

HARVARD
MEDICAL SCHOOL

MEDscience
Program

Career Exploration Opportunities for High School Students

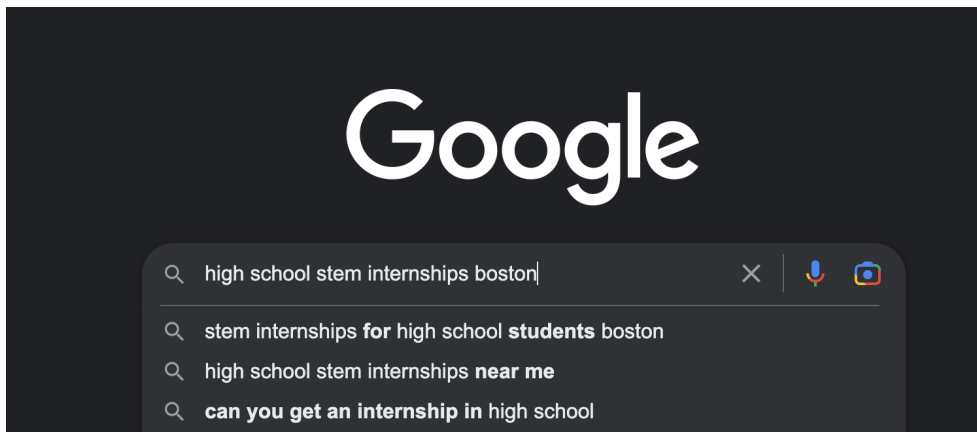
Dear Student,

The greater Boston area offers a wealth of resources for further experiences in the medical field. We have started you off with the attached list but please note – programs constantly change so we encourage you to **go online, make some calls, and do more research - especially about application requirements and deadlines.** Best of luck in your continued journey!

~The MEDscience team

TIPS!

- ~ Internships that offer payment are highlighted in **RED**.
- ~ There is no **one** way to find internships/volunteer work. Google is your friend! Search key-words that are relevant to you, such as “high school medical internship” or “undergraduate STEM job opportunities”. Make sure to clarify which area you are looking in for your search



Internship Application Timeline:

October-December:	December-January:	January-April:
- This is the time to start looking for summer internships. A lot of applications open during this time. - Reach out to teachers and guidance counselors to help create a list of jobs/internships to apply to. - This is a good time to ask for recommendations as well.	- Application deadlines can be anywhere within these few months. Make sure you keep track of them! - Christmas break is a great time to write essays.	- Most application deadlines are passed by this time. - Time for interviews if it is part of the process. - Decisions made around March/April.

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High School: Year-Round Opportunities

Volunteer

Beth Israel Deaconess Medical Center - Volunteer Services - ACTIVE (10/31/23)

There are a wide range of volunteer opportunities in over 50 departments, in clinical and non-clinical settings.

Timing: School year and summer opportunities available. For more information, call 617-667-3026.

Commitment: Total of 40 hours for the duration of your service. For positions involving patient contact there may be a 6 to 12 month commitment.

Requirements: Submit a volunteer application (download from website) and two letters of recommendation. Must be at least 15 years old

Contact: [Sarah Quinones-Myers](#)

Website: <http://www.bidmc.org/About-BIDMC/Volunteer-Services/Volunteer-Opportunities.aspx>

Newton-Wellesley Hospital - Volunteer Opportunities - ACTIVE (10/31/23)

Make a difference by assisting hospital operations in a number of areas. Go to the website to see the wide range of opportunities, and receive an informational packet about volunteering by calling Volunteer Services at 617-243-6048.

Commitment: 3 to 4 hours a week, 50 hours a year.

Requirements: Submit volunteer application. Call Office for interview following submissions

Website: <https://www.nwh.org/careers/volunteer-opportunities>

Timing: Ages 15 and up.

