

Finding an internship in health and life sciences research in the Boston area

Organized research programs on UMass Boston campus:

- CURE (with Dana-Farber Cancer Institute; *summer*) (Feb deadline):
http://www.dfhcc.harvard.edu/research/cancer-disparities/students/yes-for-cure/R_undergraduates
- UMB-DF/HCC Research Education Core Summer 2024 Internship (Feb deadline):
https://forms.office.com/pages/responsepage.aspx?id=cYhxuekeJUSVPBrOE3PrOB_5b99WV-5AI9QfG7uAoCpUNDJRskVVUjdXNIhCMTQyUVE2RFhKM1NPQy4u&origin=QRCode&route=shorturl
- Initiative for Maximizing Student Development (IMSD; *year-round*) (rolling deadline):
http://www.umb.edu/academics/csm/biology/beyond_the_classroom/initiative_for_maximizing_student_development
- McNair Program (*academic year*) (rolling deadline):
<https://www.umb.edu/science-mathematics/academic-departments/biology/student-resources/>
- Research Experiences for Undergraduates (REU; *summer*) (Feb deadline):
<https://www.umb.edu/science-mathematics/academic-departments/biology/student-resources/research-experiences-for-undergraduates/>
- Semester on Nantucket (*summer*) (rolling deadline):
<https://www.umb.edu/nantucket/courses/#d.en.841035>
- Youth Wellness Corps Fellows (YWCF) program:
<https://www.massachusetts.edu/news/umass-bostons-mauricio-gaston-institute-latino-community-development-awarded-100k-cummings>
- TUSM/UMass Boston Enrichment Program (*winter*) (Oct deadline):
<https://medicine.tufts.edu/local-global-engagement/pipeline-programs/tusm-umb-enrichment>
- Venture Development Center (*internship positions become available throughout the year; positions available for all majors*)
The VDC is a thriving community of promising entrepreneurs in residence from around the world launching innovative technology and life science companies in our incubator, and talented students from our own university preparing for careers in venture capital backed companies.
<https://www.umb.edu/vdc>
- PACE (Professional Apprenticeship Career Experience) Program (*academic year; positions available for all majors*)
https://www.massachusetts.edu/sites/default/files/2021-07/Amy%20Weinstein_UMass%20Boston_PACE%20STEM%20Diversity%206.29.21.pdf
Paid, part-time campus employment. Students fill out interest forms and when application opens, the program will reach out to the students. 2+ semesters including summer (this depends on position).
- The UMass Boston – DF/HCC Partnership
<https://umb-dfhcc.org/training/undergraduate-opportunities/>
 - The Outreach Core; Community-based research (March deadline)
 - Research Education Core Summer Program (Feb deadline)
- YES for CURE (Young Empowered Students for Continued Research Engagement) (Nov deadline)
<https://www.dfhcc.harvard.edu/research/cancer-disparities/students/yes-for-cure>

If you would like to apply for an off-campus internship, you can either:

- Apply to the state-wide Mass Life Sciences undergraduate summer internship program (which is run through the Mass Life Sciences Initiative, and mainly but not exclusively offers positions at small-to-midsize companies) (rolling deadline):
<https://www.masslifesciences.com/programs/internship-challenge/>
- Apply to individual research internship programs at different sites:
 - Local Universities (*see list below*)
 - University-affiliated research institutes (*see list below*)
 - Biotech or pharmaceutical companies (*see list below, but note that writing a Senior Thesis about your work at a company may be impacted by confidentiality agreements surrounding work done at companies*)
 - Hospitals (*see list below*)

Local University-based research summer internship programs include:

- UMass Medical School at Worcester (March deadline):
<http://www.umassmed.edu/summer/index.aspx>
- UMass Amherst
 - Five-College Astronomy Undergraduate Internship Program (March deadline):
<https://www.astro.umass.edu/academics/five-college-astronomy-undergraduate-internship-program/>
- Boston University:
 - SURF (Summer Undergraduate Research Fellowship) (March deadline):
<http://www.bu.edu/urop/surf-program/>
 - Summer Study Internship Program (April deadline):
<http://www.bu.edu/summer/summer-study-internship/>
 - SIBS (Summer Institute for Training in Biostatistics) (Feb deadline):
<http://www.bu.edu/sph/academics/departments/biostatistics/summer-institute-for-training-in-biostatistics/>
 - Summer Training as Research Scholars Program (STaRS) (Feb deadline):
<https://www.bumc.bu.edu/gms/academics/stars/>
- Brandeis University:
 - National Science Foundation REU Program at Brandeis University (Feb deadline):
<https://www.brandeis.edu/mrsec/education/undergraduates/reu.html>
- Harvard Medical School:
 - Cell Biology Research Scholars Program (CRSP) (Nov deadline):
<https://cellbio.med.harvard.edu/education/internships>
 - Biomedical Informatics (Jan deadline):
<https://dbmi.hms.harvard.edu/education/summer-institute>
- Harvard University:
 - Harvard Summer Research Program in Kidney Medicine (HSRPKM) (Jan deadline):
<https://hsrpkm.bwh.harvard.edu/>
 - SHURP (Summer Honors Undergraduate Research Program) (Feb deadline):
<https://shurp.hms.harvard.edu/>

