

JR - Animal Sciences

501	Hollmann, Thrace	Do Young or Adult Guinea Pigs Learn Faster?	First Award
502	Rappoport, Joshua	Music's Impact on Dogs	Second Award
503	Sanchez, Eleanor	Which Light Will Increase Your Height?	Third Award
503	Sanchez, Esther	Which Light Will Increase Your Height?	Third Award
504	Toor, Sareena	Effects of Chemicals Found in Perfumes upon Planarian Head/Tail Dev	Third Award

JR - Behavioral and Social Sciences

511	Anello, Dominic	The Effects of Physical Activity on Test Scores	First Award
512	Jacobson-Dill, Cruz	Can Humans Identify AI Generated Materials	Third Award
512	Carver, Jacob	Can Humans Identify AI Generated Materials	Third Award
513	Cooper, Aaron	Does Neurodivergence Affect the Way People See Ambiguous Illusions	First Award
514	Essa, Reem	The Role of Learning Styles on Creative vs Analytical Problems	Second Award
515	Ferry, Aaron	Does Sympathy Affect Generosity	Second Award
516	Hammad, Ida	The Impact of Peer Pressure on Decision-Making	Second Award
517	Huguely, Raniyah	The Effect of Muisic on Test Performance	Third Award
518	Johnson, Jayden	The Effect of Age on Human Reaction Time	Third Award
519	Karthik, Arjun	The Impact of Social Media on Teen Mental Health	First Award
520	Mughal, Zara	Role of Emotional State on Visual and Auditory Perception	First Award
521	Ouznali, Duaa	Are Bilinguals Cognitively Superior to Monolinguals?	Second Award
522	Plasencia, Adrian	Can AI Trick Humans	Second Award
523	Ron, Ayelet	The Effect of Music on Arithmetic Abilities	Second Award
524	Salem, Yusra	Exploring the Impact of Immersive Vs. Traditional Learning on Student I	First Award
525	Sternson, Olympia	Generational Effects on Resilience from Gen Z to the Greatest Generat	First Award

JR - Biochemistry

541	Bustos, Sebastian	Preserving Fruit with Natural Preservatives	Third Award
542	Hernandez, Meena	Different Sugars in Bread Rising	Second Award
543	Jasim, Reema	Will Juice Lose Its Vitamin C And How Can It Be Preserved?	First Award
544	Pyla, Tanvi	Personalized Drug Design: Targeting H1 Receptor Mutations to Improve	First Award
545	Silva, Alexia	Which Bread will Grow Mold the Fastest?	Third Award
546	Villalobos, Belen	La Dolce Vida: The Sweet Life of Bananas	Second Award

JR - Biomedical/Health Sciences, and Biomedical Engineering

551	Broudy, Golda	The Effects of Radiofrequency Radiation on the Development of Cance	First Award
552	Cubukcu, Emel	Back to Bach: Our Brain's Perception of Music	Second Award
553	Delgado, Flora	The Effect of Different Substances on Tooth Decay	Third Award
554	Ehsan, Anabia	Reducing Pain and Anxiety During Medical Procedures in Children with	First Award
555	Gorzelski, Nicholas	Under Pressure	Second Award
556	He, Lawrence	Engineering a Functionally Enhanced PD-1 Agonistic Antibody for Impr	Second Award
557	Park, JoonWoo	Reliable Gaze-Driven Medical Communication Boards Using Consisten	Second Award
557	Kim, Hyunggyu	Reliable Gaze-Driven Medical Communication Boards Using Consisten	Second Award
558	Mejia, Alitzia	Are You Drinking Plastic? Which Water Bottle Type Releases More BPA	Second Award
559	Noriega, Nicolas	What is the Best Way to Protect Your Skin from Ultra Violet Radiation?	Third Award
560	Saha, Karishma	Structural Brain Volume Differences Across Cognitive Aging Stages: Ev	First Award
561	Valkanov, Martin	Eco-Safe Marine Sunscreen: Development and Effectiveness Testing A	First Award
562	Zhang, Amy	The Healthy Consumption of Popular Drinks for Teenagers	First Award

JR - Cellular and Molecular Biology

571	Valenzuela, Sophia	How Does Jellyfish Gene Affect Bacteria?	Second Award
571	Palombo, Giovanna	How Does Jellyfish Gene Affect Bacteria?	Second Award

JR - Chemistry

581	Amin, Ilyas	Eco-Friendly Corrosion Inhibitors: The Effectiveness of Plant Extracts in	First Award
582	Chua, Oleisa	How the Quality of Water In Poway Schools Compares to the State and	Second Award
582	Jones, Kenzie	How the Quality of Water In Poway Schools Compares to the State and	Second Award
583	Cordes, Noah	Ice Ice Maybe	Second Award
584	Croff, Nicholas	At Twelve Volts DC, What is the Most Effective Amperage to Etch Copp	Second Award
585	Dougherty, William	The Effect of Temperature on pH and Total Dissolved Solids (TDS) in Di	No Show
586	Gonzales, Camille	Fabrics to Dye For: Which Fabrics Stand Out?	Second Award
587	Jaiswal, Nityaa	Will the Amount of Time You Spend Mixing the Cake Batter Affect the H	First Award
588	Jones, AriYana	How Different Liquids Rust Metal OverTime	Third Award
589	Mitchell, Ryan	The Coke Explosions	Second Award
590	Nguyen, Katie	The Recipe for Making the Longest Fizzing Bath Bomb	No Show
590	Nguyen, Kason	The Recipe for Making the Longest Fizzing Bath Bomb	No Show
591	Niebres, Anthony Jaye	Does the Shape of Ice Affect How Long it Takes to Melt?	Second Award
592	Oster, Oliver	The Effectiveness of Various Desiccants on Moisture Absorption	First Award
593	Parker, Sofia	Ratio of Cornstarch to Water and Its Effect on Oobleck	Third Award