Boston Children's Hospital - Volunteer Services - ACTIVE (10/31/23)

Assist in the running of essential hospital operations by joining the Customer Service or Inpatient/Clinic teams, or by completing a Special Assignment. Open assignments are posted as they become available. Call 617-355-7885 for more information.

Commitment/Timing: Check website or call for open assignments; details vary depending on placement.

Website:

<http://www.childrenshospital.org/ways-to-help/volunteer-services><http://www.southshorehospital.org/volunteer>

Boston Medical Center - Volunteer Opportunities - ACTIVE (10/31/23)

Assist in hospital operations in the areas of inpatient and outpatient care for adults and children, the food pantry, and welcoming patients and guests to the hospital. Explore the opportunities on the website. Volunteers must be able to commit to one 3-hour shift per week for a minimum of 4 months. Volunteers who are able to 6 months or longer will be given priority. We do not offer any full-time volunteer positions. Volunteers must be at least 16.

Timing: Volunteers under 22 years old are only allowed to work between the hours of 9am-5pm.

Commitment: Must commit at least one 3 hour shift for a minimum of 4 months.

Requirements: Must be over 16 years old. Submit Volunteer Application and two letters of reference.

Website: <http://www.bmc.org/about/volunteer.htm>

Dana-Farber Cancer Institute - Volunteer Services - ACTIVE (10/31/23)

Explore different opportunities to help the Institute's goal of defeating cancer through research, and delivering excellent patient care. Various positions open (see

<http://www.dana-farber.org/How-to-Help/Volunteer/Opportunities.aspx>). **Summer volunteer program** also available (requires two 4-hr half days or one 8-hr full day per week for a minimum of 10 consecutive weeks, totaling 80 hours of service).

Commitment: Varies.

Requirements: Submit Volunteer Application and two references. See How to Apply link for information and documents. <http://www.dana-farber.org/How-to-Help/Volunteer/How-to-Apply.aspx>
[http://www.dana-farber.org/How-to-Help/Volunteer/How-to-Apply.aspx - junior-program](http://www.dana-farber.org/How-to-Help/Volunteer/How-to-Apply.aspx-junior-program)
Deadline: Summer volunteer forms due first Friday of April
Website: [Volunteer at Dana-Farber | Dana-Farber Cancer Institute](#)

South Shore Hospital - Volunteer Services - ACTIVE (10/31/23)

Volunteer in a variety of areas, influencing Friendly Shop or as a patient escort. Ages 16 and up. For time commitment, application process and more information call Volunteer Services at 781-624-8242.

Website: <http://www.southshorehospital.org/volunteer>

Emerson Hospital - School Year Program and/or Summer Program - ACTIVE (10/31/23)

Assist hospitals by performing a wide range of duties such as café, gift shop, newspaper/book cart, office support, reception desk, and transport. To put your name on the waiting list and inquire about other application requirements, call the Community Service Office at 978-287-3200.

Commitment: School year program - 4 hour shifts each week, 100 hours and at least one year commitment.

9am-1pm or 1pm-5pm Saturdays or Sundays

Summer program - 8 to 10 hours a week to achieve 80 hours total over the summer.

Age: 14 years or older

Website: <https://www.emersonhospital.org/support-emerson/volunteering>

Boston Area Health Education Center (BAHEC) - NOT ACTIVE

A program through the Boston Public Health Commission, BAHEC operates during the summer, in-school, and afterschool to provide a pathway to health careers. The **summer program** includes academics, college prep, and an internship at different Boston healthcare sites. The **after school academic program** trains students in health care topics and work, and students participate in a Youth Advisory Board and develop their leadership.

Location: various

Duration/Timing: Summer program is 6 wks, check online for dates. Academic programs run during the school year.

Requirements/Contact: High school students only. Email for information to apply at bahec@bphc.org

Financial Information: Summer students receive a stipend.

Website:

<http://www.bphc.org/whatwedo/Teens/boston-area-health-education-center/Pages/bahec.aspx>

Overall goals include improving health literacy, increasing disease prevention, eliminating health disparities, and educating on preparedness.

