

20
YEARS



2021 CHAMPIONS
FOR BIOTECHNOLOGY EDUCATION

MassBioEd
6th Annual Awards Reception
October 26, 2021 • 5:30pm - 7:30pm
UMass Club • Boston

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MassBioEd



2021 CHAMPIONS FOR BIOTECHNOLOGY EDUCATION

About MassBioEd

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 career with a focus on expansion, opportunity, and diversity.

In 2001 the Massachusetts Biotechnology Council (MassBio) founded the Massachusetts Biotechnology Education Foundation (MassBioEd), a non-profit 501(c)(3) education foundation, to address the workforce needs of the Massachusetts life sciences industry. This year, we celebrate our 20th Anniversary and the evolution of our programs.

Our programs and services are designed for success. The cornerstones of our work — BioTeach and BioTalent — are inter-connected programs that ignite student interest and cultivate a field of diverse experts committed to solving some of the world's most vexing challenges. We are proud of our past two decades and look forward to an exciting future. The need to educate the next generation, illuminate the myriad of career opportunities to underserved communities, and bring in new skilled workers is more important than ever.



20TH Anniversary Host Sponsors

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2021 CHAMPIONS FOR BIOTECHNOLOGY EDUCATION

Agenda

Networking and Refreshments

Welcome

Sunny Schwartz, Chief Executive Officer, MassBioEd

Guest Remarks

Governor Charlie Baker

Champion Organization

Bristol Myers Squibb

Presented by: **Governor Charlie Baker**

Accepted by: **Emma Lees, Ph.D.**, SVP, Oncology Discovery Biology, and Head, Mechanisms of Cancer Resistance, Bristol Myers Squibb

Champion School

Joshua Boger Innovative School of the Year Award

Everett High School

Presented by: **Joseph Boncore**, Chief Executive Officer, MassBio

Champion Teacher

Henri A. Termeer Educator Grant

Stacey Chapley

Frontier Regional High School

Presented by: **Tom Snow**, Global Franchise Head, Neurology and Immunology, Sanofi Genzyme, and Director, MassBioEd Board

Champion Student

Henri A. Termeer Student Scholarship Recipient

Rim Bozo

Pioneer Charter School of Science & Dartmouth College

Presented by: **Belinda Termeer**, President and Co-Founder of The Termeer Foundation

Closing

Christopher Murphy, Vice President and General Manager, Viral Vector Services, Thermo Fisher Scientific, and Chair, MassBioEd Board

Networking and Dessert



Bristol Myers Squibb

Champion Organization

Bristol Myers Squibb has shown a long-term commitment to STEM education in all the communities where they are based, helping middle school, high school, and college students explore their interests in science and technology by visiting classrooms, participating in science and career fairs, and serving as judges at regional and statewide science and technology competitions. In Cambridge, BMS employees volunteer their time with the Biomedical Science Careers Program, a non-profit organization that supports academically outstanding students, particularly within historically underrepresented communities. Cambridge employees also serve as mentors as part of Science Club for Girls after-school programming. In addition to hosting an annual Career Exploration Day for high school students, the biologics manufacturing facility in Devens welcomes younger children each year for a “Scientist for a Day” event with Big Brothers Big Sisters of Central Massachusetts & MetroWest. Since 2017, the Devens Chapter of the BMS Network of Women (B-NOW) has hosted Women in Chemical Engineering (ChE) Day. BMS has supported MassBioEd for years by hosting Career Exploration Days and through their hardworking employee volunteers who serve as Career Ambassadors, as well as providing support through grants. Most recently, BMS was the first lead funder to support MassBioEd’s Life Sciences Apprenticeship Program and remains the largest employer partner of the first cohort of apprentices.



We’re honored to be recognized as one of MassBioEd’s 2021 Champions for Biotechnology Education. Solving the most significant challenges facing patients is an all-hands-on-deck effort. That’s why Bristol Myers Squibb is so invested in ensuring the next generation of scientists and innovators have opportunities to enter the field.

