SW Junior Science & Humanities Symposium

March 3 - 4, 2023

AWARD WINNERS

First Place ~ National JSHS Oral Presenter, $2000 scholarship

Eliana Juarez ~ V. Sue Cleveland High School (Rio Rancho, NM)
Project Title: *An Integrated Approach for Immediate and Long-Term Air Quality Regulation and Monitoring in Mexico*

Second Place ~ National JSHS Oral Presenter, $1500 scholarship

Aditya Koushik ~ La Cueva High School (Albuquerque, NM)
Project Title: *Deep Learning Prediction and In-vitro Validation of Novel Anti-cancer Peptides from Marine Taxa Database*

Third Place ~ National JSHS Poster Presenter, $1000 scholarship

Marissa Martinez ~ Monte Vista Senior High School (Monte Vista, CO)
Project Title: *The Efficacy of Abiotic/Biotic Factors and Trap Design for Effective Capture of Invasive American Bullfrog Tadpoles (Lithobates catesbeianus)*

Fourth Place ~ National JSHS Poster Presenter

Galilea Rodriguez ~ Harmony Science Academy (El Paso, TX)
Project Title: *Implementing Quantum-Classical Machine Learning Architectures to Optimize Convolutional Neural Networks*

Fifth Place ~ National JSHS Poster Presenter

Henry Tischler ~ Academy for Technology & the Classics (Santa Fe, NM)
Project Title: *Utilizing the Learned Latent Structure from Dimensionality Reduction Algorithms to Prevent the Effects of Catastrophic Forgetting in Neural Networks*

Poster Session Winners

Life Sciences

1st Place ($250) ~ George Privett
Rio Rancho High School

2nd Place ($150) ~ Diego Porras
Harmony Science Academy

3rd Place ($100) ~ Cassie Sandoval
School of Dreams Academy

Physical Sciences

1st Place ($250) ~ Rodrigo Valdes
Harmony Science Academy

2nd Place ($150) ~ Daniel Kim
Los Alamos High School

3rd Place ($100) ~ Augustus Miller
Monte Vista Senior High School