Requirements: Online orientation course and CORI/SORI Background check,

Contact: volunteer@bphc.org

Webstire: <https://www.bphc.org/workingwithus/Pages/Working-With-Us.aspx>

Internship

Boston Area Health Education Center (BAHEC) - NOT ACTIVE

A program through the Boston Public Health Commission, BAHEC operates during the summer, in-school, and afterschool to provide a pathway to health careers. The **summer program** includes academics, college prep, and an internship at different Boston healthcare sites. The **after school academic program** trains students in health care topics and work, and students participate in a Youth Advisory Board and develop their leadership.

Location: various

Duration/Timing: Summer program is 6 wks, check online for dates. Academic programs run during the school year.

Requirements/Contact: High school students only. Email for information to apply at bahec@bphc.org

Financial Information: Summer students receive a stipend.

Website:

<http://www.bphc.org/whatwedo/Teens/boston-area-health-education-center/Pages/bahec.aspx>

Museum of Science Internships - ACTIVE (10/31/23)

Interns work throughout the Museum on a wide variety of projects and tasks including everything from science education to behind-the-scenes work. An internship at the Museum of Science is an excellent way to gain hands-on, work-learn experience in a specific area of interest or field of study. High school students are eligible to apply for the listed internships, but only after completing 50 hours of volunteer work at the Museum.

Location: Museum of Science

Duration/Cost: **Choose one of three trimesters: fall, winter/spring, and summer. May be paid or unpaid, depending on the position.**

Summer Youth Internship: 7-weeks between July-August, 3 days a week

Requirements: Online application

Deadline: Rolling basis; apply in mid-November for Spring internships and mid-February for summer internships.

Age: 14-19 year olds

Website: <https://www.mos.org/internships>

Student Success Jobs Program - ACTIVE (10/31/23)

The Student Success Jobs Program (SSJP) is a year-round internship program at Brigham and Women's Hospital designed to introduce 100 Boston high school students to medical, health, and science professions. Students are matched with health care professionals who provide mentoring and serve as role models.

Location: Brigham and Women's Hospital

Duration: year-long

Requirements: Sophomore and Juniors who attend the *following* high schools are eligible to apply for SSJP:

Boston Latin Academy

Community Academy of Science and Health

Edward M. Kennedy Academy for Health Careers

Fenway High School

John D. O'Bryant School of Math and Science

Madison Park Technical and Vocational High School

New Mission High School

Contact: SSJP@partners.org // 617-264-8743

[Student Success Jobs Program \(SSJP\) - Brigham and Women's Hospital \(brighamandwomens.org\)](http://brighamandwomens.org)

Year Round

=

High School: Summer Opportunities

Volunteer

Beth Israel Deaconess Medical Center - Summer Health Corps Program - ACTIVE (10/31/23)

Explore various medical careers while gaining hands-on experience in a hospital setting through training and tours of the facility. Ages 14 to 17.

Duration/Timing: Six weeks over the summer, July to August.

Requirements: Ages 14-17. Submit an application and two letters of recommendation.

Financial Information: Inquire during the application process.

Website:

<https://www.bidmc.org/about-bidmc/helping-our-community/volunteer-services/agress-summer-health-corps>

Dana-Farber Cancer Institute - Junior Volunteer Program - NOT ACTIVE

Explore different opportunities to help the Institute's goal of defeating cancer through research, and delivering excellent patient care. You will be placed in one of the following areas: Family Resource Center, administrative and clinical departments, food cart and ambassador, or book cart and newspaper deliveries. Your assignment will be based on the needs of the hospital and your stated interests. Ages 16 to 18.

Timing: Summer

Commitment: Volunteers must serve two half days (four hours each) or one full day (eight hours each) per week for a minimum of 10 consecutive weeks, totaling 80 hours of service.