- Immunology (Dec deadline):
http://www.hms.harvard.edu/dms/immunology/prospective_students/summer_program.html
- Ecology (Harvard Forest) (Feb deadline):
<http://harvardforest.fas.harvard.edu/other-tags/reu>
- Biomaterials & Bioengineering (Feb deadline):
<https://seas.harvard.edu/office-education-outreach-community-programs/research-experience-undergraduates-reu>
- SROH (Summer Research Opportunities at Harvard)(Feb deadline):
<https://gsas.harvard.edu/diversity/outreach-programs/summer-research-opportunities-harvard>
- Harvard John A. Paulson School of Engineering and Applied Sciences:
 - REU program (Feb deadline):
<https://www.seas.harvard.edu/office-education-outreach-community-programs/research-experience-undergraduates-reu/program-details>
- The Harvard/MIT HST program
 - Bioinformatics (Feb deadline):
<https://dbmi.hms.harvard.edu/education/summer-institute>
 - Biomedical Optics (Jan deadline):
<https://hst.mit.edu/academic-programs/hst-wellman-summer-institute-biomedical-optics>
- MIT:
 - Department of Biology (Jan deadline):
https://biology.mit.edu/outreach_initiatives/UG_summer_internship
 - MSRP (MIT Summer Research Program) (Jan deadline):
<https://oge.mit.edu/msrp/>
 - MIT Lincoln Laboratory (Varying Deadlines):
<https://www.ll.mit.edu/careers/student-opportunities/summer-research-program>
- Tufts:
 - Sackler graduate school at Boston campus (Feb deadline):
<https://gsbs.tufts.edu/academics/BDBS>
 - School of Arts and Sciences (March deadline):
<http://ase.tufts.edu/biology/undergraduate/research/reu.htm>
- Columbia University: (Jan deadline)
Students participating in the Summer Internship Program will participate in a variety of didactic, career, and professional development seminars and will receive mentorship from 1-3 faculty members engaged in varied global mental health research and training initiatives. Through experiential learning, students will engage in research through placement-based global mental health projects that will be assigned according to their interests and project availability prior to the start of the internship. Additionally, students will gain exposure to networking within the healthcare research environment and develop the skills to apply an equity-informed lens into global mental health research and implementation.

The summer internship typically starts in June and runs for 8 weeks, with students attending daily seminar sessions and working on their assigned projects from Monday through Thursday. (2025 is virtual).

<https://www.ccgmh.org/wp-content/uploads/2024/11/CCGMH-2025-Summer-Internship-Program.pdf>

Research institute-based internship programs include:

- The Broad Institute of MIT & Harvard (Jan deadline):
<https://www.broadinstitute.org/students/summer-research-programs>
- Harvard Stem Cell Institute (Feb deadline):
<https://hsci.harvard.edu/research/hsci-internship-program-hip>
- Ragon Institute of MGH, MIT & Harvard:
<https://ragoninstitute.org/rise-ragon-institute-summer-experience/>
- Simons Foundation: Shenoy Undergraduate Research Fellowship in Neuroscience (SURFiN) (May deadline):
<https://www.simonsfoundation.org/grant/shenoy-undergraduate-research-fellowship-in-neuroscience-surf-in/>
- Woods Hole Oceanographic Institute:
 - Woods Hole Partnership Education Program (PEP) (Feb deadline):
<http://www.woodsholediversity.org/pep/>
 - Summer Student Fellowship (Feb deadline):
<http://www.whoi.edu/main/summer-student-fellowship>
- Mass Digital Games Institute Summer Innovation Program (SIP) (March deadline):
<https://www.massdigi.org/programs-services/summer-innovation-program/>
- Museum of Science Internships: (rolling deadline)
<http://www.mos.org/internships>
- Woodwell Climate Research Center:
<https://www.woodwellclimate.org/>

Local company-based research internship programs include:

