

Regeneron ISEF 2021 Grand Award Winners

Best in Category \$5,000, First \$3,000, Second \$1,500, Third \$1,000, Fourth \$500					
	Award	Name	School	Title	
Regeneron Young Scientist Award	\$50,000 These finalists are selected for their commitment to innovation in tackling challenging scientific questions, using authentic research practices and creating solutions to the problems of tomorrow.	Catherine Kim	Jericho High School	Novel Prediction of Adverse Drug Reactions and Underlying Pathological Mechanisms via Hierarchical Classification	
	Award	Name	School	Title	
Biomedical and Health Sciences	Third	Yifang Zha	The Wheatley School	Curcumin and Capsaicin Synergistically Suppress Neuroblastoma Development	
	Fourth	Samantha R. Radinsky	Paul D. Schreiber High School	The Role of Bone Lineage Cells During Digit Tip Regeneration in Adult Mice	
Cellular and Molecular Biology	Award	Name	School	Title	
	Third	Neil Mehta	Ward Melville High School	The Effect of IL-22 Stimulation on Paneth Cell Granule Morphology and Epithelial Cell Proliferation	
Chemistry	Award	Name	School	Title	
	Fourth	Brian I. Lee	Plainview-Old Bethpage JFK High School	Evaluating the Efficacy of Repurposed and Modified Traditional Eastern Medicinal Compounds on Coronavirus Family Specific Target Structures	

	Award	Name	School	Title
Computational Biology	Best in Category	Catherine Kim	Jericho High School	Novel Prediction of Adverse Drug Reactions and Underlying Pathological Mechanisms via Hierarchical Classification
	First	Catherine Kim	Jericho High School	Novel Prediction of Adverse Drug Reactions and Underlying Pathological Mechanisms via Hierarchical Classification
	Second	Danielle L.	Great Neck North	A Game-Theoretic Model of
		Gruber	High School	the Resting-State Brain
Environmental Engineering	Award	Name	School	Title
	Second	Julius Yoh	Manhasset High School	The Optimization of Desalination and Ion- Removal Rate Through the Engineering of Novel Turbulent Modular Designs in an Electrodialysis System
Microbiology	Award	Name	School	Title
	Second	Giselle L. Rasquinha	Syosset High School	D028: A Bifunctional HIV-1 Inactivator Acts Before Host Cell Entry
	Award	Name	School	Title
Physics and Astronomy	Fourth	Kathryn E. Postiglione	Lynbrook High School	Analyzing the Photometry of Star Cluster Messier 39: Creation of Color Magnitude Diagram, Age Calculation, and Distance Measurement
	Award	Name	School	Title
Robotics and Intelligent Machines	Fourth	Ethan Horowitz	Manhasset High School	CET-CNN: Modular Hierarchical Image Classification Using Conditional-Execution Tree CNNs
	Award	Name	School	Title
Systems Software	Fourth	James Connor	Northport High School	Attributing State-backed Information Operations on Twitter through Machine Learning