Requirements: Submit Junior Volunteer Application and two references. See How to Apply link for information and documents. <http://www.dana-farber.org/How-to-Help/Volunteer/How-to-Apply.aspx#junior-program>

Website: <http://www.dana-farber.org/How-to-Help/Volunteer/Opportunities.aspx#juniorvolprogram>

Massachusetts General Hospital - Junior Volunteer Opportunities - ACTIVE (10/31/23)

During the summer and fall, the Massachusetts General Hospital Volunteer Department offers a Junior Volunteer Program for 16- and 17-year-olds. Junior volunteers work with Mass General staff and adult volunteers and have daily contact with patients and families in a variety of hospital settings. All junior volunteers are trained as patient escorts to help patients get to their doctor's appointments or assist with escorting patients who are being discharged from the hospital. Sign up by calling the Mass General Volunteer Department on the first Monday in March (summer) or first Monday in August (fall); we will accept calls from students until the program is full or through the last Friday in March/August, whichever comes first.

Timing: Summer (eight weeks in July and August; two four-hour shifts per week) or Fall (October to April; weekly 3:30pm – 6:30pm shift)

Contact: Junior Volunteer Program by calling (617) 726-8540

Website: <http://www.massgeneral.org/volunteer/becoming/junior.aspx>

Internship

Brigham and Women's Hospital's Youth Summer Program - Active (10/31/23)

Paid internship in one of Brigham and Women's 41 departments, assisting nurses and doctors while observing their work each day in a *hybrid* format. Includes workshops and assignments to hone career skills needed for the medical profession.

Location: In Person at Brigham and Women's Hospital & Online

Duration/Timing: Summer (July-August). Exact dates given during the application process.

Financial Information: Paid

Requirements/Contact: High school students only - must be 16 by June 1st. Must be a Boston resident.

Covid vaccination required. Email bwhwfd@partners.org in **early March** for application & info.

Website:

<https://www.brighamandwomens.org/about-bwh/human-resources/workforce-development/workforce-development-youth-summer-program>

Beaverworks Summer Institute - Active (10/31/23)

The MIT Beaver Works Summer Institute (BWSI) is a rigorous, world-class STEM program for talented students who will be entering their senior year in high school. The four-week program teaches STEM skills through project-based, workshop-style courses. BWSI began in 2016 with a single course offered to 46 students, a mix of local daytime students and out of-state residential students.

Location: Zoom Virtual

Requirements: Student must be entering their senior year of high school and be nominated by a teacher or mentor

Cost: Free

Website: <https://beaverworks.ll.mit.edu/CMS/bw/bwsiapply>

COACH (Community Opportunities Advancement Children's Hospital) Internship Program

A paid summer internship program at Boston Children's Hospital for high school or college students working in patient care areas throughout the hospital. Interns will also have the opportunity to observe careers of interest, participate in job shadows, and participate in professional development workshops. More details on intern responsibilities can be found on the application link. Applications are currently open until March 25, 2022.

Location: Boston Children's Hospital

Duration/Timing: 6-week part-time (28 hours/week) internship during the summer (June 6 - August 12, 2022).

Financial Information: Paid internship

Requirements/Contact: Age 16 by March 1st, live in the Boston area, be referred to us by a partnering community organization - this would include a referral from MEDscience. Applications are due March 25, 2022. Vaccinations against COVID-19 and Flu (unless you are eligible for a medical or religious exemption). For further info email Sarah.Riordan@childrens.harvard.edu .

Link to Application:

<https://www.newenglandcouncil.com/partnerships/coach-community-opportunities-advancement-at-childrens-hospital/>

High School Health Careers Program (HSHCP)

A residential program for sophomores and juniors, HSHCP teaches students about the wide range of medical careers through various academic seminars in medicine and humanities, as well as an internship with physicians and other healthcare professionals. Upon program completion, students receive a stipend and Certificate of Achievement. Application submission begins November 15.

Location: UMass Medical School (Worcester)

Duration/Timing: Summer, 4 weeks

Financial Information: Participating students receive a stipend.

