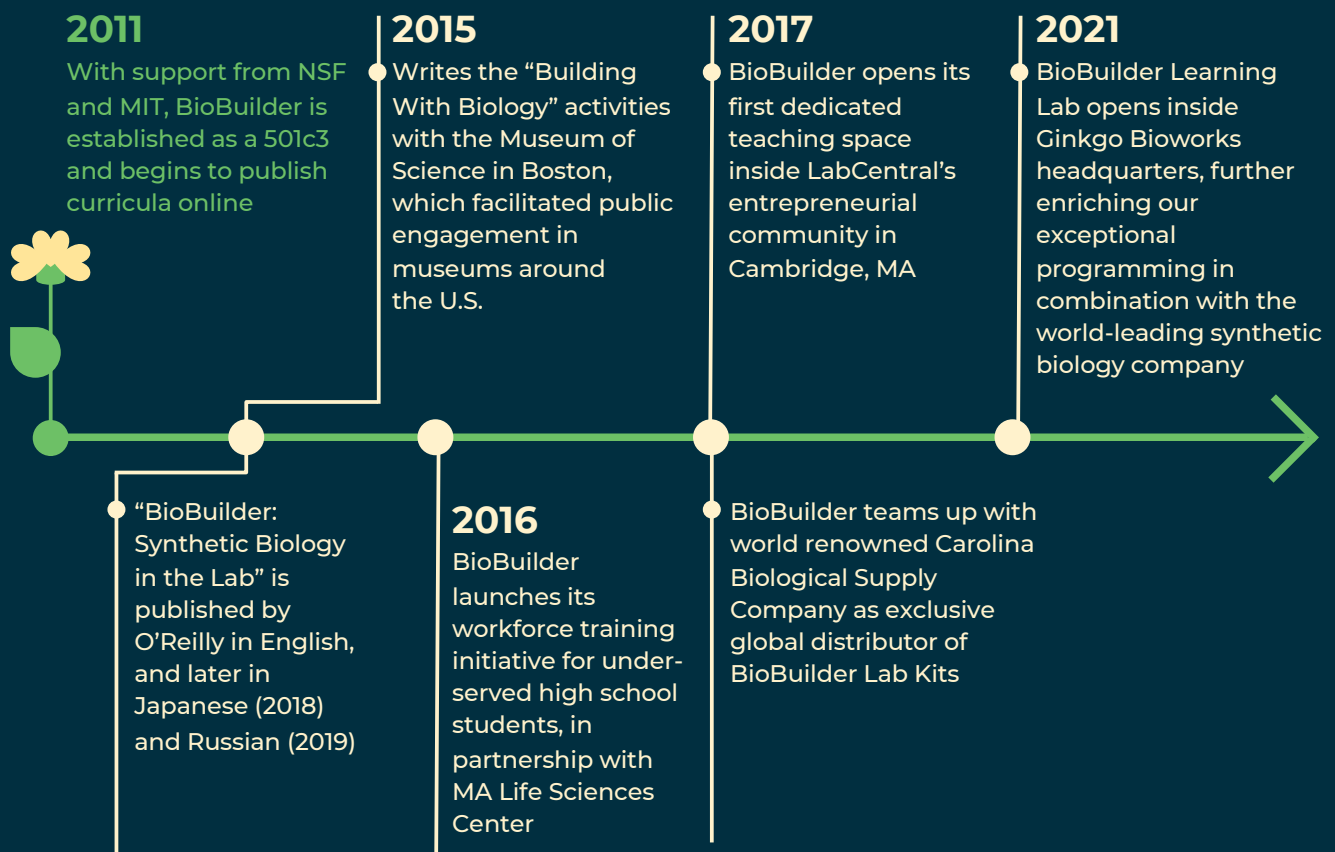
Quotes are from guests
on Life-Changing Science:
The BioBuilder Podcast



The BioBuilder Education Foundation was created by an award-winning team from MIT.

A proven curriculum that has prepared students for college and career for more than a decade.

