

POBJFKHS Student is a Regeneron Scholar

Chloe Lee is Among the Top 300 Student-Researchers Recognized for their Projects

PLAINVIEW, NEW YORK (January, 2024)— Plainview-Old Bethpage John F. Kennedy High School is thrilled to announce that (POBJFKHS) senior Chloe Lee has been recognized as a 2025 Regeneron Science Talent Search Scholar. This prestigious honor is awarded to only 300 students out of nearly 2,500 entrants representing 795 high schools across 48 states, American Samoa, Guam, Washington, D.C., Puerto Rico, and 14 other countries.

Chloe earned this recognition based on her exceptional research, leadership, community involvement, academic achievements, creativity in posing scientific questions, and her potential as a future leader in science, technology, engineering, and math (STEM). Her submission included original independent research, essays, and recommendations.

Chloe's research project, "Exploring the Effects of Cannabidiol–Medium Chain Triglyceride Oil on Locomotion and Tap Withdrawal Response Using *Caenorhabditis elegans* as a Model for Alzheimer's Disease," investigated a potential treatment for Alzheimer's disease. By combining cannabidiol and medium chain triglyceride oil, she studied their effects on roundworms (*C. elegans*), offering insights that could guide the development of future pharmacological treatments.

Her work was conducted under the mentorship of Lead Research Coordinator Raymond Tesar and Research Lab Facilitator Rohe Sheikh. As a four-year participant in POBJFKHS's Research Program, Chloe completed courses such as Foundations of Research, Research in Practice, Advanced Placement Research, and Advanced Social Science Research.

"Chloe embodies everything a Regeneron STS Scholar should be," said Mr. Tesar. "She is one of the most well-rounded students I've had the privilege of working with. Chloe is as humble as she is intelligent, and she demonstrates all the qualities of an outstanding future leader in science. Her success reflects the support of the Plainview-Old Bethpage Central Administration, Board of Education, and the broader Plainview-Old Bethpage community."

As part of the honor, Chloe will receive a \$2,000 award, with an additional \$2,000 granted to POBJFKHS. On January 23rd, 40 of the 300 scholars will be named Regeneron Science Talent Search finalists. These finalists will compete for over \$1.8 million in awards during a week-long competition in Washington, D.C., this March.

For more information about the Plainview-Old Bethpage Central School District, please visit the District's website at www.pobschools.org. Exciting activities happening throughout the District and programs celebrating student achievement can also be found on the District's Facebook page at <https://www.facebook.com/pobschools/>.



Principal Dr. Heather Dvorak, from left, Research Lab Facilitator Ms. Rohe Sheikh, Chloe Lee, and Lead Research Coordinator Raymond Tesar.