Requirements: High school sophomores and juniors only who are Massachusetts residents in a Massachusetts high school. Create an account on the Apply Now tab to apply or click the "Where to Apply" link below.

Where to Apply: <https://summeroutreach.umassmed.edu/>

National Student Leadership Conference - Medicine & Health Care

Train for a future medical career by diagnosing patients in life-like simulations, learning essential skills from surgeons, and discussing current medical issues with classmates, while also receiving tours of medical facilities and lectures by renowned professionals. Enrollment opens mid-October.

Location: Taught at Harvard Medical School

Duration/Timing: Summer; 9 day sessions

Requirements: Current high school students with at least a "B" average. Application includes essay, teacher recommendation, high school transcript, list of extracurriculars.

Deadline: Mid-March

Financial Information: Tuition is \$3,195. Scholarships requiring application offered.

Website: <http://www.nslcleaders.org/youth-leadership-programs/summer-medical-programs/>

National Youth Leadership Forum: Medicine

Treat life-like mannequin patients in emergency simulations, attend seminars taught by medical professionals, tour medical schools and facilities, and observe a surgery while talking to the surgeon in real time.

Location: Tufts University

Duration/Timing: Summer; 9 day sessions (June 11-June 19, June 23 - July 1)

Requirements: Current high school students only. Enroll on a website, scholarship application available.

Financial Information: Tuition is currently \$3,795. Scholarships requiring application offered. to learn more about scholarships for this program click [here](#)

Website: <http://www.envisionexperience.com/explore-our-programs/national-youth-leadership-forum-medicine>

Project Success: Opening the Door to Biomedical Careers

For Boston/Cambridge juniors and seniors only, this program offers paid, mentored summer research internships at Harvard Medical School and its affiliates. Students attend workshops and seminars taught by faculty, visit hospitals and hone their oral and written skills. They will also receive information and mentoring on the college application process.

Location: Online

Duration/Timing: July 6 - July 30, 2022

Requirements: Must be a Boston/Cambridge junior or senior. Need letter of interest written by applicant, science teacher recommendation, recent school transcript, and parental/guardian consent form.

Where to apply: For applications, contact Robert Simpson (email: robert_simpson@hms.harvard.edu, tel: 617-432-1557)

Financial Information: Paid

Application Deadline: TBA

Website: <https://mfdp.med.harvard.edu/dicp-programs/k-12/high-school-programs/project-success>

Teacher and High School Student Program (TAHSS)

Experience various clinical and research positions across the Tufts University School of Medicine Boston Health Sciences Campus. Shadow faculty and medical student mentors at the Medical and Dental Schools. Go on field trips and discuss the college process and aid. All TAHSS students complete an independent study, and are expected to present their findings at the end of the program. In addition, students take Gross Anatomy and Physical Diagnosis courses taught by medical students, and gain through these courses, both knowledge and exposure to graduate- level laboratory-based science.

Location: Tufts University Medical School

Duration/Timing: 4 weeks in the summer.

Requirements: Must be at least 16 and in grades 10-12. Completion of online application, two recommendations forms and letters (from a science teacher and guidance counselor preferred), parental consent, official transcript, photograph, *if you are a permanent resident of MA proof of residency is required*

Financial Information: Participating students receive a stipend at the end of the program.

Website:

<http://medicine.tufts.edu/About-Us/Administrative-Offices/Office-of-Multicultural-Affairs/Pipeline-Programs/Teachers-and-High-School-Student-Program>

Boston University High School Programs (including RISE Program)

Various programs available to high school students, including online courses. Of note: **Research in Science & Engineering (RISE)** program for students entering senior year to contribute to university-level research projects in science and engineering. Students can choose from two tracks. Internship track students spend 40 hrs/wk working on research projects designed by a professor. Practicum students conduct group research with seminars and laboratory activities under the guidance of a Boston University instructor. Check on December 15 for updates on Summer '17.