- The state-wide Mass Life Sciences undergraduate summer internship program (which is run through the Mass Life Sciences Initiative, and mainly but not exclusively offers positions at small-to-midsize companies) (rolling deadline): <https://www.masslifesciences.com/programs/internship-challenge/>
- Pfizer – through the “Pfizer Futures” program: <https://www.pfizer.com/en/about/careers/early-careers>
- Alnylam: <https://www.alnylam.com/internships-fellowships-co-ops>
- Novartis - Biomedical Sciences summer internship (Nov deadline):
<https://www.novartis.com/careers/students-scholars>
- Vertex (rolling deadline):
<https://www.vrtx.com/working-here/early-career-programs/>
- Biogen (Varying Deadlines):
https://www.biogen.com/en_us/internships-co-ops.html
- Takeda Oncology: (Jan deadline)
<https://www.takedajobs.com/search-jobs/internships/1113/1?glat=42.3157&glon=-71.0479>

- Bristol Myers Squibb: (November-March Deadline)
http://www.bms.com/careers/university_recruitment/internships_co-ops/pages/graduates_undergraduate_s.aspx
- GlaxoSmithKline: (Varying Deadlines)
<https://www.gsk.com/en-gb/careers/apprentices-students-and-graduates/>
- Merck: (Varying Deadlines)
<https://jobs.merck.com/us/en/student-opportunities>
- Astra-Zeneca: (Varying Deadlines)
<https://careers.astrazeneca.com/students>
- ThermoFisher Scientific: (Varying Deadlines)
<https://jobs.thermofisher.com/global/en/search-results?m=3&keywords=internship>
- Amgen Scholars (multiple sites, including Harvard): (Feb deadline): <http://www.amgenscholars.com/>
- Boston Scientific: <https://www.bostonscientific.com/en-EU/careers/students/internships-and-co-ops.html>
- Ginkgo Bioworks Cultivate Fellowship - one week fellowship (Jan deadline):
https://app.ripplematch.com/job/ginkgo-bioworks/56f583b1/?tl=e37303a9&from_page=tracking_li&utm_campaign=iGEM%20Jamboree%202022&utm_medium=email&_hsmi=2&_hsenc=p2ANqtz-8nzpeRrEUbB3e9HCAv3FFUZ8w7B8NScbzk94DIZ2jYFLSFnaoylcGpTG9oj6vsl5i5xg4OKocXa1a396Mqe4iDgwBy1k1P6rVupDhg5z1ymzp53as&utm_content=2&utm_source=hs_email

Hospital-based research internship programs include:

- Massachusetts General Hospital: SRTP (Jan deadline):
<http://www.massgeneral.org/education/internship.aspx?id=5ahttps://www.massgeneral.org/cdi/programs/students/summer-research-trainee-program-srtp>
- Massachusetts General Hospital: Massachusetts General Hospital Biomedical Research Internship Program (Jan deadline):
<https://www.mghdisparitiessolutions.org/covid-corps-internship-program>
- MGH Youth Neurology Education and Research Program Summer (Jan deadline)
<https://www.massgeneral.org/neurology/education-and-training/youth-research-and-education>
http://www.brighamandwomens.org/Medical_Professionals/career/CFDD/OMC/STARS%20Program/default.aspx
- Dana-Farber Cancer Institute: CURE (Feb deadline):
<http://www.dfhcc.harvard.edu/research/cancer-disparities/students/cure-overview/>
- Joslin Diabetes Center: Summer Research Student Internship Program (Jan deadline):
<https://www.joslin.org/research/learning-training-joslin/summer-student-research-internship>

Local hospital-based programs for exploration of health careers include:

- UMass Medical School:
 - Summer Enrichment Program (March deadline):
<https://www.umassmed.edu/gsb/outreach-programs/summer-enrichment-programs/>

- Bacc-MD Symposium (in April) & Pathway Program (Feb deadline):
https://www.umassmed.edu/som/admissions/tracks_and_pathways/prematriculation/
- EXCEL-UP Summer Undergraduate Clinical Research Internship (TBD -2024 was Feb deadline):
<https://www.umassmed.edu/ccts/education/EXCEL-UP/>
- Brigham and Women's Hospital: (Varying Deadlines)
<https://www.brighamandwomens.org/research/research-volunteer-opportunities>
- Harvard Program in Neonatology: Summer Student Research Program (Jan deadline):
<https://www.childrenshospital.org/departments/newborn-medicine/harvard-program-neonatology/summer-student-research-program>
- MGH/Brigham Orthopedic Internships: (Rolling Deadline)
<https://www.massgeneral.org/orthopaedics/education-and-training/internships>
- Health Career Connection - New England regional program (Dec deadline)
<https://www.healthcareers.org/regions/new-england/>

Public Health Internships:

- Harvard TH Chan School of Public Health:
 - SCTRP Program (Dec deadline):
<http://www.hsph.harvard.edu/biological-sciences/undergraduate-summer-internship-program/>
 - Quantitative sciences (March deadline):
<https://www.hsph.harvard.edu/biostatistics/diversity/summer-program/>
 - The Lee Kum Sheung Center for Health and Happiness Summer Internship Program (Feb deadline):
<https://www.hsph.harvard.edu/health-happiness/summer-internship-program/>
- The MA Department of Health and Human Services Fall Internship Program (April deadline):
<https://www.mass.gov/info-details/dph-paid-internship-program>
- Department of Veterans Affairs CHOIR-SRP (March deadline):
<https://www.bscp.org/internship/paid-summer-research-program-opportunity/>

Out-of-state research internship programs:

A similar number of programs exist in many states throughout the country. Check each link for specific details about the program and application deadlines.

