

REGENERON

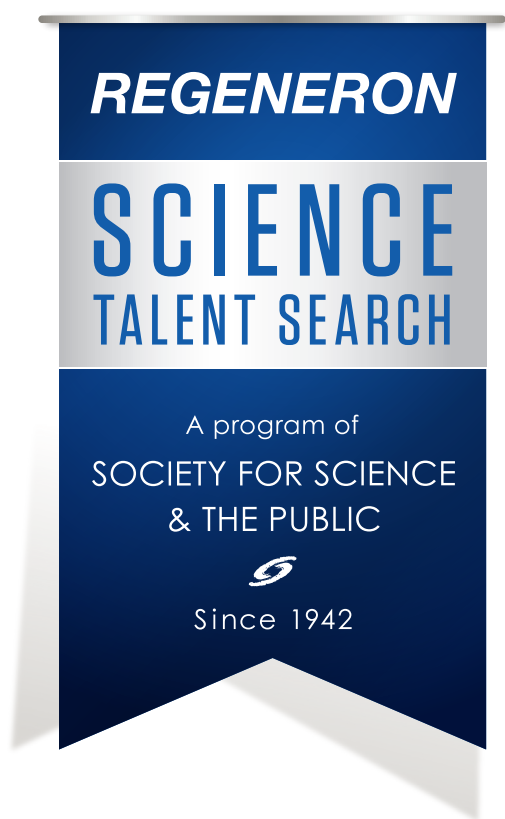
**SCIENCE
TALENT SEARCH**

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**REGENERON SCIENCE
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2017 SCHOLARS**



2017 SCHOLARS

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ALABAMA**Birmingham****Jefferson County International Baccalaureate School*****Sridhar, Varsha R., 18***Generalization of the Marcus Model for *in vivo* Electron Transfer**ALASKA****Fairbanks****West Valley High School*****Chen, David Dawei, 18***

An Analysis of H5-HA Avian Influenza Subtypes in Alaska Migratory Birds

ARIZONA**Chandler****Arizona College Preparatory – Erie Campus*****Loop, McKenna Kristin, 17***Algae Lipid Extraction Methods and Economic Feasibility Analysis –
Introducing Fungal-Assisted Extraction**Hamilton High School*****Iyer, Dhruv, 18***

Identifying Pathways Enriched with Differential Dependencies Using LASSO

Zhu, Justin, 17Optimizing Tools for Genomics Data: Enhancing the Integrative Genomics
Viewer with Java Functionality for Next-Generation Sequencing**Oro Valley****Immaculate Heart High School*****Minke, Amanda Catherine, 17***Analyzing the Mechanism and Efficiency for Filtering Pb²⁺ Using Freshwater
Algae - Phase 3**Scottsdale****Desert Mountain High School*****Saxena, Aakanksha, 17***The Influence of Contaminants and Secondary Phases on the Optical
Properties of Iron Pyrite (FeS₂), a New Candidate for Large Area, Low Cost
Photovoltaic Cells**CALIFORNIA****Cupertino****Monta Vista High School*****Cheerla, Nikhil, 17***Scoring Regulatory Variants Using Deep Convolutional Neural Networks and
DeepLIFT***Saluja, Sajeev, 17***Simulation and Experimental Verification of Thioflavin-T mediated Reversal of
Amyloid-like Aggregation***Talapaneni, Suresh, 17***A Versatile, Quantitative Means for Post-mortem Diagnosis of Tauopathies
Using Supervised Machine Learning**Diamond Bar****Diamond Bar High School*****Chen, Benjamin, 17***

Asymmetric Bipartite Variants of the Erdős Distinct Distances Problem

Fremont

Mission San Jose High School

Baral, Jessika, 17

Machine Learning Tool for Detection of Small Cell Lung Cancer Stage Using Novel Nuclear Factor I/B Expression: Significantly Increase Patient Survival in Less than One Minute

Zeng, Catherine Yingxuan, 17

Investigation of H/D Exchange in Aromatic Compounds with a Heterogeneous-Based Electro-Activated Palladium Catalyst

Irvine

Northwood High School

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The Effect of Structural Parameters on Htt Pathology

University High School

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Woodbridge High School

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Elucidating a Relationship Between Ligand-Flap Interactions and Drug Potency in HIV-1 Protease with Molecular Dynamics Simulations

Las Flores

Tesoro High School

Shah, Shalin Vipul, 17

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North Hollywood

Harvard-Westlake School

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4-Dimensional Dynamic Cardiovascular Magnetic Resonance for Pediatric Patients with Congenital Heart Disease

Oakland

The College Preparatory School

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Orinda

Miramonte High School

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Palo Alto

Henry M. Gunn High School

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Bioinformatics Screening of Cell Surface Receptors to Identify New Stem Cell and Prostate Cancer Markers

Palo Alto High School

Hong, Jerry, 17

Novel Analyses of Volumetric Features of Drusen to Predict Progression of Age-Related Macular Degeneration

San Diego

Canyon Crest Academy

Kang, Anthony Kyuwon, 17

New Antibacterials: Conjugation-Mediated Transmission of Cytotoxic Genes for Targeted Bacterial Cell Elimination

