OVERVIEW

Throughout the program, we have discussed and met with individuals who have pursued various careers in genetics and genomics. The ultimate question though is how do you get there? Truth be told, there are various programs across the nation, and internationally, that will best prepare you for a career as a geneticist. Below are just a few undergraduate programs in genetics as well as some scholarships you may apply for as a high school student to gain more exposure to the field.

UNDERGRADUATE DEGREE PROGRAMS

Diagnostic Genetic Sciences, University of Connecticut
Program Website: [https://alliedhealth.genetics.uconn.edu/](https://alliedhealth.genetics.uconn.edu/)
Program Contact: judy.brown@uconn.edu
Brief Overview: The DGS program at UConn is incredibly unique (yes, we are biased) in that you are being trained to be a clinical lab professional. By the completion of your degree, you will be eligible to sit for the American Society for Clinical Pathology certification exam, which qualifies you to work in any laboratory you want. The DGS program has a 100% pass rate on the ASCP exam, 100% graduation rate, and 100% job placement rate.

Genetics and Genomics, University of California-Davis
Program Website: [https://www.ucdavis.edu/majors/genetics-and-genomics/](https://www.ucdavis.edu/majors/genetics-and-genomics/)
Program Contact: wpmadden@ucdavis.edu

Genetics, University of New Hampshire
Program Website: [https://colsa.unh.edu/molecular-cellular-biomedical-sciences/program/bs/genetics-major](https://colsa.unh.edu/molecular-cellular-biomedical-sciences/program/bs/genetics-major)
Program Contact: matthew.macmanes@unh.edu

Genetics, University of Georgia
Program Website: [https://www.genetics.uga.edu/undergraduate-students](https://www.genetics.uga.edu/undergraduate-students)
Program Contact: hfelts@uga.edu

Biology Major, Concentration in Human Genetics OR Molecular Genetics & Development, McGill University, Canada
Program Contact: roberta.palmour@mcgill.ca OR david.dankort@mcgill.ca

The colleges above are arbitrarily selected from coast-to-coast and are by no means specifically endorsed by LEDGE. There are several other programs available in genetics. To help facilitate your search, please visit: [https://bigfuture.collegeboard.org/college-search?major=859_Genetics](https://bigfuture.collegeboard.org/college-search?major=859_Genetics).

It is also important to note that Google searches are the best way to find out what you are looking for, so don’t be afraid to go to the 5th search page!
SCHOLARSHIPS AND PROGRAMMING

Scholarships

R&D Systems Scholarship
Program Website: https://www.rndsystems.com/grants-scholarships/scholarship-application

Western Union Scholars Program
Program Website: https://foundation.westernunion.com/wuscholars/index.html

The Heinlein Society
Program Website: http://www.heinleinsociety.org/scholarship-program/

Healthcare Leaders Scholarship
Program Website: https://nurse.org/healthcare-leaders/

Novus Biologicals Scholarship Program
Program Website: https://www.novusbio.com/scholarship-program.html

4-H Youth in Action Scholarship
Program Website: https://4-h.org/parents/4-h-youth-in-action-awards

Programs

Summer Student Program, The Jackson Laboratory
Program Website: https://www.jax.org/education-and-learning/high-school-students-and-undergraduates/learn-earn-and-explore/admission
Program Contact: sarah.wojiski@jax.org

NeuroLab Program, Coastal Marine Biolabs (funded by NIH)
Program Website: http://neurolabsepa.org/index.php
Program Contact: info@neurolabsepa.org

Summer Internship Program, National Institutes of Health
Program Website: https://www.training.nih.gov/programs/hs-sip
Program Contact: Summer_Postbac_Questions@mail.nih.gov

THINK Scholars Program, MIT
Program Website: https://think.mit.edu/
Program Contact: think@mit.edu

The scholarships and summer programs above are not specifically endorsed by LEDGE. This is simply a reference guide to demonstrate how many scholarships and programs are available. There are scholarships available that are not specifically related to STEM, but may be awarded based on experience, demographic background, or quality of essay writing. Look into them all!