



THE STEAM ENGINE

EMPOWERING UNDERREPRESENTED STUDENTS TO THRIVE IN STEAM

PARTNER PROFILE: BACON BIO

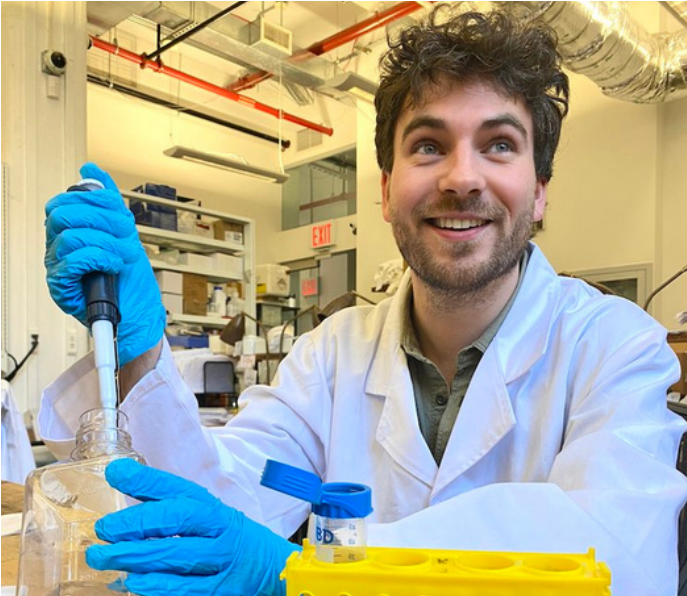


Photo: Chief Scientist Avery Kravitz hard at work in his lab at Harlem Biospace.

Harlem Biospace has become a beacon of hope for biotech startups by creating an affordable ecosystem of innovation in NYC. Bacon Bio, a company that aims to design and cultivate scalable lab-grown meat cell lines for a consumer-focused food product, is an early-stage venture that is reaping the benefits. Avery Kravitz, Bacon Bio's Chief Scientist, is defining the company's methodology and R&D. Growing up, he felt that STEM was inaccessible to him, which motivated him to become a Hk elementary instructor. Thank you to Avery for his passion about inspiring the next generation of scientists!

WEST END LABS

Elevate Research Properties (ERP) is generously donating space at its newest development, West End Labs. This high-performance research building will be the site of our STEAM camp and our 10th Anniversary Gala this fall. They are also connecting our students to lab tours and training opportunities that expose them to high-tech careers. In so many ways, ERP has shown their dedication to helping community members most in need of their resources.



Photo: West End Labs. Rendering courtesy of Taconic Partners.

INTERN HOSTS NEEDED

Are you a practicing research scientist or healthcare professional? You could provide a life-changing experience to an underrepresented high school student that sets them on a path towards career success and financial security. [Click here](#) to learn more.

HYPOTHEkids Happenings

NEW PARTNERS

STEAM NYC

The infrastructure and landmarks of New York City provide great subjects for engaging engineering lessons. This spring break HYPOTHEkids presents STEAM NYC: Exploring Engineering, a week-long camp for middle school students located at the city's newest life science hub, West End Labs, and offered in partnership with STEM Matters NYC. Campers will be exposed to a variety of engineering fields through group projects and guest lecturers and craft a model of NYC that illustrates their learning.

NJ Public Library

Hk is heading across the Hudson to launch K-8 STEAM programs in NJ for the first time. Our first stop is the Jersey City Free Public Library.

MORE PROGRAMS

STEAM EDU

We are thrilled to announce STEAM EDU, a STEAM educator training and paid internship program for high school students. In collaboration

with ExpandED Options, we are launching this program at Midwood High School. In addition to earning one academic credit, students will learn techniques to be an effective educator. Successful participants are then placed at various summer camps where they gain experience by teaching Hk Hands-on Science lessons to K-5 students.



Photo: High school student conducting a balloon hovercraft experiment with K-5 students.

Bioforce @ HPHS

We just launched New York Bioforce, our renowned science research training and internship program, at the High School for Health Professions and Human Services! Students on this school's science research track will receive hands-on instruction from Columbia and Rockefeller University PhD students, as well as visits from expert scientists who will share their research projects and career journeys. HPHS students also get the opportunity to tour the New York STEM Cell Foundation and West End Labs. Successful program

completion leads to paid summer internships at research and health care institutions. [Email us](#) if you'd like to bring NY Bioforce to your school.



Photo: NY Bioforce students practicing proper pipette technique with serial dilutions.

Boys & Girls Club

The Boys and Girls Club of Harlem is the first beneficiary of our virtual training series. Our new digital train-the-trainer model lets them learn how to teach Hk lessons on their own time, providing greater flexibility and easier access to our programming.

Alumni Program

We are ready to embark on a new chapter that will further develop a vibrant alumni community. We invite all Hk high school program graduates to join us on this exciting journey of networking, career development, and paying it forward. Stay tuned for updates!

COMING SOON!



HUMAIRA CHOWDHURY

ALUMNI SPOTLIGHT

Congratulations to our NY Bioforce 2023 alumna, Humaira Chowdhury, who was recently accepted into Columbia University! She says, "I loved my time at Bioforce for the professional growth I acquired in a field that I love and for the invaluable lifelong mentors I gained. I was surrounded by passionate, intelligent and kind individuals who fueled my success and motivation. Being part of Hk and the lab helped me more than anything else."



Marisa Mitchell
Fasciano

A MESSAGE FROM THE EXECUTIVE DIRECTOR

A highlight of my job is interviewing applicants to our high school programs, and I often ask what motivates them to pursue STEAM. Some are drawn to medicine because of a family member's illness. Others are fascinated by how things are made and want to invent machines that improve lives. They all have a passion for growth and innovation, which is inspirational as Hk itself grows our partnerships and innovates our programming.