JR - Computational Biology and Bioinformatics

601	Bojja, Ishan	Congenital Nystagmus Diagnosis with Artificial Intelligence Eye Tracking	First Award
601	Jian, Howell	Congenital Nystagmus Diagnosis with Artificial Intelligence Eye Tracking	First Award

JR - Computer Science and Systems Software

611	Bantval, Maya	Voice-Based Object Detection Device for the Visually Impaired	First Award
612	Bhatia, Rishabh	Applying Image Recognition Algorithms for Identification of Strongylocei	First Award
613	Bhatt, Arya	AMT+: Exploration of Machine Learning Based Automatic Music Transc	Second Award
614	Cendana, Michael	Identifying Colors: A Solution for Colorblindness	Third Award
614	Puentes, Carlos	Identifying Colors: A Solution for Colorblindness	Third Award
615	Hande, Samarth	Strategic Simulations of Warfare in a Multipolar World	Second Award
616	Kathiravan, Yaalini	Ride Safe, Ride Smart: Ensuring E-bike Safety with AI-Based Helmet M	First Award
616	Peiris, Dylan	Ride Safe, Ride Smart: Ensuring E-bike Safety with AI-Based Helmet M	First Award
617	Matzen, Rigel	Can Prompts Improve ChatGPT Response Consistency?	Third Award
618	Mohammed, Yusuf	Predict Air Quality with Machine Learning	Second Award

JR - Earth and Environmental Sciences

631	Bi, Mia	Can Pond Water Purify Wastewater?	Third Award
632	Blais, Embry	Investigating the Effects of Rail Corridor Proximity on Microplastic Beac	First Award
632	Samady, Ariana	Investigating the Effects of Rail Corridor Proximity on Microplastic Beac	First Award
633	Combs, Valerie	The Detection of Microplastics in Drinking Water Using Machine Learnir	First Award
634	Feng, Andy	Mapping Invasive Species With A Drone And Machine Learning Algorithm	First Award
634	Xu, Henry	Mapping Invasive Species With A Drone And Machine Learning Algorithm	First Award
635	Hendrix, Elise	Quantifying the Effects of Interstate Emissions on Local Air Quality	Second Award
636	Howton, Dustin	The Effect of Different Moss Types on a Room's Temperature	Third Award
636	Packer, Daniel	The Effect of Different Moss Types on a Room's Temperature	Third Award
637	Jia, Melody	Which Types of Straws Decompose the Quickest?	First Award
638	Kattamuri, Uma	Effect of Increased CO2 Levels on CAM Plant Kalanchoe pH and Stom:	First Award
639	Kelsey, Skye	The Effect of Arthrospira Platensis on Plastic Degradation	First Award
640	Lengel, Jake	Which Ground Cover Ice Plant Best Slows Erosion, Mesembryanthemu	Third Award
641	Merkey, Olivia	Absorbing Oil	Second Award
642	Norman, Cora	Is It Possible to Protect Coral Reefs from Sunscreen Using Tennis Balls	Second Award
643	O'Donnell, Sydney	Surveying Biodiversity In Various Marine Habitats	First Award
644	Qiao, Isabelle	Green Roof Technology for Urban Heat Island Reduction	Second Award
645	Snodgrass, Ariana	Are Biodegradable Hydrogels Better than Commercially Available Hydr	Second Award
646	Sullens, Ava	Water Filters	Third Award
646	Spolidoro, Mila	Water Filters	Third Award
647	Waits, Damian	San Diego What's In Your Water	Third Award
648	Weiser, Nava	An Untimely Demise: Reflecting on CO2 Optimization and Algae Growtl	Second Award
649	Schuh, Chloe	Can Eelgrass Remove Toxic Copper Levels from the San Diego Bay?	First Award

JR - Engineering: Electrical, Mechanical, and Robotics

661	Akkarakaran, Eric	Sensor-Based Irrigation System	First Award
662	Alonso, Agustin	Making a Robotic Hand Speak Sign Language	Second Award
663	Azevedo, Valente	Raspberry Eye	First Award
664	Cottrell, Oliver	Personalized Homework Tutor Robot	Second Award
665	Fishler-Barraza, Vincent	Hand-Powered Energy: Electromagnetism for Portable Power Generati	Second Award
666	Robertson, Alec	V-22 Osprey Downwash During Takeoff	Third Award
666	Gonzalez, Alvaro	V-22 Osprey Downwash During Takeoff	Third Award
667	Gordon, Noah	Electronic Access Control	Third Award
668	Gorman, Andrew	We Didn't Start the Fire	Third Award
669	Lee, Nathan	The Braille Box: Revolutionize Teaching to the Vision-impaired	First Award
669	Yang, Matthew	The Braille Box: Revolutionize Teaching to the Vision-impaired	First Award
670	Monpays, Eva	DIY Beach Cleaning Robot	First Award
670	Swigart, Julianna	DIY Beach Cleaning Robot	First Award
671	Paband, Humayra	The Eco-Buoy: An Ocean-Monitoring Smart Buoy	Second Award
672	Siddiqui, Aishah	D3: Diabetic Drink Doctor - A Tri-Sensor Beverage Testing Device for D	First Award
673	Zoch, Ryan	The Effects of Sensor Configuration on Autonomous Vehicles	First Award
674	Xu, Andrew	Low-cost Portable Braille Embosser for Education	First Award
674	Hu, Ethan	Low-cost Portable Braille Embosser for Education	First Award

