

2018 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 20,000 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.

CAMP 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

Cold Spring Harbor Laboratory

1 Bungtown Road
Cold Spring Harbor, NY 11724



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

WiSE Fun with DNA (girls entering grades 6, 7) Held on the CSHL campus with support from Women in Science & Engineering (WiSE), the camp is based upon *Fun with DNA* and is offered for girls only. You will also tour the CSHL campus and meet women in science to learn about current research at the Lab. [Limited space]

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) CSI enthusiast? Experience forensics through a series of labs and activities in a more realistic fashion than portrayed on TV—it's not just DNA!



Being Human

(entering grades 10–12) Connect the prehistoric world with modern human biology through anthropological labs that will get you up close and personal with your ancient ancestors.

DNA Science

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

DNA Barcoding (DNA Science alumni entering grades 10–12) Use DNA barcoding in this project-based camp to survey the biodiversity of an ecosystem or uncover food fraud.



BioCoding (DNA Science alumni entering grades 11, 12) Get started in computer programming (coding) and bioinformatics, a growing field in managing and analyzing biological data. No coding experience required!

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

For more info about DNALC programs visit

www.dnalc.org

email dnalc@cshl.edu

phone 516-367-5170