

RESEARCH TRAINING PROGRAM

Age: 15-18

Grade: 9-12

Duration: Two weeks | 9am - 4pm

2026 Dates: June 8th-19th

Location: Torrance, California

\$2,500



Learn to Plan, Implement, Analyze and Present Authentic Research Experiments

The Research Training Program introduces students to experimental research, providing hands-on experiences and structured training in the scientific method. Guided by professional scientists, participants learn to design, execute, analyze and present biotechnology experiments, investigating the link between inflammation, neuronal health and neurodegenerative diseases.

The Research Training Program Provides Comprehensive Training In:

- Research study design
- Literature research analysis
- Hypothesis formulation
- Experimental planning
- Reagent and assay optimization
- Advanced laboratory techniques
- Bioinformatics (AI literature searching and Fiji/Image J)
- Data acquisition, processing, analysis and interpretation
- Troubleshooting and rigorous thinking
- Poster preparation
- Science communication (journal club and poster presentation)
- Research ethics

Course Provides:

- Hands-on classes
- Advanced lab skills
- Research skills
- Real world experience
- Biotech exposure
- Experienced science mentors
- Career education
- College preparation
- Certificate of completion
- Alumni support

The Research Training Program prepares students with advanced skills and knowledge for AP biology, science fair research, college lab classes and research internships.