JR - Engineering: Energy, Materials, and Transport

681	Ahmad, Yasmine	Engineering a Ramp for Guinea Pigs	First Award
682	Albertson, Connor	A Free Mainsheet	Third Award
683	Ballew, Tidus	Balloon Powered Car	No Show
683	Anderson Jr, Jonathan	Balloon Powered Car	No Show
684	Bi, Amanda	The Flexible, Reusable Sound Insulator	First Award
685	Kassar, Charlie	SKID: A Kid Friendly Way to Get to the Slopes	Second Award
685	Burns, Alexander	SKID: A Kid Friendly Way to Get to the Slopes	Second Award
686	Garcia, Jenna	What Materials in Water Filters Work Best to Purify Water?	Second Award
687	Goldman, Stella	VolleyBlast: An Improved Way to Practice Volleyball on Your Own	First Award
688	Hardy, Ellie	Cool or Warm? Hot or Cold? How Does Layering Shingles Affect House	Second Award
689	Hernandez, Roman	Anti-Bird Trash Stealer	Third Award
689	Hoss, Aiden	Anti-Bird Trash Stealer	Third Award
690	Juan Gaxiola, Elias	How the Quality of Sand and Gravel Affects Concrete Strength	First Award
691	Krishna, SaiPranav	Flight Distance	Third Award
692	Lerner, Aiden	GPSBall: A Way to Prevent Lost Golf Balls	Second Award
693	Merten, Niall	Improving Solar Panel Efficiency	First Award
694	Park, Leia	Extending the Life of Dry Erase Markers	Second Award
695	Rupiper, Nora	Project RF	First Award
695	Yandell, Katie	Project RF	First Award
695	Yandell, Katie	Project RF	First Award
696	Thomas, Edward	Smart Medication Pouch	No Show
697	Wadhvani, Aarav	Application of Machine Learning to Decrease Aviation Incident Rates	First Award
698	Wallace, Spencer	Shower Dynamo	Second Award
699	Wang, Kiley	Charger Holders: A Way to Organize and Prevent Damage to Device Cl	Third Award
700	Kassar, Ollie	MegaMolds: Making Old Clothes into Toys	Third Award
700	Gambhir, Kaden	MegaMolds: Making Old Clothes into Toys	Third Award

JR - Mathematics

711	Green, Joie	May the Best Strategy Win: The Optimal Approach to Battleship	First Award
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JR - Microbiology

721	Beraha, Isaac	The Effect of UV Light, Blue Light, and Laser Light on Bacteria	Second Award
722	Liu, Olivia	Can Bacteria Fly?	First Award
722	Byun, Hayden	Can Bacteria Fly?	First Award
723	Gallegos, Stella	Mold Vs. Burgers	Third Award
723	Flora, Brittany	Mold Vs. Burgers	Third Award
724	Hammad, Alya	How Well Do Disinfectants Work?	First Award
725	Hanigan, Julie	Which Produces Mold Sooner, Organic or Non Organic Strawberries?	Third Award
726	Hendrix, Austin	Investigating Potentially Antibacterial Properties of Mastic Resin and Gc	Second Award
727	Hensley, Abigail	What Kinds of Bacteria are Found in the Waters of Imperial Beach?	First Award
728	Katari, Aahan	Nature's Rinse: How Effective Are Natural Produce Washes?	Second Award
729	Lin, Michael	Can Beneficial Bacteria Survive Growth Suppression in the Presence of	Second Award
730	Pereira, Veronica	Is There Scary Bacteria on Cutting Boards?	First Award
731	Raschtschenia, Stasha	Which Room is the Dirtiest?	Third Award
732	Sebalj, Keira	Spotless Showdown	Second Award
733	Snyder, Adina	Beneficial Bacteria in the Human Microbiome and its Correlation to Sou	Third Award
734	Way, Eleanor	How Does UV Exposure Affect the Growth of Yeast Colonies?	First Award

