



2020 CHAMPIONS FOR BIOTECHNOLOGY EDUCATION

5th Annual Awards Reception
November 18, 2020 • 6:00pm - 7:00pm

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SANOFI GENZYME





2020 CHAMPIONS FOR BIOTECHNOLOGY EDUCATION

Agenda

5:30 - 6:00 PM

Networking Reception

6:00 - 7:00 PM

Awards Reception

Welcome Remarks

Sunny Schwartz, Executive Director, MassBioEd
Chris Murphy, VP, Viral Vector Services, Thermo Fisher Scientific

East Boston High School

Champion School

Joshua Boger Innovative School of the Year

Presented by

Senator Joseph Boncore, First Suffolk and Middlesex District
Representative Adrian Madaro, First Suffolk District

Sarah Goldberg

Biotechnology Teacher, New Mission High School

Champion Educator

Henri A. Termeer Educator Grant Recipient

Presented by

Bill Sibold, CEO, Sanofi Genzyme
Robert Coughlin, President & CEO, MassBio

Biogen

Champion Organization

Kate Dawson, SVP, Therapeutics Development Unit & Chair of the Biogen Foundation
Chris Leibman, SVP, Value and Access, Biogen

Presented by

Secretary Rosalin Acosta, Labor and Workforce Development,
Commonwealth of Massachusetts

Camila Wendorff

Framingham State University Transfer Student from MassBay Community College

Champion Student

Henri A. Termeer Student Scholarship Recipient

Presented by

Belinda Termeer, Chair and Co-Founder of The Termeer Foundation

7:00 PM

Silent Auction Closes



East Boston High School

Champion School

*Joshua Boger Innovative
School of the Year*

East Boston High School (EBHS) had a recognized Biotechnology Career and Technical Education (CTE) Pathway, which they have developed in collaboration with their teachers and industry partners. East Boston partnered with MassBioEd and Massachusetts Life Sciences Center to support grant initiatives to build a state-of-the-art biotechnology lab, provide professional development to teachers in the Biology department, and much more. Because of these diverse and supportive partnerships, the EBHS Biotechnology CTE pathway can incorporate a comprehensive array of labs to teach students the skills necessary to ensure success in college and future careers in science. Creating meaningful experiences in the life sciences that excite, engage, and empower students is core to the mission of the science department at East Boston High School, where they believe that exposing students to rigorous authentic STEM experiences will help eliminate the opportunity gap that many of their students experience.



I am honored that East Boston High School has been awarded the 2019 BioTeach Innovative School of the Year Award from MassBioEd. MassBioEd has been an essential partner in helping all teachers at East Boston High School learn biotechnology skills and incorporate biotechnology experiments into their classrooms. I am truly proud of the science educators at East Boston High School. Their teamwork, professional growth and dedication ensures all students in our school have access to authentic, rigorous science learning.

Amanda Dillingham, *Science Director at East Boston High School.*





Sarah Goldberg

Biotechnology Teacher,
New Mission High School

Champion Educator
*Henri A. Termeer Educator
Grant Recipient*

Sarah Goldberg discovered her love of science experiments and research at a young age. With this career path in mind, she pursued a Bachelor of Science in Biochemistry degree at Northeastern University where she also worked in various labs ranging from molecular genetics to organic chemistry to cancer immunology. She also got to dip her toes in the pharmaceutical industry by taking part in a co-op/internship at Sanofi-Genzyme in peptide chemistry. After graduating as a part of Northeastern's Class of 2015, she went on to work at Boston University Medical School and Boston Children's Hospital in immunology labs that focused on developing therapies for conditions such as type 1 diabetes and chronic rejection of transplants. Post these experiences, she went on to get her Master's in Education through the Teach Next Year Program at UMass Boston and was a student teacher at Charlestown High School. She currently is the Biotechnology teacher at New Mission High School, where she develops the curriculum for the program and teaches both Biotechnology 1 and 2.