Location: Boston University

Duration/Cost: Six weeks (\$5,420-8,000). Limited financial aid available for RISE and High School Honors programs can be found [here](#).

Requirements: Online application including three mini essays, two recommendations, and a \$50 application fee. Supplemental materials to upload include a full high school transcript including the fall semester, unofficial copy of your standardized test scores (now optional) including SAT/ACT/PSAT/PreACT, fax or mail financial documents (financial aid applicants only).

Website: <http://www.bu.edu/summer/high-school-programs/>

Boston Area Health Education Center (BAHEC)

A program through the Boston Public Health Commission, BAHEC operates during the summer, in-school, and afterschool to provide a pathway to health careers. The **summer program** includes academics, college prep, and an internship at different Boston healthcare sites. The **after school academic program** trains students in health care topics and work, and students participate in a Youth Advisory Board and develop their leadership.

Location: various

Duration/Timing: Summer program is 6 wks, check online for dates. Academic programs run during the school year.

Requirements/Contact: High school students only. Email for information to apply at bahec@bphc.org

Financial Information: Summer students receive a stipend.

Website:

<http://www.bphc.org/whatwedo/Teens/boston-area-health-education-center/Pages/bahec.aspx>

CURE (Continuing Umbrella of Research Experiences) Program

Students work in a cancer research environment, getting hands-on experience. They spend time alongside scientists and use state-of-the-art technology. Each student is assigned their own mentor and advisor, who oversees research and offers guidance. In addition, students benefit from various program activities such as seminars and journal clubs.

Students must be 16+ and from a group underrepresented in science. High school students must be fully committed to CURE for 8 weeks beginning on June 16, 2022. Application opens by December 1st.

Location: Dana Farber and partner institutions

Duration/Cost: High school students start in late June and work 35 hrs/wk. A stipend is provided on a weekly basis.

Requirements: High school sophomore, junior or senior OR college freshman, sophomore, or junior.

Resume, online application, letter(s) of recommendation, transcript, and statement of interest required. Proof of COVID-19 vaccination is required.

Website: <https://www.dfhcc.harvard.edu/research/cancer-disparities/students/cure-overview/>

Museum of Science Summer Youth Internship

Interns work throughout the Museum on a wide variety of projects and tasks including everything from science education to behind-the-scenes work. An internship at the Museum of Science is an excellent way to gain hands-on, work-learn experience in a specific area of interest or field of study.

Location: Museum of Science

Duration/Cost: 7 weeks between July & August. Interns are paid for 3 working days (21 paid hours/week).

Requirements: Online application. You are only allowed to miss 3 consecutive work days over the summer.

Deadline: Rolling basis; apply in mid-February for Summer internship.

Website: <https://www.mos.org/internships>

Crimson Summer Academy

Over the course of three consecutive summers, 30 students from public and parochial schools in Boston, Cambridge and Somerville engage in a stimulating mix of classes, projects, field trips and cultural activities as they prepare for success in college and beyond. Through small group instruction, sustained support, and close mentoring relationships with college undergraduates, the Academy encourages deserving high school students to expand their vision of what's possible.

Location: Harvard University

Duration/Cost: 3 consecutive summers. Successful applicants receive free tuition, room, and board, plus a stipend of \$800 for the first summer and a weekly stipend of \$200 during the second and third summers. Scholars who successfully complete the three-year program are awarded a \$3,000 college scholarship.

Requirements: Current Boston/Cambridge/Somerville 9th grade students.

Deadline: Email crimsonsummer@harvard.edu for more information on how to apply.

Website: <https://www.crimsonsummer.harvard.edu/index.php>

NIH Summer Internship Program

Spend a summer working at the NIH side-by-side with some of the leading scientists in the world, in an environment devoted exclusively to biomedical research. The NIH sponsors a wide range of summer activities including lectures featuring distinguished NIH investigators, career/professional development workshops, and Summer Poster Day. Application available in mid-November.