JR - Physics and Astronomy

741	Benz, Matyas	Can You Improve the Safety of Driving in the Dark	Second Award
742	Boniske, Ines	The Effect of Different Pirouette Turn Preparations	Second Award
743	Brum, Charles	StarSync: Local Orientation Synchronization Device	First Award
744	Factor, Simon	Basketball Bounce and Friction	First Award
745	Giby, Timothy	Extinguishing Fire Using Sound Waves	Third Award
746	Giunta-Beeche, Juliette	Does the Strength of a Magnet Change with Temperature?	First Award
747	Hendrick, Kayden	The Mpemba Effect	Third Award
747	Monk, Annalise	The Mpemba Effect	Third Award
748	Jordan, Thomas	How Does Court Surface Affect the Bounce of a Tennis Ball?	Third Award
749	Karetny, Emma	The Effect of Altitude of a Rocket Based on Varying Ratios of Baking Sc	First Award
750	Lara, Adalyn	The Effect of Cold Temperatures on Battery Lifespan	Second Award
751	Lovette-Colyer, Ella	The Effects of Tap Boards on Tap Shoes	First Award
752	Mesnik, Evelyn	What Flooring Produces the Most and Least Friction?	Second Award
753	Rasmussen, Kekoa	The Effect of Scuffing on Wiffle Ball Curve	Second Award
754	Roysdon, Penny	How Different Substances Affect the Melting Rate of an Ice Cube	Third Award
755	Tedesco, Giovanni	The Different Distances Pickleballs Travel with Different Sized Holes	Second Award
756	Stroud-Healey, Franklin	Measuring Magnetic Susceptibility of Liquids for Contaminates	First Award

JR - Plant Sciences

761	Ax-Keating, Isaac	The Salinity Trinity: The Relationship Between Kelp, Temperature, and I	First Award
762	Daniels, Gemma	What Fertilizer Grows Grass the Best	Third Award
763	Delgado, Elena	The Effect of Colored Light on Plant Growth	Third Award
764	Diep, William	Are Genetically Modified Plants a Solution for Farming on Mars?	Second Award
765	Gammage, Kennedy	Do Sound Vibrations Derived from Classical Music Stimulate Plant	Third Award
766	Goel, Leela	Effects of Salinity on California Coastal Sage Scrub Seed Germination	First Award
766	Ye, Luna	Effects of Salinity on California Coastal Sage Scrub Seed Germination	First Award
767	Joby, Maria	What Type of Water Helps the Plant Grow?	Second Award
768	Nair, Vyom	Can Expired Vitamin Supplements Be Used to Help Plant Growth?	Second Award
769	Palmer, Will	Does Positivity and Negativity Affect Plants?	Second Award
770	Roy, Amelie	Sustainable Gardening: Kitchen Scraps to Thriving Tomatoes!	First Award
771	Wilson, Hannah	The Effect of Different Types of Water on Cut Flowers	Third Award

JR - Product Testing

781	Acabado, Jose	Drying Textiles	Third Award
782	Andersen, Zachary	Decomposition of Compostable Bags and Best Brand for Carrying San	First Award
783	Barzal, Lily	Which Hand Soap is Best for Killing Bacteria?	First Award
784	Rajagopalan, Advita	MoistTRUE - Which Ingredient is Best in Retaining Moisture for Lip Baln	First Award
784	Bharadwaj, Harshini	MoistTRUE - Which Ingredient is Best in Retaining Moisture for Lip Baln	First Award
785	Byrne, Jack	Which Packaging Material Preserves Heat Longer: Eco Friendly or Not	Second Award
786	Conway, Sydney	Which 40 oz. Stainless Steel Water Bottle Keeps Water Coldest the Lor	Second Award
787	Dimenstein, Anael	The Effect of Natural Heat Protectant Versus Synthetic Heat Protectant	First Award
788	Forrest, Trevor	What is the Stickiest Surf Wax	Third Award
789	Gerrity, Miren	Do You Need That \$40 Water Bottle?	Second Award
790	Gordon, Mila	Effects of Top and Base Coat on a Manicure	Second Award
791	Hall, Eleanor	Strongest and Most Eco-Friendly Adhesive for Wood and Model- Makin	First Award
792	Kaziha, Mariam	Can Beeswax Wrap Replace Plastic Wrap?	First Award
793	Medina, Grace	How to Determine the Height in Muffins Between Different Types of Floi	Third Award
794	Padron, Carlos	Which Brand of Potato Chips Has the Least Grease?	Third Award
795	Parker, Angelina	Do Certain Fabrics Absorb Higher Intensities of Heat from the Sun	Second Award
796	Samuth, Vela	How Does the Amount of Vitamin C Vary in Different Fruit Juices?	First Award
797	Kozo, Auline	Do Different Types of Flours Affect Cookie Elevation	Second Award
798	Zanani, Gaia	Hair Damage From Chlorine	First Award

SR - Animal Sciences

101	Mandyam, Tanya	Curcumin Alleviates Inflammatory Responses in an Animal Model of Sy:	Second Award
102	Pitt, Lily	The Effects of Loratadine on Dugesia Japonica	Third Award
103	Tachibana, Emi	Nicotine-Induced Neurotoxicity in Planarian Models: Neuronal Regener:	First Award
104	Wyatt, Ronald	Polystyrene-Based Superworm Frass and Its Theoretical Impact on Pla	First Award
105	Zeng, Sophie	From Paws to People: A Statistical Assessment of the Impact of Demog	First Award
106	DeMott, Luke	Analysis of E. Fetida Productivity when Provided with Varying Composi	Second Award

