

Dear Friends,

As we close the book on our 10th anniversary year and look ahead to our next decade, I see how these growing up years have sharpened our focus on the future. As you'll see in this impact report, BioBuilder is reaching students, educators, and industry professionals throughout the country and around the world. This report celebrates our recent successes that are opening pathways leading to bright futures, successful careers, and a better world.

Of course we could not have done such important work were it not for the extraordinary BioBuilder community. Everyone -- from our generous supporters to our engaged partners to our energetic Board members and our unparalleled educators and staff - all have played a vital role. Together we are enriching the lives of future life science innovators by providing them with tools and programs that unlock their potential and creativity.

And today I feel more confident than any "tween" I know. I'm confident we will expand on our good work. We will continue to identify, train, and nurture young innovators. We will continue to inspire students to learn and love life science, and help them become groundbreaking leaders and thoughtful bio-citizens. We will continue to reach new regions, where partnering with community leaders can shape and strengthen the local economy. And we will continue to make our comprehensive programs even more publicly accessible, knowing that BioBuilder's educational model is essential to realize the promise of the DNA revolution.

I hope that you will join us as we grow a brighter future for us all.



With gratitude.

Natalie Kuldell, PhD

Founder and Executive Director

BioBuilder Educational Foundation



Our innovative science and engineering programs open pathways to bright futures, successful careers, and a better world.





PROGRAMS that unlock their potential as life science innovators

to build with biology

DISCOVER WAYS synthetic biology can make the world better

We inspire students to learn and love life science, opening pathways to academic pursuits and career success. But don't just take our word for it... listen to some of those who have been impacted by our programming and training.

"

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

"

"

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.

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

4

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

"

"

My experience in BioBuilder, I'd say was the main driving factor towards me deciding what I wanted to pursue in college.

"



All quotes are from this year's guests on Life-Changing Science: The BioBuilder Podcast