Location: Framingham, MA (and others)

Duration/Cost: Start and end dates vary. 8 week minimum time commitment, 40 hrs/wk. Students receive a stipend.

Requirements: 17+ years old, a high school junior or senior when applying. Need a resume, cover letter, references, and a list of coursework.

Website: <https://www.training.nih.gov/programs/hs-sip>

Forsyth Institute Educational Outreach Program (EOP)

Over the summer, interns learn basic laboratory techniques and participate in ongoing research projects. At the end of the program, students present scientific posters describing their findings. Students may continue working on their projects during the academic year.

Location: The Forsyth Institute

Duration/Cost: 8 weeks in July/August, 40 hrs/wk. **Paid (unless non BPS student - see below).**

Requirements: Boston public high school student (Non-Boston, non-public school students may apply to the summer internship in an unpaid/volunteer position). Online application, with letter of recommendation and copy of last report card

Website: <https://forsyth.org/educational-outreach-program>

The Broad Summer Scholars Program (BSSP)

The Broad Summer Scholars Program (BSSP) invites highly motivated high school students with a strong interest in science to spend six weeks at the Broad Institute. We match students with Broad scientists to conduct original, cutting-edge research projects in areas such as: cancer biology, psychiatric disease, chemical biology, computational biology, infectious disease, and more

Location:

Duration/Cost: No cost to apply or attend, \$3,420 stipend, partial transportation reimbursement

Requirements: Be a rising senior in high school (i.e. students can apply their junior year), attend a MA high school within commuting distance of the Broad, be fully vaccinated against COVID-19 by the program's start date in accordance with the Broad policy (limited exemptions are allowed for medical or religious reasons), be available from June - August (6 weeks).

More Info: email bssp@broadinstitute.org

Aspironaut Program (The University of Michigan)

Gets hands-on research experience alongside life scientists. Conduct your very own research and contribute to cutting-edge research while getting a glimpse of college life.

Location: Ann Arbor, Michigan

Duration: six-weeks June 13th-July 22nd

Cost: Stipend included, housing and meals

Website: https://umlsi.smapply.io/prog/aspironaut_um/

Camp Zon, Boston Children's Hospital

Camp Zon is a two-week high school virtual research experience. Students will learn about cancer, biology, and blood development while gaining critical thinking and presentation skills. As a scientist in the Zon lab, you will be part of a team designing a research project to study anemia using zebrafish. You will generate a hypothesis, design experiments, and analyze the data. You will witness the zebrafish experiments you have designed come to life in the lab, and finally you will present your data to your lab members, family, and friends.

Location: Virtual Experience in the Zon Lab at Boston Children's Hospital

Duration/Cost: Part-time two-week paid virtual research lab experience from July 18-29, 2022 typically between 12-4 or 1-5 PM Monday to Friday.

Requirements: Must be in high school or a rising college freshman, 16 years or older by April 1, 2022, and residing in Massachusetts. No prerequisites or research experience required. Must submit a cover letter explaining why you would like to attend the program and a brief statement of any previous science experiences (science class in school, research experience, science programming, etc. All applicants must be vaccinated against COVID-19 and Flu (unless you are eligible for a medical or religious exemption).

Application:

<https://sjobs.brassring.com/TGnewUI/Search/home/HomeWithPreLoad?partnerid=368&siteid=5205&PageType=JobDetails&jobid=3233534>

Young Scholars Program, Northeastern University

YSP offers future scientists and engineers an opportunity for hands-on virtual research experience in Northeastern's colleges of Engineering, Science, and Health Sciences. In the past, students have worked with a variety of faculty on research projects. Past projects include: exploring and optimizing battery chemistries that can be combined to meet the energy demands of remote islands and evaluating new cancer therapies and exploring how to overcome multi-drug resistance.

