

**2018 Central NM Science Engineering Research Challenge
ISEF Qualifiers and Student Observers**

2018 ISEF Qualifiers

Exhibit#	Title	Name	Teacher/Sponsor	School
2306	An Investigation into Caffeine as a Migraine Treatment and its Effects on Spreading Depolarizations	Rusty Ludwigsen	Mark Walker	Early College Academy
1908	Analyzing Patterns within a Derived Egyptian Fraction Decomposition Algorithm	AnaMaria Perez	Kevin Fowler	Albuquerque Academy
2107	Analysis of Spidron-Fractal Based Structures in Force Absorption Applications	Skyler Hughes	Reginald Tyler	Albuquerque Institute of Math & Science
2314	Optimization of Lipid-Coated Mesoporous Silica Nanoparticles for Cancer Immunotherapy	Lien Tang	Pat Florence	Manzano High School

2018 ISEF Student Observers

816	Designing a Cognitive Anti-Jamming Communication System with Machine Learning and Reconfig Antennae	Milidu Jayaweera	Alicia Ruch-Flynn	Albuquerque Institute of Math & Science
912	Alternative Vascular Grafts	Jacob Sandusky	Danielle Plomaritas	The ASK Academy