- Good places to get started, if you have a specific state in mind, are:
 - A list of all NSF-funded REU programs: (Varying Deadlines)
https://www.nsf.gov/crssprgm/reu/reu_search.jsp
 - Fred Hutchinson Cancer Research Center: (Varying Deadlines)
<https://www.fredhutch.org/en/education-training/teachers-students/high-school-undergraduate-students.html>
 - The "Pathways to Science" online database of research internships: (Varying Deadlines)
http://www.pathwaystoscience.org/programs.asp?descriptorhub=SummerResearch_Summer%20Research%20Opportunity
 - Biomedical Science Careers Program: (Varying Deadlines)
<https://www.bscp.org/>

- Computational Biology Summer Program (CBSP) at Memorial Sloan Kettering, NYC (Feb deadline): <https://www.mskcc.org/education-training/high-school-college/computational-biology-summer-program-cbsp>
- Community Sourced Directory for Summer 2024 Undergrad Research Programs (Varying Deadlines): https://docs.google.com/spreadsheets/d/1KQzflqkaMaJD3YJj367158hjs_g89xV8RLm1Vlq_4mk/edit#gid=1169082352
- WAVE Fellows is a 10-week undergraduate research program at Caltech (Jan deadline): <https://sfp.caltech.edu/undergraduate-research/programs/wavefellows>
- National Institutes of Health (NIH)
 - NIH Summer Internship Program and its various subprograms (Varying Deadlines) https://www.training.nih.gov/summer_programs_comparison_-_sip
 - National Institutes of Diabetes and Digestive and Kidney Diseases (NIDDK)
 - Short-Term Research Experience Program to Unlock Potential (STEP-UP) (Feb deadline) <https://www.niddk.nih.gov/research-funding/research-programs/diversity-programs/research-training-opportunities-students/step-up#does-my-research-have-to-match>
 - Diversity Summer Research Training Program (DSRTP) for Undergraduate Students (Jan deadline) <https://www.niddk.nih.gov/research-funding/research-programs/diversity-programs/research-training-opportunities-students/diversity-summer-research-training-program-dsrtp>
- Nationwide programs:
 - NASA-supported internships, fellowships and scholarships: (March Deadline) <http://intern.nasa.gov>
 - Amgen Scholars (located at multiple sites): (Feb deadline) <http://www.amgenscholars.com/>
 - Summer Research - Early Identification Program (SR-EIP) (Feb deadline) <https://theleadershipalliance.org/summer-research-early-identification-program>
- Out-of-state, environmental science internships:
 - The Aquatic Science, Engineering, and Technology (ASET) Research Experiences for Undergraduates (REU) program (ASET-REU) (Feb deadline): <https://www.clarkson.edu/about/departments/aset-research-experience-undergrads-reu/aset-reu-program-information>
 - Summer REU: Genes to Ecosystems at the Chicago Botanic Garden (Feb deadline): <https://pbcinternships.org/summer-reu-genes-ecosystems>
 - REU Program in Ecology and Evolution at the State Arboretum of Virginia (Feb deadline): <https://blandy.virginia.edu/content/reu-program-ecology-and-evolution>
 - CalStateLA NSF REU: Response of Hydrological Systems in Urban Areas due to Human Disturbance and Climate (Feb deadline): https://www.calstatela.edu/centers/URBAN_HYDROLOGY_REU
- Miscellaneous:

Updated 2/5/2025:

- The American Society of Plant Biologists (ASPB) Summer Undergraduate Research Fellowships (SURF) fund promising undergraduate students so they can conduct research in plant biology during the early part of their college careers (Feb deadline) :
[https://aspb-surf.secure-platform.com/a?ct=t\(EMAIL_CAMPAIGN_12_7_2021_9_50_COPY_01\)&mc_cid=ad92444a15&mc_eid=bd8f34a9a0](https://aspb-surf.secure-platform.com/a?ct=t(EMAIL_CAMPAIGN_12_7_2021_9_50_COPY_01)&mc_cid=ad92444a15&mc_eid=bd8f34a9a0)