



# DNA LEARNING CENTER SUMMER CAMPS

Dolan DNA Learning Center  
Cold Spring Harbor, NY  
DNALC NYC at City Tech  
Brooklyn, NY  
Regeneron DNA Learning Center  
Sleepy Hollow, NY  
Live and On-Demand Virtual Camps

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

Cold Spring Harbor Laboratory's DNA Learning Center (DNALC) is the world's first science center devoted entirely to genetics education. Over 24,000 students have participated in our camps. Guided by experienced instructors, students entering 6<sup>th</sup>–12<sup>th</sup> 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, genetics, microbiology, and biotechnology through microscopy, modeling, and lab investigations.



## WiSE Fun with DNA

(girls entering grades 6–7; only in CSH)

In addition to standard *Fun with DNA* labs, meet CSHL women in science to learn about research at Cold Spring Harbor Laboratory and participate in special WiSE (Women in Science and Engineering) activities.

## 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 grades 9–10)

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!



## DNA Science

(entering grades 10–12)

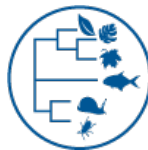
Perform experiments in molecular biology, culminating in the construction and cloning of recombinant DNA. Based on our DNA Science textbook.



## DNA Barcoding

(DNA Science alumni entering grades 10–12)

Use molecular biology and bioinformatics techniques to obtain DNA barcodes, identify species and explore evolutionary relationships.



## BioCoding

(DNA Science alumni or comparable experience entering grades 11–12; only in CSH & Brooklyn)

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 Nobel Prize-winning biochemical methods and bioinformatics tools to analyze the genetic components of living things.



## Sequence a Genome!

(DNA Science, BioCoding, plus another advanced DNALC camp, entering grades 11–12; only in CSH)

Use bioinformatics and data science to assemble genome sequences and explore what DNA reveals about humans and other living things.



## STARS Program

(Entering grades 10–12; only in CSH)

Science Technology & Research Scholars (STARS) is a two-week research experience that supports the next generation of minority scientists, doctors, and other health professionals.