Location: Virtual Experience through Northeastern University

Duration/Cost: June 27th - August 4th, Mondays to Thursdays 8:30 AM to 4:30 PM, Free

Requirements: Students must be permanent MA residents, only students entering 12th grade in the fall following the program are eligible (current juniors), absences are *not* permitted unless there is an emergency, complete the online student application, two teacher recommendations.

Cost: Dates TBD. Paid, but \$100 commitment fee upon entrance into program.

Application: <https://stem.northeastern.edu/summer/ysp/>

Biogen-MIT Biotech in Action: Virtual Programs Summer 2022

This virtual program will use virtual labs online learning and conferencing software, and real-time conversations with employees of both Biogen and MIT to teach you all about biotechnology and invention with a focus on Alzheimer's disease.

Location: Virtual Experience through Biogen & MIT

Duration/Cost: June 21st - July 1st (Session 1), July 12th - July 22nd (Session 2), or July 25th - August 2nd (Session 3); Programming is free and runs Tuesday - Friday for both weeks.

Requirements: Students must be in 10th grade or above.

Application: <https://www.surveymonkey.com/r/BIA-Summer22>

GROW: Greater Boston Area Research Opportunities For Young Women, Boston University

GROW offers rising high school seniors the opportunity to perform research in a Boston University lab for six weeks. In addition to performing research, students will learn about various STEM careers through guest speakers. Students will present their research through the end of the summer symposium. For more information, visit <https://www.bu.edu/lernet/grow/index.html>

Location: Boston University

Duration/Time: 6 weeks (July 5th - August 12th), M - F from 9:30 AM - 4:30 PM.

Requirements: Must currently be a junior enrolled in a school in MA and live within a 30-mile radius of Boston. Must be at least 16 years old by July 1, 2022. Must have demonstrated record of achievement in science.

Financial Information: Paid; A stipend of up to \$1,500 will be granted upon completion of all program requirements.

Application: <https://lernet.bu.edu/applications/grow/apply/>

College Opportunities

Summer Internships

Student Success Jobs Program - College Internship

Place students with departments coinciding with personal majors, offering hands-on experience and exposure to healthcare professionals.

Offered to 25 students who completed SSJP high school program, paid internship

Requirements: completion of SSJP high school program, enrolled in college to pursue medical, science, or health degrees.

Commitment: 10 weeks (June-August), 23 hours per week

Website:

<https://www.brighamandwomens.org/about-bwh/community-health-equity/student-success-jobs-program/college-internships>

Northwestern Medicine Pre-Med Internship Program

Connects undergraduate students with clinical observation and focused project work,

Commitment: 8-weeks long, paid internship, Monday-Thursday

Where: Chicago, IL

Requirements: enrolled in four-year university and interested in physician pathway

Website:

<https://www.nm.org/for-medical-professionals/i-am-a-student/northwestern-medicine-pre-med-internship-program>

Four Directions Summer Research Program

Offered at Harvard Medical School and Brigham and Women's Hospital. Seeking students interested in research projects under direction of Harvard Medical School Faculty Mentor, includes shadowing, career development seminars, and networking.

Age: Rising undergraduate sophomores, juniors, and seniors

Where: Harvard Medical School and Brigham and Women's Hospital

Duration: eight-weeks

Financial Information: \$5,000 stipend, \$75 transportation pass, furnished housing provided for the eight weeks if necessary

Requirements: completes essay questions, 2 letters of recommendations, online application

Website: <https://cdi.brighamandwomens.org/four-directions-summer-research-program/>

Center for Autonomic Medicine in Pediatrics (CAMP) Exceptional Student Program

Internship program to expose students to clinical and research environments who are interested in autonomic medicine,

Age: undergraduate/medical student

Where: remote or at Ann & Robert H. Lurie Children's Hospital of Chicago

Requirements: cover letter, resume to CAMPResearch@luriechildrens.org plus interview

Duration: varies

Website:

<https://www.luriechildrens.org/en/specialties-conditions/autonomic-medicine/research/summer-research-internship/>

Summer Research Programs & Scholarships in STEM (Undergrad level)