5/11/2011 5:00:00 PM SORTED BY GRAD/UNDERGRAD AND ALPHA OF PARTICIPANTS

| Group | Entry | Team Members | Project name | Advisor | G/U | MajorConcentration |
|---|---|---|---|---|---|---|
| GL | 40 | Abdul Azeez | A STUDY OF THE REACTION MECHANISM OF ARSENIC (III) WITH ZEROVALENT IRON | Dr. Bruce Mannir | Graduat | Chemistry |
| GL | 41 | Adam Leung | High-Throughtput Screening and Quantitation of Pesticides in Food by DART-Orbitrap Mass Spectrometry | Dr. Pete Palmer | Graduat | Chemistry |
| GP | 56 | Alex Broley | Domains of Best Approximation | Dr. Yitwah Cheur | Graduat | Analysis Mathematics |
| GP | 73 | Amber Jean Kuss | Effects of Climate Variability on Recharge in Regional Aquifers of the United States | Dr. Jason Gurdal | Graduat | Geosciences |
| GL | 1 | Andrew Core | A New Honey Bee Threat- the Parasitizing Phorid Fly *Apocephalus borealis* | Dr. John Hafernik | Graduat | Ecology and Systematics |
| GP | 78 | Andrew Fittingoff | Light Curves of Kuiper Belt Objects and the Search for Kuiper Belt Binaries | Dr. Joseph Barra | Graduat | Physics |

5/11/2011 5:00:00 PM SORTED BY GRAD/UNDERGRAD AND ALPHA OF PARTICIPANTS

| Group | Entry | Team Members | Project name | Advisor | G/U | MajorConcentration |
|---|---|---|---|---|---|---|
| GP | 74 | Anita Engelstad | Wave damping across the Louisiana shelf | Dr. Tim Janssen | Graduat | Oceanography |
| GL | 17 | Anithah Pillai | Histone acetylation profile changes in IFN-beta promoter region due to A | Dr. Steve Weinst | graduate | Cell and Molecular Biology |
| GL | 18 | Anna Marie Tuazon | Characterization of Genome Instability in *cdc24* Mutants in *S. pombe* | Dr. Sally Pasion | Graduat | Cell and Molecular Biology |
| GL | 19 | Arthur Chase | RNAi Screen for Mitotic Spindle Matrix Components | Dr. Blake Riggs | Graduat | Cell and Molecular Biology |
| GP | 63 | Ashley A Shimabuku | Cohen-Macaulayness of Initial Ideals of Normal Toric Ideals | Dr. Serkan Hoste | Graduat | Mathematics |
| GP | 52 | Avissa Tehrani | ANONYMOUS COMMUNICATION IN MOBILE AD HOC NE | Dr. Hamid Shahnas | Graduat | Embedded Electrical & Cor |

5/11/2011 5:00:00 PM SORTED BY GRAD/UNDERGRAD AND ALPHA OF PARTICIPANTS

| Group | Entry | Team Members | Project name | Advisor | G/U | MajorConcentration |
|---|---|---|---|---|---|---|
| GL | 20 | Beatriz Alvarado | Suppression Assay Development: Treg's role in suppressing anti-donor T cells proliferation in liver transplant patients | Dr. Blake Riggs | Graduat | Cell and Molecular Biology |
| GL | 2 | Carla DiGennaro | Balancing Act: How does the male maritime earwig (*Anisolabis maritima* ) balance male competition and female preference? | Dr. Andrew Zink | Graduat | Ecology and Systematics |
| GL | 3 | Carol Umanzor | Investigating the Experiences of Graduate Women of Color in Biology | Dr. Kimberly Tan | Graduat | Cell and Molecular Biology |
| GP | 64 | Catalina Betancourt | Extension of the Frobenius Coin Problem | Dr. Matthias Bec | Graduat | Mathematics |
| GL | 4 | Celeste Dodge | Is a deadly disease causing the decline of another amphibian in the Sierra Nevada? | Dr. Vance Vrede | Graduat | Ecology and Systematics |
| GP | 65 | Chris Chan | Evaluation of Tame Automorphisms | Dr. Joseph Gube | Graduat | Mathematics |

