

## DNA BARCODING RESEARCH

Just as the unique pattern of bars in a universal product code (UPC) identifies each consumer product, a “DNA barcode” is a unique DNA sequence that can potentially identify any living thing. The DNALC has developed a unique lab and computer infrastructure for DNA barcode research that supports one of the largest citizen science projects in the world. Teacher training and student research programs for Westchester will begin in fall 2019. To learn more about the DNALC’s DNA barcoding programs, visit [www.dnabarcoding101.org](http://www.dnabarcoding101.org).



## SUMMER CAMPS

We offer fun and challenging week-long camps for science enthusiasts entering 6<sup>th</sup>–12<sup>th</sup> grade. Guided by experienced instructors, students use sophisticated lab and computer equipment to perform experiments several grade levels ahead of their peers. Camps at Regeneron will begin in summer 2020!



Cold Spring Harbor Laboratory  
DNA LEARNING CENTER

One Bungtown Road, Cold Spring Harbor, NY 11724-0110

Non-Profit Org.  
U.S. Postage  
PAID  
Cold Spring Harbor, NY  
Permit #12

### Regeneron DNA Learning Center

Regeneron Pharmaceuticals, Inc.  
Sleepy Hollow Campus

1 Rockwood Road  
Sleepy Hollow, NY 10591

For additional information:  
<https://dnalc.cshl.edu/>  
dnalc@cschl.edu (516) 367-5170



A collaboration of

Cold Spring Harbor Laboratory  
and  
**REGENERON**



## REGENERON DNA LEARNING CENTER





## COLD SPRING HARBOR LABORATORY DNA LEARNING CENTER

Since its founding in 1988, Cold Spring Harbor Laboratory's DNA Learning Center (DNALC) has provided an environment where students and the public can learn about science by asking questions and doing experiments. Each year 30,000 students do hands-on experiments with DNALC staff through academic year field trips, summer camps, and extended research experiences. Our teaching model has been emulated by 20 institutions on four continents, and DNALC experiments and computer methods are used by more than 500,000 students per year. Most recently, *Harlem DNA Lab* and *DNALC NYC* in Brooklyn have extended our reach from Long Island to the five boroughs.



## A NEW DNALC CLOSER TO YOUR SCHOOL

With the opening of *Regeneron DNALC* in fall 2019, we are proud to announce an exciting new collaboration with Regeneron Pharmaceuticals, Inc. Our newest DNALC will be situated in the heart of Westchester County with convenient access from Dutchess, Orange, Ulster, and Rockland counties in New York; Bergen, Essex, and Hudson counties in New Jersey; and Fairfield and New Haven counties in Connecticut.



Regeneron is a leading biotechnology company that invents life-transforming medicines for people with serious diseases. Founded and led for 30 years by physician-scientists, their unique ability to repeatedly and consistently translate science into medicine has led to seven FDA-approved treatments and numerous product candidates in development, all of which were homegrown in their laboratories. Their medicines and pipeline are designed to help patients with eye diseases, allergic and inflammatory diseases, cancer, cardiovascular and metabolic diseases, neuromuscular diseases, infectious diseases, and rare diseases. They believe that scientists should be the world's heroes and are committed to fostering the next generation of scientific talent through STEM (Science, Technology, Engineering, Math) education efforts.

## HANDS-ON SCIENCE FOR EVERYONE

*Regeneron DNALC* will occupy a 4,700 square foot space at Regeneron's Sleepy Hollow facility. Two teaching labs with state-of-the-art equipment will accommodate middle and high school field trips during the academic year, week-long summer camps, and semester or year-long research projects. Mentor training for teachers and mobile equipment footlockers will support in-school experiments. *Regeneron DNALC* will be staffed by educators and Ph.D. biologists who have been trained to deliver an exceptional learning experience to every visitor.

## ACADEMIC YEAR PROGRAMS

**Half- and full-day lab field trips** are available for students in grades 5–12. Labs are inspired by techniques and tools used by research scientists in the fields of genetics, biotechnology, and molecular biology. The experiences embody key concepts and process skills of the New York State Science Learning Standards and Core Curriculum, and complement Intermediate Level Science, Living Environment, and Advanced Placement Biology coursework.

**School district memberships** provide benefits such as tuition discounts and preferred reservations for lab field trips. School districts that take advantage of DNALC programs several times a year can economize by enrolling in this program.



Check the Lab Matrix on our website for guidance on grade-appropriate lab selections. [dnalc.cshl.edu/programs/fieldtrips/matrix.html](https://dnalc.cshl.edu/programs/fieldtrips/matrix.html)