OUR REACH

In 2021-2022, participation in BioBuilder Programs increased by

STATES WITH BIOBUILDER TEACHERS or STUDENTS

District of Columbia Alabama Arizona California Colorado

Connecticut

Delaware

Florida

Georgia

Hawaii

Illinois

Indiana

lowa

Kansas

Kentucky

Louisiana

Maine

Maryland

Massachusetts

Michigan

Minnesota

Missouri

Nebraska

Nevada

New Hampshire

New Jersey

New York

Ohio

Oklahoma

Oregon

South Dakota

Tennessee

Texas

Utah

Vermont

Virginia

Washington

West Virginia

Wisconsin

COUNTRIES

Argentina Brazil Cameroon Canada Chile China

Japan Czechia Mexico

France Germany

Guatemala South Africa

Hong Kong India

Spain

Taiwan

Thailand

Vietnam

United Kingdom

United States

Indonesia

Italy

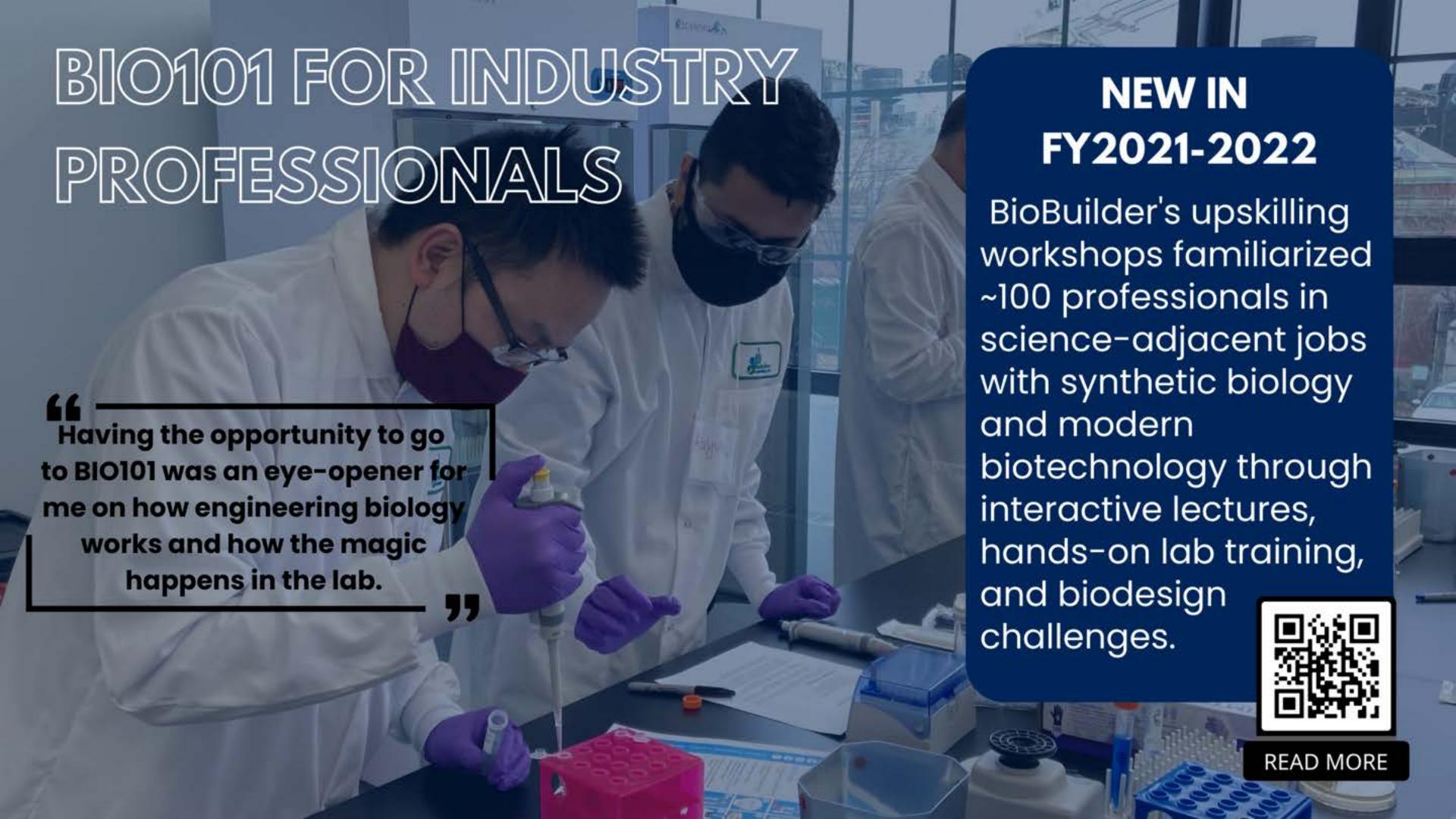
Jamaica

Netherlands

Peru



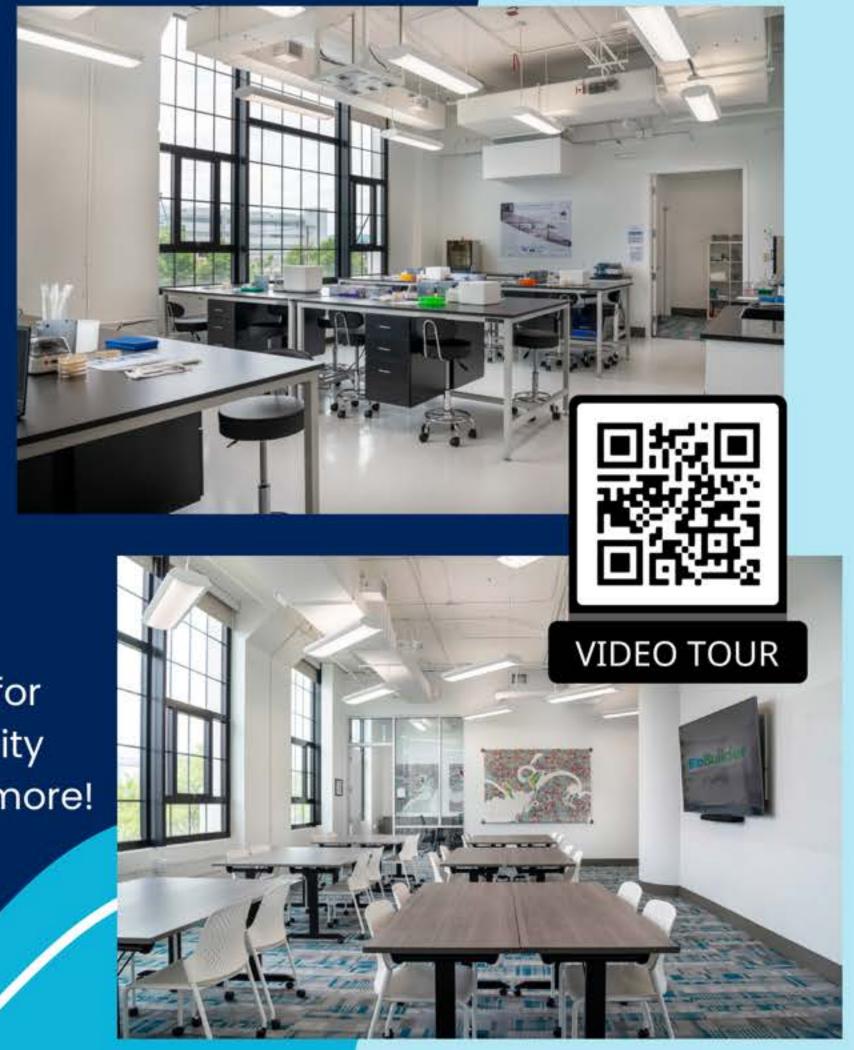
MORE ABOUT US



NEW IN FY2021-2022 LEARNING LAB @ GINKGO BIOWORKS

On July 1st we opened the doors of our new headquarters and state-of-the-art teaching lab in Boston's Seaport District.

people visited in our inaugural year for professional development, community engagement, programs and much more!