Emma Lees, Ph.D., *Site Leader and Head, Mechanisms of Cancer Resistance Thematic Research Center, Bristol Myers Squibb, Cambridge, MA.*



Everett High School



Champion School *Joshua Boger Innovative School of the Year*

Everett High School is committed to engaging students in hands-on biotechnology experiences and has been a participant in MassBioEd's BioTeach programming for many years. Everett High School began implementing biotechnology activities as an addition to their Honors Biology classes, and have since expanded to include biotechnology labs in regular biology classes as well as biotechnology electives. After the success of their initial Biotechnology 1 elective, they were awarded a grant from Massachusetts Life Sciences Center to expand their biotechnology program. Everett High now offers three levels of Biotechnology classes and a STEM pathway that includes biotechnology along with engineering, computer science, and robotics classes. Many of their students who complete biotechnology courses are accepted into programs such as the LEAH Knox Scholars, the Harvard Health Professions Recruitment & Exposure, and the Forsyth Student Scholars, where they are applauded for their strong lab skills and content knowledge. A large number of Everett High School students go on to attend college for life sciences and biotechnology.



We are honored that Everett High School has been awarded the Joshua Boger Innovative School of the Year Award by MassBioEd. From our very modest start many years ago, MassBioEd has been a key partner providing training for staff and equipment grants to help us build our program and resources that are invaluable to our continued growth and success. The support of MassBioEd has been essential in the development of our Biotechnology Pathway and our state recognized STEM Innovation Pathway.

Nancy Cianchetta, Science Teacher, Everett High School and students.





Stacey Chapley

Teacher,
Frontier Regional High School

Champion Educator

*Henri A. Termeer Educator
Grant Recipient*

Stacey Chapley has been a classroom teacher for six years, five as a permanent science teacher. She teaches Biotechnology, Biology, AP Biology, Science and Technology, and Forensic Science. Stacey plays a lead role in implementing MassBioEd's ACCESS program within Frontier Regional School, working closely with the BioTeach team. Since taking her first class with MassBioEd three years ago, she has regularly sought out opportunities to deepen her own knowledge of biotechnology and bring interactive, hands-on lab experiences to her students. Her hard work and dedication led to the implementation of Frontier Regional's first ever Biotechnology class. In addition to her work in the classroom, Stacey is creating an after-school science club to further engage students in science. The Henri A. Termeer Foundation supports the MassBioEd Champion Teacher Award with a \$2,500 grant to be used towards the purchase of equipment and supplies for life sciences education programs.



I want to thank the selection committee of the Henri A Termeer Award. I am so lucky to work in a field that keeps me learning and engaged. Whitney and Michelle of MassBioEd are the epitome of sharing and I am inspired by their creativity to make biotechnology engaging and inquiry based. Students respond when they are learning 'real world' skills and knowledge. I would not have been able to bring a biotechnology course to Frontier without the help of MassBioEd. The generosity of the industry to support such a great organization is so wonderful, especially knowing science literacy is more important than ever.





Rim Bozo

Pioneer Charter School of Science
& Dartmouth College

Champion Student

*Henri A. Termeer Student
Scholarship Recipient*

Rim was born in Morocco and moved to the United States as a young child. She graduated from Pioneer Charter School of Science in June 2021 and began studying Neuroscience and Biological Anthropology at Dartmouth College this fall. Rim is a dedicated, hardworking student who is passionate about healthcare equity. As a LEAH Knox Scholar, she held several internships in science and was involved in teaching STEM lessons to children in the Boston Public School community and after-school programs. Her interest in STEM combined with her personal experience of the inequalities in the healthcare system has inspired her to strive to become a force for positive change in the medical field. The Henri A. Termeer Student Scholarship recognizes a student committed to excellence and who aspires for a future career in the life sciences and provides \$2,500 towards college tuition.



I am beyond grateful to be supported by the indomitable team of the Henri A. Termeer Scholarship. This scholarship represents a step towards my never ending pursuit in scientific discovery, hope towards helping others, and work amongst future generations to make equitable care the new norm. I am thankful for this opportunity and its endeavor to support students like me in their pursuit of a college education.





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