



Canning Summer Scholar Pre-Internship Workshop

June 9-13, 2025

SQE
Inspire
Program

OUR PROGRAM

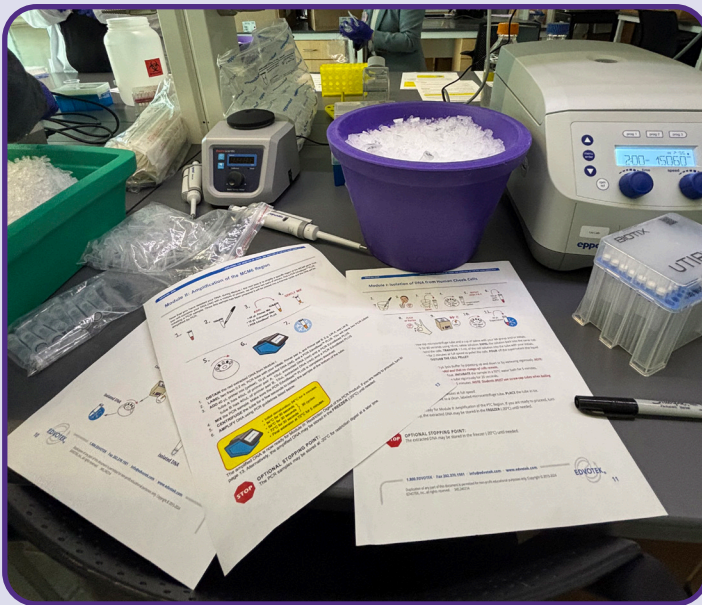
The Inspire Program at the Simpson Querrey Institute for Epigenetics aims to expose and inspire students ranging from elementary school to high school to a variety of STEM careers and the academics that complement those careers. This program includes events such as field trips, science teacher development/continuing education, internships, workshops and other outreach opportunities that support providing an educational experience to students, teachers and schools from all our communities.

CANNING SUMMER SCHOLAR PRE-INTERNSHIP WORKSHOP

Through the generous support of John and Rita Canning, the SQE Inspire Program developed this five day immersive summer workshop designed to introduce high school students (grades 10-12) to the language of biology through interactive, research-driven learning with a focus on DNA biology, genetics, and health-related research. No prior lab experience is required—just a curious mind and a passion for science!

CURRICULUM

Step into the world of real scientists. Learn how biology impacts medicine, investigative forensics, and everyday life.



Students tour clinical settings and the hospital - allowing them to visualize themselves in this environment and meet professionals working there.



Learn the language and vocabulary used in a lab setting.





Get hands-on experience with lab techniques like PCR, gel electrophoresis, DNA visualization, cell culture, and microscopy. **Solve biological mysteries**—trace DNA from genes to traits, analyze cancer cells, and explore forensic science.



Think like a researcher by practicing critical thinking, problem-solving, and data analysis.



Develop skills for future internships or a job as a lab technician, including lab safety, scientific documentation, and teamwork.

Connect with mentors and experts who will guide you through career pathways in biology and biomedical research.





Director of the SQE Inspire Program:
Laura Shilatifard
lus@northwestern.edu

Program Coordinator:
Beverly Kirk
beverly.kirk@northwestern.edu

Senior Medical Illustrator/Animator:
Brianna Monroe, MS
brianna.monroe@northwestern.edu

Simpson Querrey Institute for Epigenetics
303 East Superior Street
Simpson Querrey, 7th Floor
Chicago, IL 60611

