



Pre-Health Internships

Medical, Scientific Research, Public Health, & Veterinary

Many internship and research opportunities are available in the area of pre-health and scientific research in a wide variety of fields. This brief guide will get you started on your search.

Medical Internships

Internships in the field of medicine are primarily available in the areas of patient care or medical research. Internships in patient care are often volunteer positions and involve assisting or shadowing doctors, nurses, and technicians in the diagnosis and treatment of patients. These opportunities are widely available and most often can be obtained by contacting a hospital's volunteer office. Something to remember is that some volunteer positions available at hospitals are in support staff positions and with little or no interaction with doctors and patients. To avoid positions like this, be sure to ask what your specific duties will be as a volunteer.

Directories for Finding Internships

Co-Op/Internship Opportunities for Pre-Medical Students, <http://people.rit.edu/gtfsbi/Symp/premed.htm>

The best comprehensive listing of internships.

Scientific Research Internships

The other, broader areas of medical and scientific internships are research internships. Unlike patient care internships, many research internships are paid internships. Scientific research internships can be found at most colleges, medical schools, research hospitals, government agencies, and in research companies. Aside from the numerous research opportunities offered at Hopkins (both at Homewood & the Medical School), one of the best places to search for a medical research internship is at the National Institute of Health (NIH) and the US Department of Health & Human Services. Both of these have great internship programs in place for undergraduate students.

Directories for Finding Internships

National Institute of Health (NIH), <http://www.jobs.nih.gov/vacancies/student/default.htm>

National Science Foundation Research Experiences for Undergraduates,
http://www.nsf.gov/crssprgm/reu/reu_search.cfm

US Department of Health & Human Services, [http://www.hhs.gov/careers/pathways/students/ Co-Op/Internship Opportunities for Scientific Research in Various Fields](http://www.hhs.gov/careers/pathways/students/Co-Op/Internship%20Opportunities%20for%20Scientific%20Research%20in%20Various%20Fields),
<http://people.rit.edu/~gtfsbi/Symp/summer.htm>

National Science Foundation Research Experiences for Undergraduates (REU),
http://www.nsf.gov/crssprgm/reu/reu_search.cfm

Summer Undergraduate Research Programs,
https://www.aamc.org/members/great/61052/great_summerlinks.html

COS Pivot Database of Researchers, <http://pivot.cos.com/>

Selected Scientific Research Internships

REU Summer Research Opportunities	http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5517&from=fund
DAAD-RISE Program	https://www.daad.de/rise/en/
Naval Research Laboratory Student Programs	http://www.nrl.navy.mil/content.php?P=UNDERGRAD
NOAA Student Intern Research Program	http://www.oesd.noaa.gov/internships_opps.html
Argonne National Laboratory Undergraduate Laboratory Internship	http://www.anl.gov/education/undergraduates/internship-opportunities
Resources for the Future Internship	http://www.rff.org/about_rff/pages/summerinternshipprogram.aspx
Internship Program in Environmental Studies	http://www.rff.org/About_RFF/Pages/Fellowships_Internships.aspx
Smithsonian Institution Internship Awards	http://www.si.edu/ofg/Applications/MIP/MIPapp.htm
Horticulture Internship	http://gardens.si.edu/get-involved/internships.html
Space Policy Internships	http://sites.nationalacademies.org/SSB/ssb_052239
Health Promotion and Preventive Medicine Research Participation Program	http://see.orau.org/ProgramDescription.aspx?Program=10081
Edgewood Chemical Biological Center Research Participation Program	http://see.orau.org/ProgramDescription.aspx?Program=10082
U.S. Defense Intelligence Agency Summer Internship Program	http://www.dia.mil/Careers/Students/SummerInternBulletin.aspx
EPA Research Internships	http://www.epa.gov/enviroed/NNEMS/index.html
Cold Spring Harbor Summer Undergraduate Research Program	http://www.cshl.edu/URP/
MIT Summer Research Program	http://odg.mit.edu/undergraduate/msrp/
Pasteur Foundation Summer Internship	http://www.pasteurfoundation.org/scientific-careers/summer-internship
AAAS Entry Point Internship Program	http://ehrweb01.aaas.org/entrypoint/ep-students/
NYU Summer Research Program	http://www.cns.nyu.edu/undergrad/surp/
UMD Summer Neuroscience Research Internship	http://www.nacs.umd.edu/program/summer.html
American Physiological Society Summer Internships	http://www.the-aps.org/education/ugsrf/
American Society for Microbiology	http://www.asm.org/index.php/professionaldevelopment/students/25-