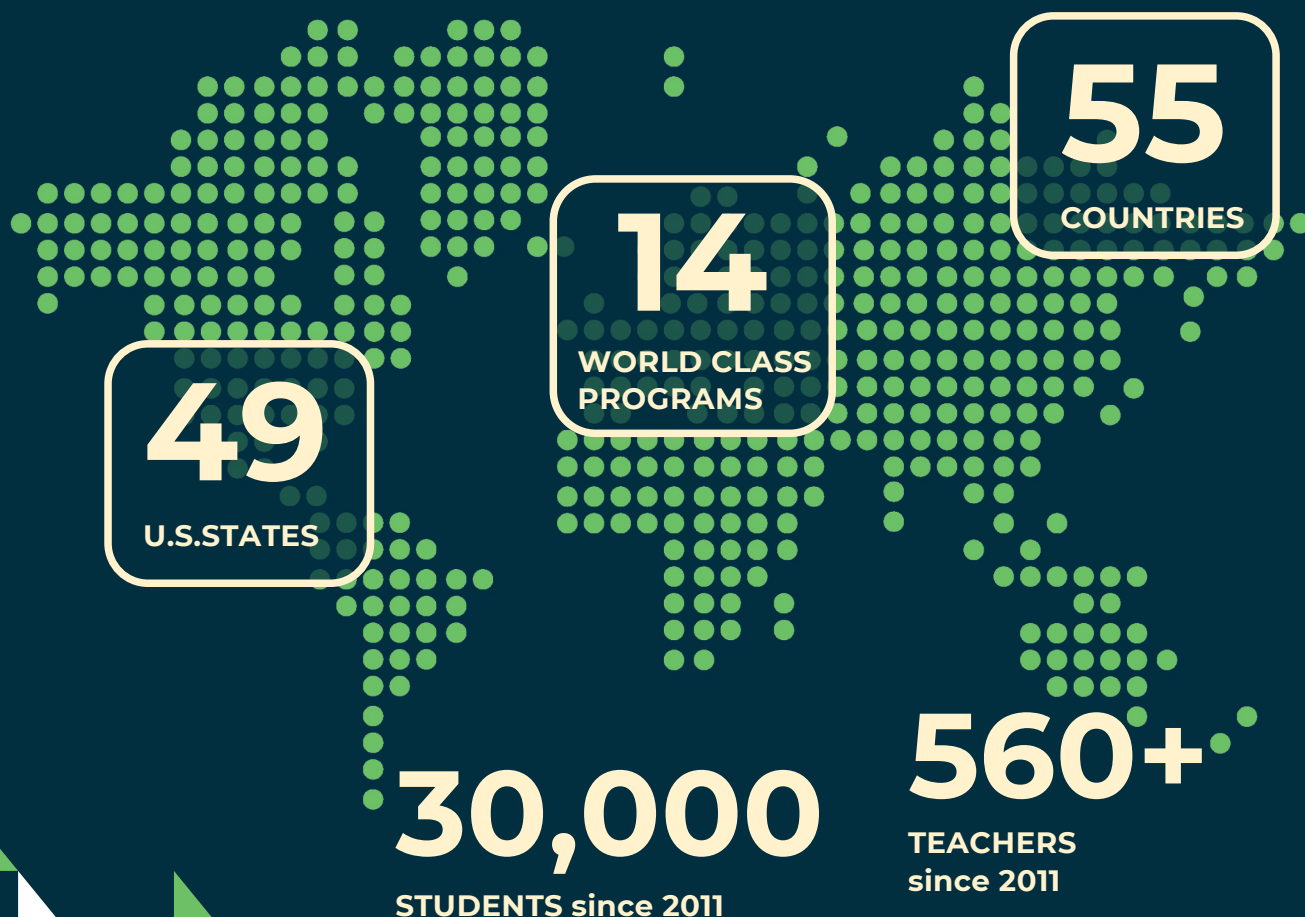
Key milestones in BioBuilder's growth and expansion





Since its inception in 2011, BioBuilder has evolved into a global presence.

BioBuilder is an established program that partners with schools in almost every state and around the world, focusing on traditionally underserved students and regions.