I couldn't have been luckier in my transition from the lab research to teaching when I was hired by New Mission to help create and teach the Biotechnology program. My students inspire me every day with their desire to understand phenomena in the world around and inside them as well as how we could use that knowledge to help others. MassBioEd has been essential as a collaborative partner in creating a curriculum and providing opportunities where the students can experience what they are learning "hands-on", expand their horizons of what they originally thought they could do, and see themselves as a scientist in the lab.





Biogen

Champion Organization

Biogen is driven by their commitment to patients and their passion for neuroscience. As one of the world's first global biotechnology companies, Biogen discovers, develops, and delivers worldwide innovative therapies for people living with serious neurological and neurodegenerative diseases as well as related therapeutic adjacencies. The company is dedicated to inspiring the next generation of scientists through equitable access to STEM education. Since 2002, the Biogen Foundation has been committed to sparking a passion for science and discovery, supporting effective science education initiatives, and strengthening efforts to make science education and science careers accessible to diverse populations. The Community Lab is a signature example of the company's commitment to STEM education, serving over 55,000 students from groups historically underrepresented in science with hands-on learning. Most recently, Biogen launched its Virtual Community Lab curriculum in collaboration with Lemelson-MIT to bring online lab simulations and mentoring experiences focused on biotechnology and neurological diseases, such as Parkinson's disease, to students and teachers. In 2018, the Biogen Foundation also launched the STAR initiative, an investment of \$10 million to help catalyze the development of local STEM ecosystems and drive education equity in Cambridge and Somerville. Biogen and the Biogen Foundation are also valued MassBioEd partners, granting over \$250,000 over the past ten years.



**Congratulations to Biogen on receiving the
2020 MassBioEd Champion Organization Award for
their longstanding commitment to advancing innovative
and equitable science while continuing to expand their
efforts in STEM educational programming.**

Secretary of Labor and Workforce Development Rosalin Acosta





Camila Wendorff

Framingham State University
Transfer Student from MassBay Community College

Champion Student
*Henri A. Termeer Student
Scholarship Recipient*

Camila is an international student from Brazil. She began her college career at MassBay Community College where she earned her Associate's in Biotechnology and transferred to Framingham State University where she continues her studies in Biology with a concentration in Biotechnology and a focus in cancer studies. She was inspired to come to the U.S. by her grandmother who struggled with cancer and whose illness motivated her to pursue cancer research. In her memory, Camila plans to continue her academic studies in graduate school, focusing on cancer research.



I am very honored to receive the first Henri A. Termeer Student Scholarship Award. This transfer scholarship represents the start of a new chapter of my academic career where I've been supported and acknowledged from day one. I am thankful for this opportunity and the motivation it has given me towards my academic career.





What Your Support Means

- \$1,000** Student Set of Biotech Equipment
- \$500** College & Career Exploration for 50 Students
- \$250** Lab Kits for a Class of 24 Students
- \$100** Individual Set of Student Micropipettes
- \$50** Stipend for Teacher to Attend Professional Training

Thank You Package

Donations of **\$100** or more will receive:

- MassBioEd branded mask
- Test Tube Mints
- Water Bottle

Donations of **\$500** or more will receive:

- 3 MassBioEd branded masks
- Test Tube Mints
- Water Bottle
- UV iPhone sanitizer



MassBioEd

About

Our mission is to build a sustainable life sciences workforce in the region through educational programs that engage and excite teachers, inspire and propel students, and illuminate the pathway from the classroom to careers.

Massachusetts Biotechnology Education Foundation, a non-profit organization, was founded in 2001 by the Massachusetts Biotechnology Council with the goal of growing and developing talent in the Massachusetts life sciences workforce. In this time we have evolved into a key link connecting students, educators, and professionals to the exciting opportunities within the life sciences industry.





MassBioEd

2019-2020 Impact



150

teachers from 87 schools participated in free professional training



10.5K+

students engaged in inquiry-based biotechnology lab activities



900+

students from 28 schools engaged in college and career exploration experiences



370+

academic & industry professionals accessed the 2019 MA Life Sciences Employment Outlook



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