SR - Behavioral and Social Sciences

111	Arce, Larisa	The Utilization of Morals on California High School Students: Connectio	Third Award
112	Ajanovic, Aya	Memory Reconstruction	First Award
113	Bhalla, Nupur	The Relationship Between Emotional Intelligence and Academic Burnou	First Award
113	Im, Hannah	The Relationship Between Emotional Intelligence and Academic Burnou	First Award
114	Diep, Emily	Automatic Visual-Acoustic Feedback of Speech Articulation for Children	Second Award
115	D'Souza, Aaron	Categorizing Cyber-Attacks: Analysis of Industry, Event-Type, Economi	Second Award
116	Estrada, Adam	Social Media's Effect On Teenagers Stress Levels	Second Award
116	Romero, Dalilah	Social Media's Effect On Teenagers Stress Levels	Second Award
117	Feng, Eric	Analyzing the Effects of Depression on Twitter Using Multimodel Analys	Second Award
118	Garcia, Eric	Expectations vs. Gender. Which is More Important to Careers?	Second Award
119	Khushu, Ronit	Using AI Based Emotion Recognition to Improve Quality of Life for Peop	Second Award
120	Lee, Kate	Interaction Between ApoE-genotype & Lifestyle Factors with Cognition i	First Award
121	Ouchmame, Zackaria	The Effects of Social Pressure on Ethical Decision Making	No Show
122	Vadi, Ashwin	Knowledge, Attitude, Behavior and Practice Towards Microplastic Hazar	First Award
123	Valle, Emiley	Implementing Subway Surfers in Slideshow Presentations: Effect on Hi	Third Award
124	Zaragoza, Clay	Unconscious Racism in Imperial Valley	Second Award

SR - Biochemistry

131	Lagiseti, Samhita	Optimizing Procedures to Enhance Sesamin Content in Sesame Seeds	Second Award
131	Bollu, Harshith	Optimizing Procedures to Enhance Sesamin Content in Sesame Seeds	Second Award
132	Li, Anze	GIN Based Predictions of Potential Inhibitors Targeting Mycobacterium-	First Award
132	Chalamalasetty, Abhiram	GIN Based Predictions of Potential Inhibitors Targeting Mycobacterium-	First Award

SR - Biomedical/Health Sciences, and Biomedical Engineering

141	Abdulaziz, Omar	Smart Dehydration Monitoring Using Wearables: A Real-Time Sensor F	Second Award
142	Abhyankar, Sara	Migraine Bot	Third Award
143	Arulselvan, Adhiban	NeuroStimulate: Home-Based Neuropathy Real-Time Assessment with	Second Award
144	Dogra, Saanvi	Uncovering Molecular Mechanisms for Treatment of Congenital Heart D	First Award
145	Ganji, Vidha Yadav	Novel siRNA Inhibitors for Immediate-Early BZLF1 Protein for Epstein-E	First Award
146	Grapilon, Madeline	Development of a 3D Printed Gel Electrophoresis Chamber	Third Award
147	Hirman, Leah	Testing the Effectiveness of Different Kinds of FDA Approved Sunscreen	Third Award
148	Hyun, Jihoo	Impact of Hydration, Temperature, and Age on Skin Capacitance and C	Second Award
149	Javier, Andrea	The Effect of Bath Ionic Strength on 4-point Bending Properties of Artici	Second Award
150	Jian, Jolina	Using Piezo Transducers to Break Uric Acid Crystals in Gout	First Award
151	Kalyanaraman, Anirudh	Adverse Cardiovascular Effects of Burn Pit Exposure: The Role of Oxid	First Award
152	Kan, Lauren	Targeting FEN1 for the Treatment of Ewing Sarcoma Family of Tumors	Third Award
153	Kapoor, Sanya	Contribution of LMNB2 Overexpression in Brain Cancer (GBM and LGC	First Award
154	Khushu, Riya	Novel Breast Cancer Treatment: Using Gene Expression and Differentia	Second Award
155	Kim, Seohyun	Smart Massage Chairs with Distributed Microsensor Systems for Perso	Third Award
156	Liang, Donny	Aqueous Humor Protein Biomarkers for Predicting Uveal Melanoma Me	Second Award
157	Lim, Ricky	Development and Evaluation of Nanoantibody-based Disease Diagnost	First Award
158	Zeng, Lilian	Identifying Bacteriophages, Nature's Own Secret Weapon Against Antib	First Award
159	Zhao, Matthew	The Contribution of Sleep Promoting Genes to Brain Volume in Drosopl	Second Award

SR - Cellular and Molecular Biology

171	Le, Maithy	Synaptogenesis of Transplanted Inhibitory Neurons in the Adult Primary	Second Award
171	Nguyen, William	Synaptogenesis of Transplanted Inhibitory Neurons in the Adult Primary	Second Award
172	Leem, Ethan	Paraquat Exposure Induces Microglial Dysfunction Leading to the Loss	Second Award
173	Lim, Claire	Mitochondrial and Cellular Mechanisms Underlying Neuronal Degenera	Second Award
174	Yao, Minghui	Illuminating Driving Mechanism of Beneficial Host-Microbe Model: Opsi	First Award

SR - Chemistry

181	Capaldi, Charlotte	Comparing Cleavage Rates of Modified Nucleosides from a Universal S	First Award
182	Huang, Lucy	Morphological Changes and Kinetic Insights of Copper(I) Oxide Nanocr	First Award
183	Suh, Daniel	Assessing the Separations of a Biodegradable Surfactant Using TLC ar	First Award
183	Park, Gurnho	Assessing the Separations of a Biodegradable Surfactant Using TLC ar	First Award