Undergraduate Research Fellowship	education/students/7827-asm-undergraduate-research-fellowship-asm-urf
American Society for Pharmacology Internship	http://www.aspet.org/awards/SURF/individual/
Carnegie Institution for Science Summer Intern Program	http://www.ciw.edu/employment/internships
Center for Science in the Public Interest Internship Program	http://www.cspinet.org/about/jobs.html
Barbara Jordan Health Policy Scholars Program	http://kff.org/about-the-barbara-jordan-health-policy-scholars-program/
Craig Venter Internship Program	http://www.jcvi.org/cms/education/internship-program/
U.S. National Arboretum Internships	http://www.usna.usda.gov/Education/intern.html
Cancer Research Training Award	http://web.ncifcrf.gov/Programs/Student/Crta.aspx
National Council for Science and the Environment Internship	https://www.ncseglobal.org/work
National Institute of Health Summer Internship in BME Research	https://www.training.nih.gov/programs/sip
Summer Program in the Neurological Sciences	http://www.ninds.nih.gov/jobs_and_training/summer/
National Cancer Institute (NCI) Introduction to Cancer Research Careers (ICRC) Program	https://icrc.nci.nih.gov/icrc/index.html

Public Health Internships

The field of public health is constantly growing and becoming increasingly important in today's world. As this happens, there are increasingly more internships available in this field. Public health internships are available in a variety of areas such as formation of public health policy and legislation, research, lobbying, education/awareness programs, and publishing. Internships in public health are both paid and unpaid, however, the current trend is that research internships are paid while many of the policy, education, and lobbying internships are unpaid (only true for undergraduates). Most public health internships are available in the government, non-profit organizations, and at schools of public health throughout the country.

Selected Scientific Research Internships

Bloomberg School of Public Health Popular Internships/Fellowships	http://www.jhsph.edu/student_affairs/career/for_students/Fellowships.html
Association of Schools of Public Health Internships/Fellowships	http://www.aspph.org/
American Public Health Association Internships	http://www.apha.org/professional-development/apha-internships-and-fellowships
Pan American Health Organization Internships	http://www.paho.org/English/AM/HRM/RE/HRM-internship.htm
WHO Internships	http://www.who.int/employment/internship/interns/en/index.html
Health and Human Services Student Training Program	http://www.usphs.gov/student/
CDC's Collegiate Leaders in	http://www.cdc.gov/nceh/cleh/

Environment Health (CLEH)	
Public Health Internships/Fellowships	https://jobs.cdc.gov/
APHA Public Health Policy Internship	http://www.apha.org/professional-development/apha-internships-and-fellowships/affiliate-affairs-and-national-public-health-week/public-health-policy-internship
Office of Policy Internship Program	http://www.fda.gov/AboutFDA/WorkingatFDA/FellowshipInternshipGraduateFacultyPrograms/OfficeofPolicyandPlanningInternshipProgram/default.htm

Public Health Internships

Similar to those pursuing a career in medicine, if you are considering going into the field of veterinary medicine there are many internship opportunities available to you as well. Majorities of internships in this field are located at zoos and entail assisting zookeepers and veterinarians with feeding and caring for the animals. In addition to the primary job of taking care of animals, many of these internships have an additional educational component ranging from taking a class to doing independent research projects.

Overall, the trend with veterinary internships for undergraduates is that they are unpaid, although a very limited number of paid internships are available. This is largely because most paid internships are reserved for students in veterinary school, so if you need a paid internship start your search early or consider other options for funding such as applying for internship grants from the Second Decade Society.

The first place to start looking for a veterinary internship is Handshake's Job and Internship board, which you can access through your Handshake Account. Another place to search is the employment section of websites for zoos. Many zoos have some form of an internship program in place already and advertise these programs on their websites. For a list of accredited zoos and aquariums go to <https://www.aza.org/findzooaquarium/>. Other options also include volunteering at your local animal shelter or SPCA branch.

Directories for Finding Internships

Pre-Veterinary Co-ops/Internships, <http://people.rit.edu/gtfsbi/Symp/vetag.htm>

Association of Zoos and Aquariums, <https://www.aza.org/joblistings/>

American Association of Zoo Keepers, <https://www.aazk.org/>

Philadelphia Zoo Internship Programs, <http://www.philadelphiazoo.org/participate/Volunteer/Interns.htm>

Smithsonian National Zoological Park Internships, <http://nationalzoo.si.edu/UndergradInternships/default.cfm>

Houston Zoo Internships, <http://www.houstonzoo.org/internship/>

National Aquarium in Baltimore Internships, <http://www.aqua.org/jobs/internships-baltimore>

San Diego Zoo Internships, <http://zoo.sandiegozoo.org/content/internships>