

2016 SUMMER SCIENCE CAMPS!

Sign up at: <http://summercamps.dnalc.org>

Cold Spring Harbor Laboratory's DNA Learning Center (DNALC) is the world's first science center devoted entirely to genetics education. The DNALC "invented" DNA camps over 30 years ago, and over 18,300 students have participated. Guided by experienced instructors, students entering 6th–12th grades use sophisticated laboratory and computer equipment to perform experiments several grade levels ahead of their peers.

Fun with DNA (entering grades 6, 7) Build an understanding of cell biology, microbiology, biotechnology, and genetics through hands-on experiments.



World of Enzymes (entering grade 8, or Fun with DNA alumni entering grade 7) Explore the use of enzymes in molecular biology and the food and health industries.

Green Genes (entering grade 9, or World of Enzymes alumni entering grade 8) Perform the same recombinant DNA techniques used to manufacture human proteins such as insulin.



Forensic Detectives (entering grade 9) Experience forensics through a series of labs and activities in a more realistic fashion than portrayed on TV—it's not just DNA!

Backyard Barcoding (Green Genes alumni entering grade 9) Explore how DNA barcodes can be used to identify a species and how to use this information for forensic identification and taxonomy.



DNA Science (entering grades 10–12) Perform lab experiments in molecular biology, culminating in the construction and cloning of recombinant DNA.

Silencing Genomes (DNA Science alumni entering grades 11, 12) Experience the power of RNA interference (RNAi), a Nobel-prize winning discovery that has revolutionized how genes are studied.



BioCoding (DNA Science alumni entering grades 11, 12) Get started in bioinformatics and computer programming (coding). No programming experience required!

Genome Science (DNA Science alumni entering grades 11, 12) Use biochemical and computer methods to analyze the genetics of living things.

DNA Barcoding Research (DNA Science alumni entering grades 11, 12) Use DNA barcoding to survey the biodiversity of an ecosystem and present your findings at the end of this two-week independent research program.

NEW!
Being Human (entering grades 11, 12) Connect the prehistoric world with modern human biology through anthropological labs that will get you up close and personal with your ancient ancestors.



For more info about DNALC programs visit

www.dnalc.org

email dnalc@cshl.edu

phone 516-367-5170

FOUR LOCATIONS!

Dolan DNA Learning Center

334 Main Street
Cold Spring Harbor, NY 11724

DNA Learning Center West

5 Delaware Drive - Suite 5
Lake Success, NY 11042

Harlem DNA Lab

2351 First Avenue at 120th St
East Harlem, NY 10035

Brookhaven National Lab

Office of Educational Programs
Upton, NY 11973