SR - Computational Biology and Bioinformatics

191	Aravind, Medha	NeuroRepurpose: An In Silico Approach to Repurposing Drugs for Multi	First Award
192	Balam, Riti	Using Machine Learning Algorithms to Predict the Molecular Risk Score	Second Award
193	Bantval, Dhruv	Genetic Features as Predictors of Glioblastoma Treatment Effectiveness	Third Award
194	Bapat, Mihir	Multimodal Deep Learning Approach for Brain Tumor Segmentation and	First Award
195	Bhatt, Prakruti	Quantum Annealing and Deep Learning-Driven Plasma Optimization for	Second Award
196	Bojja, Rohan	Computational Investigation of hIAPP Oligomer Extracellular Cytotoxicity	Second Award
196	Maturi, Nikhil	Computational Investigation of hIAPP Oligomer Extracellular Cytotoxicity	Second Award
197	Cai, Ethan	Metabolomics-Based Machine Learning Diagnostics of Post-Acute Sequelae	Second Award
198	Chen, Hayden	EnsemBioDesc: Establishment and Optimization of Molecular Descriptors	First Award
199	Ganji, Vibha Yadav	Novel Screening Mechanism for Aggregation Breakers of Alzheimer's Disease	First Award
200	Gao, William	Code2Cure: A Novel Pipeline for Multiobjective Cardiovascular Drug Design	First Award
201	Goel, Khushee	An EEG-Based Approach for Measuring IAD Risk Due to Social Media Usage	First Award
202	Guha, Risha	Characterizing Calcium Propagation in Parkinson's Disease Astrocytes	First Award
203	Hou, Henry	Segment-Any-Cell: Supercharging Generalized Cell Segmentation with	First Award
204	Huang, Bo-En	CCCDRP: Enhancing Multi-Omics Cancer Drug Response Prediction with	Second Award
204	Huang, Bo-Zhi	CCCDRP: Enhancing Multi-Omics Cancer Drug Response Prediction with	Second Award
205	Li, Albert	Automated Detection of Glioblastoma in Hyperspectral Imaging through	Second Award
205	Wu, Jacob	Automated Detection of Glioblastoma in Hyperspectral Imaging through	Second Award
206	Liang, Cindy	Comparison of Gut Microbiota in Healthy and Alzheimer's Patients	Third Award
207	Liu, Kaelyn	A Multi-Scale Digital Twin Model for Liver Aging	First Award
208	Macha, Manasvi	A Machine Learning Solution to COPD Exacerbation Prediction	Third Award
209	Madhukara, Nandana	A Novel Approach to Modeling the Effect of Protein Crowding on Cellular	First Award
210	Meng, Leo	Prototype and Model of a Biological Tri-state Memory Switch in Mammals	Second Award
211	Menon, Varun	Image-Based Machine Learning for Alzheimer's Detection	Second Award
212	Nguyen, Tri	Predicting Solubility of Drug Molecules Using Machine Learning Models	Third Award
213	Oguz, Tarik	Small Changes, Big Impact- miRNAs in Lung Cancer Detection	First Award
214	Pallapotu, Eshika	A Neural Network Model for Alzheimer's Disease: Integrating Ligand-Receptor	Second Award
215	Parthiban, Sidhaarth	Computational Strategies to Examine Cellular Stress-related Gene Patterns	Third Award
216	Shah, Kush	Unraveling ALS: A Computational Approach to Gene Expression and Protein	No Show
217	Shah, Nisarg	Accelerating Drug Discovery with a Fragment-Based Machine Learning	First Award
218	Shi, Ryan	Microglial CMPK2 Inhibition as a Novel Therapeutic Strategy for Major Depressive	First Award
219	Srinivasan, Nikhil	Developing Quantitative/Computational Models for Optimizing Dosing Regimens	Second Award
220	Tao, Christopher	Deep Learning Model for Classification of Brain Tumors	Second Award
221	Thomas, Nisa	Modeling Risk Factors for Poor Health in California Counties Utilizing the	Second Award
222	Tian, Christina	Design Monoclonal Antibody Drugs for Cancer Therapy Using Molecular	Second Award
223	Tipirneni, Aanika	Advancing Epilepsy Detection through MicroRNA Biomarkers: A Machine	Second Award
224	Yu, Ethan	Utilizing CNN Modeling to Detect Early and Flared Up Eczema	First Award
224	Uhegbu, Kellen	Utilizing CNN Modeling to Detect Early and Flared Up Eczema	First Award
225	Vivek, Nithika	Deep Learning Based Optimization of Immunoblotting Reaction Conditions	First Award
226	Wang, Ryan	Using AI for Pericyte Research	Third Award
227	Weng, Elizabeth	The Significance of Tumor Necrosis Factor in Atherosclerosis	Third Award
228	Yadav, Anvay	Enhancing Colorectal Cancer Diagnostics through Generative Deep Learning	Second Award
229	Yu, Linda	Structural Analysis of Virulence Factors Between S. aureus Strains MS1 and	Third Award
230	Hattar, Harkirat	Adaptive Cellular Computation: Redefining the Foundations of Machine	First Award

