

Harker School - High School Campus

Project Awards 2010

Synopsys Silicon Valley Science and Technology Championship

| School | Teacher | Student | Award | Title | Gr |
|------------------------------------|--------------|-----------------------|---|--|----|
| Harker School - High School Campus | Kate Schafer | Josephine Chen | 1st Award, Technical Paper | Functional Effects of Two Novel TnI Mutations Linked with Restrictive Cardiomyopathy (<i>Technical Paper</i>) | 11 |
| | | | \$100 for Best Technical Paper in Biological Sciences, Certificate, Dr. Paul X Callahan Technical Paper Awards | | |
| Harker School - High School Campus | Kate Schafer | Tiffany Chien | 1st Award, Individual Project, Chemistry Category | Modifying TZD Drug to Improve Metabolism in Body (<i>Chemistry</i>) | 11 |
| Harker School - High School Campus | Kate Schafer | Jeanette Chin | GR 10-12 Second place \$125 & certificate, Pauchon Foundation Award | Identification of Autoantigens in Psoriatic Arthritis (<i>Medicine/Health /Gerontology</i>) | 12 |
| | | | Honorable Mention: Certificate and Goody Bag, Association for Women in Science, Palo Alto Chapter | | |
| | | | 2nd Award, Technical Paper | | |
| Harker School - High School Campus | Kate Schafer | Alex Lee Han | 1st Award, Individual Project, Biochemistry/Microbiology Category | Celastrol, A Novel Inducer of the Stress Response Protein Heme Oxygenase-1, Confers Cytoprotection and Promotes Wound Healing in Cell Culture (<i>Biochemistry/Microbiology</i>) | 12 |
| | | | 1st Place : Bronze Medallion, Army Satchel, Certificate of Achievement in an embossed Certificate Folder, United States Army | | |
| | | | Grand Prize - Best of Championship - Biological Sciences - Trip to Intel ISEF, Santa Clara Valley Science & Engineering Fair Assn - Board of Directors Awards - High School | | |

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| | | | Honorable Mention Certificate (see comment below), MedImmune | | |
| | | | 1st Award, Technical Paper | | |
| Harker School - High School Campus | Kate Schafer | Aditi Sudhir Joshi | Honorable Mention, Individual Project, Behavioral/Social Category | The Effects of Sleep Deprivation On Brain Function (<i>Behavioral/Social</i>) | 11 |
| Harker School - High School Campus | Kate Schafer | Ashley Sarah Kling | 1st Place : Bronze Medallion, Army Satchel, Certificate of Achievement in an embossed Certificate Folder, United States Army | An iPhone Application to Induce Transaction Security via Secondary Authentication (<i>Engineering</i>) | 10 |
| Harker School - High School Campus | Kate Schafer | Revanth Kosaraju | 1st Award, Individual Project, Behavioral/Social Category | The Predictability and Abstractness of Language : A Study in Understanding and Usage of the English Language Through Probabilistic Modeling and Frequency (<i>Behavioral/Social</i>) | 10 |
| | | | Grand Prize - Best of Championship - Biological Sciences - Trip to Intel ISEF, Santa Clara Valley Science & Engineering Fair Assn - Board of Directors Awards - High School | | |
| | | | Santa Clara County Judging Committee High School Award of Excellence, \$ 50 and Certificate of Award from National APA, American Psychological Association | | |
| | | | 1st Award, Technical Paper | | |
| Harker School - High School Campus | Kate Schafer | Max Lan | 1st Award, Individual Project, Behavioral/Social Category | Altruistic Mindsets and Their Effects on Prosocial Behavior (<i>Behavioral/Social</i>) | 11 |
| Harker School - High School Campus | Kate Schafer | Andrea Lincoln | 2nd Award, Individual Project, Engineering Category | Fault Tolerance of Node Failures in a Stochastic Localization Algorithm for Wireless Sensor Networks (<i>Engineering</i>) | 12 |
| | | | \$100 check and certificate, Wireless Communications Alliance | | |
| | | | First Place HS- \$150 Cash plus cert, RAE Systems | | |

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| | | | HM :Army Satchel, Certificate of Achievement in an embossed Certificate folder, United States Army | | |
| | | | 2nd Award, Technical Paper | | |
| Harker School - High School Campus | Kate Schafer | Isaac A Madan | Honorable Mention, Individual Project, Medicine/Health /Gerontology Category | The Role of Bone Morphogenetic Protein Receptor 2 in the Assembly of Elastin Fibers (<i>Medicine/Health /Gerontology</i>) | 11 |
| | | | Honorable Mention, Technical Paper | | |
| Harker School - High School Campus | Kate Schafer | Pranav Jamdagneya Sharma | Honorable Mention, Individual Project, Medicine/Health /Gerontology Category | The Effects of Yoga & Chanting On Cardiovascular Health (<i>Medicine/Health /Gerontology</i>) | 9 |
| Harker School - High School Campus | Kate Schafer | Supraja Swamy | Certificate of Outstanding Achievement, Society for In Vitro Biology | Novel Effects of Muscarinic Receptor Regulation in Cytokine Mediated Airway Inflammation (<i>Medicine/Health /Gerontology</i>) | 11 |
| | | | Honorable Mention: Certificate and Goody Bag, Association for Women in Science, Palo Alto Chapter | | |
| | | | 2nd Award, Technical Paper | | |
| Harker School - High School Campus | Kate Schafer | Kiran N. Vodrahalli | Certificate of Achievement and instructions for Pewter Medallion (to come), Yale Science and Engineering Association | Modifications of Silicon Surface Morphology by Reactive Ion Etching and Resulting Impact on Electrical Charge Storage Capacity of Metal-Insulator-Metal Capacitors (<i>Engineering</i>) | 11 |
| | | | Gr 9-12, 2nd Place Award - \$75 Cash, magazine Subscription, Certificate, ASM International, A Society for Materials | | |
| | | | HM :Army Satchel, Certificate of Achievement in an embossed Certificate folder, United States Army | | |
| Harker School - High School Campus | Kate Schafer | Jason David Young | Honorable Mention, Individual Project, Biochemistry/Microbiology Category | A Comparative Study of Histone Modification Patterns in H1 Human Embryonic Stem Cells and Human Umbilical Vein Endothelial Cells | 11 |

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| | | | | <i>(Biochemistry/Microbiology)</i> | |
| Harker School - High School Campus | Kate Schafer | Kevin Jerry Zhang | Honorable Mention, Individual Project, Earth/Space Sciences Category | Extracting Information from Spectra of Andromeda Red Giant Stars: Temperature and Chemical Abundance <i>(Earth/Space Sciences)</i> | 12 |
| | | | Certificate of Achievement and VIP visit to NASA-Ames, NASA Ames Research Center | | |
| | | | 2nd Award, Technical Paper | | |
| Harker School - High School Campus | Kate Schafer | Andrew Chen Zhou | 1st Award, Technical Paper | Quantifying the Mix of Stellar Populations in Studies of the Andromeda Galaxy <i>(Technical Paper)</i> | 12 |