2022 USEF - Senior Division

Category and Rank	Name	School	Project Title
Behavioral & Social Sciences	Susan Arcos-Flores &	Salt Lake Center for	Latino Disparities In High School's
- Third Place	Nathan Flores	Science Education	Mental Health Resources and
Biology & Microbiology - First Place	Megan Tandar	West High	Repressed Autophagy in Aging is
			Associated with Blood-Brain-Barrier
			Permeability and Changes in Blood
Biology & Microbiology - Second Place	Krishnam Goel	West High	Microbiology of Virus and Bacterial
			Interactions with Silver Nanoparticles
			for Therapeutic Purposes
Biology & Microbiology -	Riya Soneji	West High	Developing a Phage Library to
Fourth Place			Identify Potential Coronavirus D-
Chemistry & Biochemistry -	Dora Meiwes	West High	Investigating the Properties of Paint
First Place	Dora Wielwes	Westriigh	Binders and Their Applications
Computer Science &	Yaniv Taussky	West High	Simulating Prey and Predator
Applied Computational			Evolution
Earth & Environmental	Zejun Li	West High	Imaging Calcite in Trilobite Lenses
Sciences - Second Place	Zejuii Li		Using Confocal Raman Microscopy
Earth & Environmental	Hazel Wilde	Salt Lake Center for	Exploring Golden Eagle Diets Through
Sciences - Third Place	Tiazei Wilde	Science Education	Isotopes
Energy: Chemical & Physical	Diego Escobar &	Salt Lake Center for	Fast Food Fuel
- Third Place	Maximillian Therriault	Science Education	
Mechanical & Materials		West High	Employing the DiSCoVeR Machine
Engineering - First Place	Marianne Liu		Learning Algorithm to Discover New
Linginiceting That Face			Novel High-Performing Superhard
Mechanical & Materials	Ellis Chalker & Collin	Salt Lake Center for	Mechanical Knee Exoskeleton
Engineering - Third Place	Stanley	Science Education	Wiceffullical Kitee Exoskereton
Medicine, Health Sciences,	Sharayu Senthilkumar	West High	The Effect of Sonication Duration on
& Biomedical Engineering -			MR-guided focused ultrasound
Third Place			(MRgFUS) Lesion Size and Accuracy
Medicine, Health Sciences,	Brendon Young	West High	Exploring the Effects of a Point
& Biomedical Engineering -			Mutation in the 5' UTR of APC
Physics, Astronomy & Math - First Place	Lukas Mesicek	Salt Lake Center for Science Education (SLCSE)	Photorealistic Simulations of General
			Relativity: Using the Finite Element
			Method to Solve, Test, and Analyze
			the Einstein Field Equations
	Ethan Yrungaray & Isabella	Salt Lake Center for	Saving Our Soil (SOS): Finding a
Plant Sciences - First Place	DeLagerheim	Science Education (SLCSE)	Reliable Base to Create Soil Stability Around the Receding Great Salt Lake

Regeneron ISEF Grand Champion Winners			
			Employing the DiSCoVeR Machine
Winner	Marianne Liu	West High	Learning Algorithm to Discover New
			Novel High-Performing Superhard
Winner	Megan Tandar	West High	Repressed Autophagy in Aging is
			Associated with Blood-Brain-Barrier
			Permeability and Changes in Blood