NEW IN FY2021-2022

HIGH SCHOOL

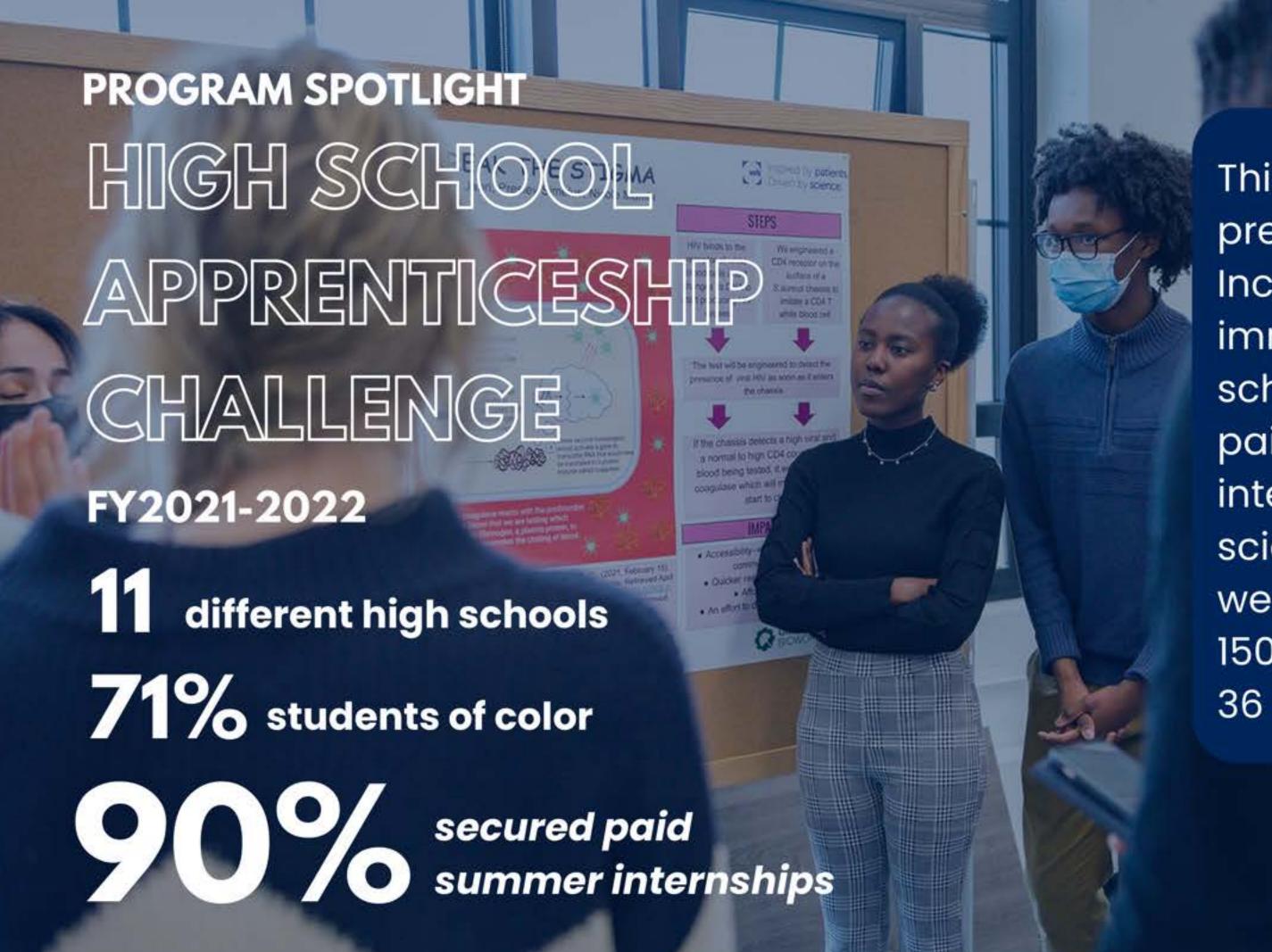
BIOTECHNOLOGY

CERTIFICATE PROGRAM

BioBuilder has adapted its classroom curriculum to emphasize career and technical skills. Students graduate high school with credentials, college credit, and workplace experience, positioning them for successful careers in today's life science industry.







This program prepares low Income or recently immigrated high school students for paid summer internships in the life sciences. Since 2016, we have accepted 150 students from 36 schools.

READ MORE

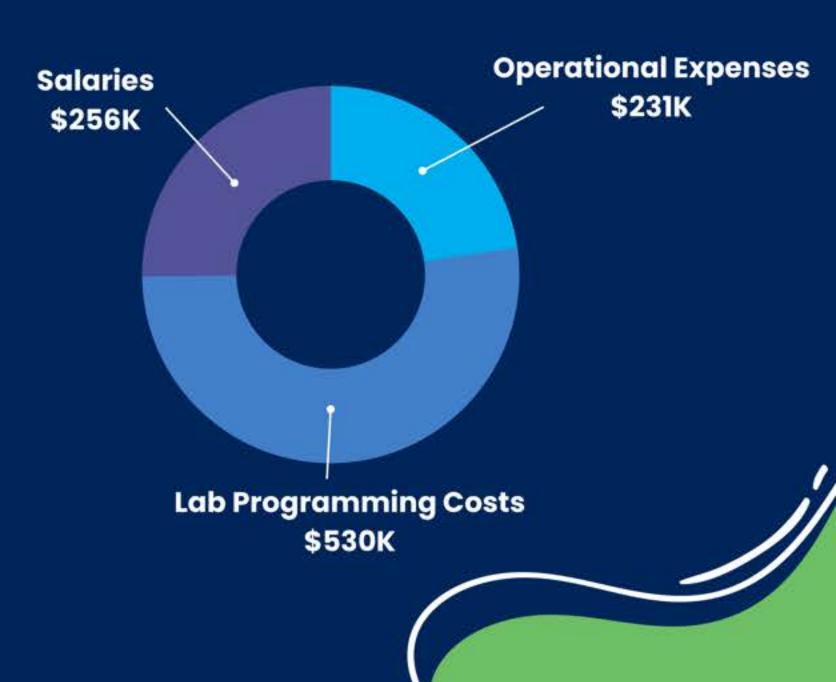
FISCAL SUMMARY

Total Revenue

\$1.2M



Total Expenses \$1M



OUR TEAM

In FY2021-2022, we welcomed five new board members.



Mary Tamer
Director, DFER Massachusetts
Board President



Natalie Kuldell Founder, BioBuilder Executive Director



Drew Endy
Professor, Stanford University
NEW BOARD MEMBER



Kathryn Hart Professor, *Williams College*



Keira Krausz Chief Marketing Officer, Purple NEW BOARD MEMBER



Theresa Lynn United Way of Central MA NEW BOARD MEMBER



Rebekah Ravgiala Teacher, Tyngsborough HS



Don Shobrys

Director, MIT VMS

NEW BOARD MEMBER



Valerie Tutson Storyteller, Providence RI



Josh Zinns Founder, Botanic Properties NEW BOARD MEMBER

FY2021-2022 **Partners**











Investing in the State of Innovation

