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William J. Palmer High School

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CRISPR Based Gene Editing Confers Resistance to Human Immunodeficiency Virus (HIV)

Wallingford**Choate Rosemary Hall*****Lee, Truelian, 17***

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Westport**Staples High School*****Mudholkar, Jay Mandar, 17***

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Woodbridge**Amity Regional High School*****Handler, Katherine Sarah, 17***

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Wilmington

Charter School of Wilmington

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Fort Lauderdale

Pine Crest School

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Miami

Dr. Michael M. Krop High School

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Orlando

Lake Highland Preparatory School

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Stuart

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Alexander W. Dreyfoos, Jr. School of the Arts

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GEORGIA**Evans****Greenbrier High School*****Kirov, Alexander S., 17***

Exosomes in Amyloid Aggregates Promote Neuronal Damage: A Mechanism of Alzheimer's Pathology

Norcross**Norcross High School*****Wang, Jennifer Lynn, 17***

Lose the Battle but Win the War: Generous Zero-Determinant Strategies in the Iterated Prisoner's Dilemma

HAWAII**Hilo****Waiakea High School*****Peng, Felix Cheng, 17***

Isolation of a Novel Marine Microorganism Capable of Aromatic Hydrocarbon Degradation in East Hawai'i

Honolulu**Kalani High School*****Lindsay, Christopher James, 17***

Hohonukai: Environmental Studies of Marine Biota Using Underwater Time-Lapse Photography and Multiple Camera Arrays

Ho'olehua**Moloka'i High School*****Jenkins, Lily Nalulani, 17***

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Rockford **Keith Country Day School**
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Winnetka **New Trier Township High School**
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Carmel **Carmel High School**
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Evansville **Signature School**
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West Lafayette **West Lafayette Junior-Senior High School**
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KENTUCKY

Louisville **duPont Manual Magnet High School**
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Baltimore **Baltimore Polytechnic Institute**
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Bethesda **Walt Whitman High School**
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- Clarksville** **River Hill High School**
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- Mount Hebron High School**
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Andover

Phillips Academy

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Lexington

Lexington High School

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Sheffield

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West Roxbury

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MICHIGAN**Ann Arbor****Greenhills School*****Wellman, Julian, 18***

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Beverly Hills**Detroit Country Day School*****Siddiqui, Omer Vaqar, 17***

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Saint Paul**Highland Park Senior High School*****Rajamani, Geetanjali, 17***

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MISSISSIPPI**Oxford****Oxford High School*****Chao, Sichen, 17***

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NEVADA**Las Vegas****Edward Clark High School*****Zhang, Rachel Chir, 16***

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Reno**The Davidson Academy of Nevada*****Rohatgi, Dhruv Warke, 16***

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Nashua**Nashua High School*****Zhu, Mary, 18***

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Hackensack**Academy for Business and Finance*****Jiang, Enoch, 17***

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Jersey City

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Millburn High School

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Princeton

Princeton High School

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NEW YORK**Armonk****Byram Hills High School*****Bayley, Yasamin Sophia, 17***

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Great Neck**John L. Miller Great Neck North High School*****Gao, Patrick, 17***

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William A. Shine Great Neck South High School***Hlaing, Lynn, 17***

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Hewlett**George W. Hewlett High School*****Perkins, Matthew Raymond, 17***

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Jericho**Jericho Senior High School*****Fu, Ruiwen, 18***

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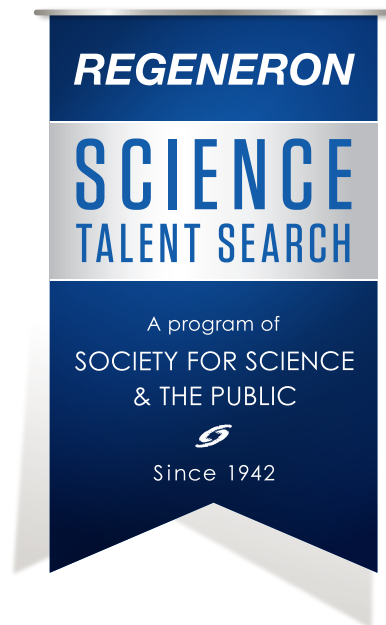


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About Regeneron

Regeneron is a leading science and technology company discovering and delivering life-transforming medicines for patients in need. Founded by physician-scientists nearly 30 years ago, our innovative approach has resulted in multiple FDA-approved treatments and numerous product candidates in a range of diseases, including rheumatoid arthritis, atopic dermatitis, asthma, pain, cancer and infectious diseases.

STEM education is at the heart of our corporate citizenship efforts. We believe that science plays a key role in advancing society and are committed to ensuring a continual pool of talent. We seek to attract more students to science careers, while supporting and nurturing talented young people who have shown early promise. Our STEM programs include the Regeneron Science Talent Search, a program of Society for Science & the Public since 1942 and the nation's oldest and most prestigious pre-college science competition. Westinghouse and Intel were previous title sponsors of the Science Talent Search.

Learn more about our programs at
www.regeneron.com/scienceeducation