Teaching and learning through BioBuilder is different.

We approach many aspects of education in a way that's better suited for the next revolution.

What	Is traditionally	with BioBuilder
Learning	Passive	Engaged
Teaching	Generic	Personalized
Curriculum	Standardized	Adaptable
Assessment	Regurgitative	Creative
Environment	Competitive	Collaborative
Outcome	Degree-focused	Skill-focused





“If we teach today as we taught yesterday, we rob our children of tomorrow”

John Dewey

American Philosopher, Psychologist and Education Reformer



The BioBuilder Education Foundation cultivates the **adaptable, creative, and collaborative** talent that is necessary for us all to flourish in the biotechnology revolution.



BioBuilder's Executive Board



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U.S.STATES



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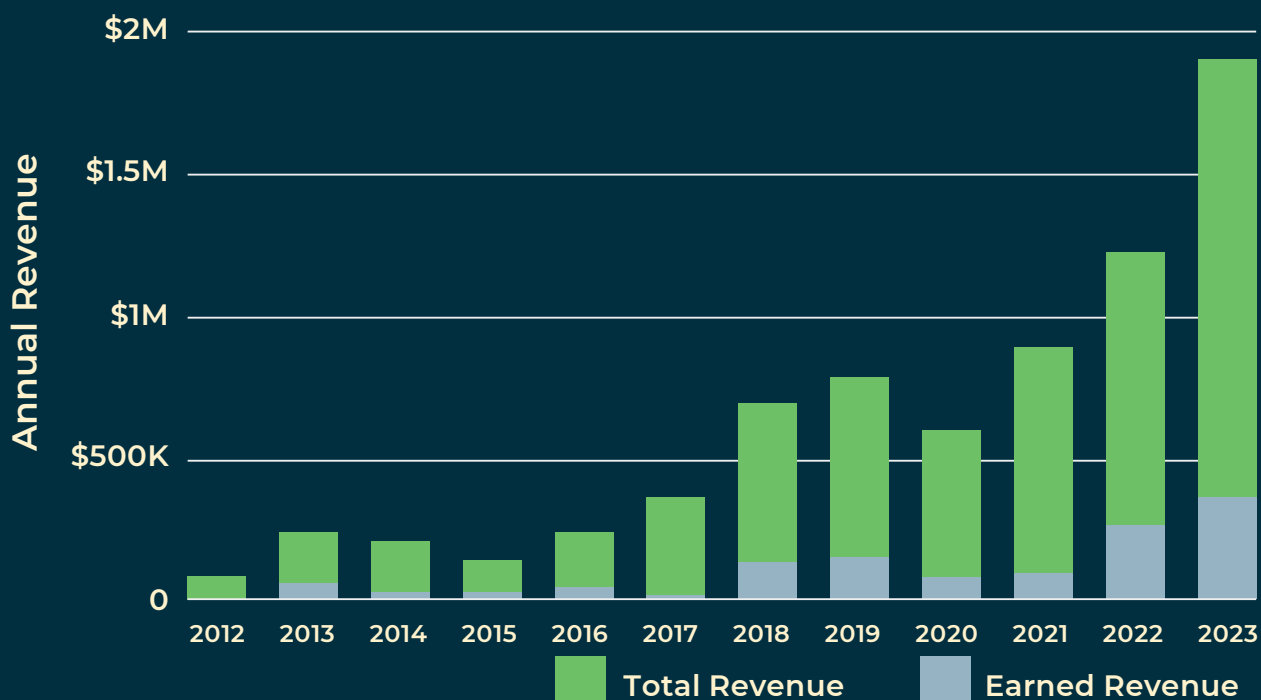


Josh Zinns

Founder, Botanic Properties



Financial Trajectory



Key Partners





BioBuilder

Educational Foundation

The BioBuilder Educational Foundation is 501(c)3 organization
TIN: 45-3844761

Website: BioBuilder.org

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Individuals and Foundations are vital partners in BioBuilder's educational mission. To discuss charitable giving, contact our Executive Director:
natalie@biobuilder.org