SR - Computer Science and Systems Software

241	Tantisira, Brayden	Autonomous Multidrone Navigation and Tracking for Cinematic Aerial Fi	Second Award
241	Bai, Ryan	Autonomous Multidrone Navigation and Tracking for Cinematic Aerial Fi	Second Award
242	Bisain, Aditya	Kitchen Manager	Third Award
243	Chandra, Neil	D-SAFENet - DNS Security and Filtering Engine for Malicious DNS Det	Second Award
244	Chen, Andrew	Better Plane Detection in 3D Reconstruction from 2D Images	Second Award
244	Quan, Joseph	Better Plane Detection in 3D Reconstruction from 2D Images	Second Award
245	Lai, Isabel	Developing a Website to Assist with Dyscalculia Using Deep Learning I	Third Award
245	Chen, Jennifer	Developing a Website to Assist with Dyscalculia Using Deep Learning I	Third Award
246	Choksi, Advait	Evaluating Machine Learning Models for Classifying Lung Cancer Subt	Second Award
247	Dagar, Arnav	Mapping and Estimating Homelessness	Second Award
248	Dhar, Naveen	Fighting Poaching through High Precision Real-Time Gunshot Detector	First Award
249	Ekambaram, Nikhil	Image Recognition Software to Detect Surgical Tools and Output Coord	First Award
249	Svetina, Evan	Image Recognition Software to Detect Surgical Tools and Output Coord	First Award
250	Eltepu, Shiven	Securing Multi-Agent LLM Systems Via Detection and Mitigation of Pois	Second Award
251	Fan, Leanne	Building LLM Reasoning Models for Cheap: Salient Reasoning Traces f	First Award
252	Hyun, Jeonghoo	Automated Coaching of Basketball Actions Using Keypoint-Aware Actio	Second Award
253	Kintada, Sathwik	Leveraging Synthetic Data to Mitigate Racial Bias in Medical Skin Lesio	Second Award
254	Kowsari, Kian	Vending Machine Optimization	Second Award
255	Liang, Jaelyn	Spiking Neurons on a Chip - A Biologically-Inspired Neuromorphic-FPG	First Award
256	Marwah, Nalin	How to Improve Novice Cricketer's ""Fast Bowling Action"" Using Machi	First Award
257	Rezaei, Ryan	Novel Material Discovery through Geometric Deep Learning and VAE L	First Award
258	Shin, Andrew	Harmonizing Human Attention and Deep Neural Networks: Gaze-Weigh	First Award
259	Wang, Yuekai	IFEP: A Low-Cost Large Language Model Personalization Framework fi	First Award
260	Xie, Eric	New Approach for Efficient Voice Recognition Using Delay Differential /	Second Award
261	Xing, Ella	An Immersion Campus Simulation Protection and Safety Improvement :	First Award
262	Xu, Kayley	Wearable Stethoscope Array and Localization & Diagnosis of Cardiopul	First Award
263	Zubaidi, Ahmad	MindTrack: GPS for Dementia Patients	Second Award
264	Badal, Rohan	Hallucination, Conflation and Ultracrepidarianism in Large Language M	Second Award
265	Sanchez, Alfonso	Using AI to Predict Optimal Baseball Pitch Type Based on Temperature	Second Award

SR - Earth and Environmental Sciences

271	Cardoso, Mia	Using Mycoremediation of Hypsizygus tessulatus Fungus (Bunapi and I	Third Award
271	DeWalt, Aaliyah	Using Mycoremediation of Hypsizygus tessulatus Fungus (Bunapi and I	Third Award
272	Chandra, Arthi	Plastic that Can Eat Itself? Improving Tensile Strength in Engineered Li	First Award
273	Chen, Steven	Nature-Inspired Living Device to Degrade Organic Pollutants in Water	First Award
274	Estrada, Thalia	The Effects of Different Amounts in Charcoal on Phosphate Filtration of	Third Award
275	Farias, Mariana	The Effect of Paper, Plastic, and Glass Pollution on Duckweed	Third Award
276	Luna, Eva	Examining the Impact of Invasive Compared to Native Species on Soil I	Third Award
276	Yufe, Natasha	Examining the Impact of Invasive Compared to Native Species on Soil I	Third Award
277	Montiel, Nina	Correlation Between Carbon Monoxide Emissions and Life Expectancy	Third Award
278	Munoz, Esteban	Dust Suppression Using Biocementation on Exposed Salton Sea Lakeb	First Award
279	Murphy, Siffrin	Optimal Ratio of Superworms in Polystyrene Biodegradation	First Award
279	Perry, Janeiro	Optimal Ratio of Superworms in Polystyrene Biodegradation	First Award
280	Perez, Lisa	Effects of Copper, Chromium, and Iron on Imperial Beach vs. La Jolla	Third Award
281	Rosal, Sophia	To What Extent Will Nicotine at Various Concentration Levels Impact P	Third Award
282	Williams, Kaden	Tracking Carbon Footprint: Does Awareness Lead to Action?	Second Award
283	Xia, Olina	Investigating Carbon Debt and Socio-Environmental Inequality in Trans	Second Award
284	Zhang, Austin	Smart Park Management: A Drone-Based AI Solution for Vegetation He	First Award
285	Zhu, Virginia	Design of a Low-Cost WiFi-Enabled PM2.5 Sensor Network Using IoT f	First Award

SR - Engineering: Electrical, Mechanical, and Robotics

291	He, Daniel	Pinhole Optics Imager	Third Award
292	Hong, David	Design and Construction of an Innovative Semi-Rigid Lower Limb Exoskeleton	First Award
293	Mansour, Malik	Autonomous Leak Detection and Condition Monitoring Robot	Third Award
294	Parthasarathy, Jeyanth Narayan	Advanced Terrain-Adaptive Suspension Framework: Leveraging Machine Learning	Second Award
295	Sadek, Adham	AI Based Automated Search & Rescue Unmanned Aerial Vehicle	Second Award
296	Siddiqui, Aminah	Advancing Cost-Effective Space Exploration Using LESAR (Low Cost Earth-Space Robot)	First Award
297	Sung, Ihan	Universal Mass Scale	First Award
298	Verma, Rahul	Optimization of Kinematics and Control of a Coaxial Swerve Omni Base	First Award
299	Zheng, Chris	Optimizing the Performance of Machine Learning Algorithms for UAV-based	Second Award

SR - Engineering: Energy, Materials, and Transport

311	Chandra, Anju	Immobilization of Cyanobacteria within Hydrogels Aiding in Purified Protein	First Award
312	Delgado, Maya	The Thermal Resistance of Environmentally Sustainable Insulation Materials	Second Award
313	Mahendran, Pranav	Utilizing Piezoelectricity to Harness Ocean Waves for Power	Third Award
314	Ray Chaudhuri, Shounak	Novel Scalable Multiphase Autonomous Vehicle Systems for Emerging	First Award

SR - Mathematics

321	Qiu, Nathan	Reinforcement Learning Based Simulated Annealing	First Award
322	Ryu, Wonhee	Breaking Modern Cryptography by Quantum Computing	Second Award
323	Xuan, Kailin	Efficient Algorithm and Implementation for Boolean Reduction of Large Logic	First Award

SR - Microbiology

331	Foss, Spencer	Sucralose Exposed Bacteria's Relationship to Future Increases in Antibiotic	First Award
332	He, David	An Integrated Analysis of Marine Polyurethane Microplastic Degradation	First Award
333	Lerman, Ava	Effectiveness of Ultrasonic Waves on Cyanobacteria for Algal Bloom Mitigation	Second Award
334	Wong, Emmanuel	The Effect of Acidity on Bacterial Growth (Non Pathogenic E. Coli.)	Third Award
334	Reyes, Matthew	The Effect of Acidity on Bacterial Growth (Non Pathogenic E. Coli.)	Third Award
335	Zhang, Amber	Designing an Ideal Pseudomonas aeruginosa Nanoparticle Vaccine For	First Award

SR - Physics and Astronomy

341	Cervantes, Alexa	Determining the Best Material to Create an Armor	Third Award
341	Barrett, Maryanne	Determining the Best Material to Create an Armor	Third Award
342	Chen, Lucas	Evaluating Effective Waveform Analysis Methods for Minimizing Background	Second Award
343	Chen, Trevor	Perfecting Infrared Gratings for Polarized and Non-Polarized Applications	First Award
344	Choubey, Shubhay	MicroNet: A Novel Deep Learning Framework For Exoplanet Classification	First Award
345	Nayak, Aneesh	Using N-Body Simulations and Augmented Kepler/TESS Data for a CNN	Second Award
346	Sen, Ritam	Utilizing Deep Learning to Explore the Physics of Sprinting: A Novel Sports	First Award
347	Smith, Joe	Lost in the Stars: Chemical Tagging of Magellanic Clouds and Accreted	First Award
348	Sternson, Samuel	Optimization of Height and Angle of Repose of Lunar Berms	First Award
349	Xie, Joann	Predicting Atmospheric Spectra of Exoplanets Using Deep Learning Algorithms	Second Award

SR - Plant Sciences

361	Chaidez, Roberto	To What Extent Does Soil Erosion Effect Plant Growth?	Second Award
361	Acevedo, Isabel	To What Extent Does Soil Erosion Effect Plant Growth?	Second Award
362	Bannister, Delilah	The Affect of Acid Rain pH Levels 3, 4, and 7 on the Growth and Germi	Third Award
363	Baruch, Hila	Triticum aestivum Seed Response to Electromagnetic and Magnetic Sti	First Award
364	Hernandez Ruiz, Valeria	How Effective is Coral-Safe Sunscreen In Protecting Water Plants Like '	Second Award
364	Berke, Jeremy	How Effective is Coral-Safe Sunscreen In Protecting Water Plants Like '	Second Award
365	Dela Cruz, Charissa Myka	Investigating the Impact of Buried Plastic on Germination and Growth o	Second Award
366	Luna, Diego	Organic Versus Synthetic Soil Affect on the Growth and Germination of	Third Award
367	Luo, Anna	Allelopathic Effects of Cynara cardunculus on Native Coastal Sage Scr	First Award
368	Rodriguez, Nicholas	UV-B Radiations impact on Growth and Germination of Triticum Aestivu	First Award
369	Rojas, Areli	To What Extent Does the Toxicity of Chlorine Affect the Raphanus sativi	Third Award
370	Roman, Andrea	The Effect of Microplastics on Elodea Plants	Third Award
371	Saxena, Parth	A Novel AI-Driven Rainfall Monitoring System for Sustainable Irrigation i	Second Award
372	Tipirneni, Siri	From Plants to Ecosystems: Using Nitrogen-15 to Detect Stress	First Award
373	Vergara, Frida	Fluoride vs. Growth: Analyzing Pinto Bean Germination.	Third Award
374	Zhang, Elvin	Automated Plant Disease Detection through Multi-sensory Analysis for '	First Award