5/11/2011 5:00:00 PM SORTED BY GRAD/UNDERGRAD AND ALPHA OF PARTICIPANTS

| Group | Entry | Team Members | Project name | Advisor | G/U | MajorConcentration |
|---|---|---|---|---|---|---|
| GL | 9 | Christina Buck | SEASONAL FLUCTUATIONS IN PHYTOPLANKTON COMMUNITIES AND NUTRIENT LEVELS WITHIN A LOW INFLOW ESTUARY (DRAKES ESTERO MARINE CONSERVATION AREA, CA) | Dr. Frances Wilk | Graduat | Marine Biology |
| GL | 21 | Deena Hassanein | Identification of a secreted osteoclastogenic factor in irradiated pre-osteoclast cells | Dr. Steve Weinst | Graduat | Cell and Molecular Biology |
| GP | 53 | Di Lan | Design and Optimization of MEMS Implantable Passive Sensor for Biomedical Applications | Dr. Hao Jiang | Graduat | Electrical Engineering |
| GP | 66 | Dido Salazar-Torres | Marked Poset Polytopes | Dr. Federico Ardi | Graduat | Mathematics |
| GL | 33 | Diego Baptista | Developing a Cryogenic MCD Method to Study the Short-Lived Intermediates in Heme Monooxygenases | Dr. Raymond Es | Graduat | Biochemistry |
| GL | 34 | Eliot Morrison | Cofactor Recycling in Catabolic Metabolism of Styrene in *Pseudomonas putida* S12 | Dr. George Gass | Graduat | Biochemistry |

5/11/2011 5:00:00 PM SORTED BY GRAD/UNDERGRAD AND ALPHA OF PARTICIPANTS

| Group | Entry | Team Members | Project name | Advisor | G/U | MajorConcentration |
|---|---|---|---|---|---|---|
| GL | 25 | Emily Tung | Ultrastructure of thermophilic Archaeon Nitrosocaldus yellowstonii | Dr. José de la To | Graduat | Microbiology |
| GL | 22 | Farzad Ghamsari | Myotome Pioneers Cells (MPs) Not A First Myogenic Wave in Somites of Chicken Embryos | Dr. Wilfred Dene | Graduat | Cell and Molecular Biology |
| GP | 75 | Forrest Horton, Willie Hassett, and John Sommerfield | Geochronology and zircon geochemistry of Greater Himalayan leucogranites, NW India | Dr. Mary Leech | Graduat | Geosciences |
| GL | 10 | Hayley A. Carter | Effects of Ocean Acidification on the physiology of porcelain crab Petrolisthes cinctipes early life stages | Dr. Jonathon Still | Graduat | Marine Biology |
| GL | 26 | Hope M. Gray and Robert M. Theis | Evolution at the Origin: Comparative Genomics of the Archaea | Dr. Jose R. de la | Graduat | Microbiology & Computer Science |
| GP | 76 | Isaac Jones | Observations of wave-driven surf-zone dynamics on a high-energy beach, Ocean Beach, San Francisco | Dr. Tim Janssen | Graduat | Oceanography |

5/11/2011 5:00:00 PM SORTED BY GRAD/UNDERGRAD AND ALPHA OF PARTICIPANTS

| Group | Entry | Team Members | Project name | Advisor | G/U | MajorConcentration |
|---|---|---|---|---|---|---|
| GL | 5 | Issam Jadrane and Mikhail Kornievsky | Colletotrichum causes green island formation in white *Phalaenopsis* petals | Dr. Zheng-Hui He | Graduat | Cell & Molecular Biology and Botany |
| GP | 67 | Jack Love | Polytope theory: Mapping the square to the line segment | Dr. Joseph Gube | Graduat | Polytope Theory |
| GP | 79 | James A. Osborne | "Duality Violations in QCD" | Dr. Maarten Golt | Graduat | Theoretical Particles |
| GP | 57 | James Phillips | On Carmichael numbers with three distinct prime factors | Dr. Neville Robbi | Graduat | Mathematics |
| GL | 27 | Jason Liu | MicroRNAs, miR-302 and miR-372, promote human fibroblast reprogramming into induced pluripotent stem cells through multiple pathway. | Dr. Carmen Dom | Graduat | Cell and Molecular Biology |
| GL | 42 | Jicheng Zhang | Synthesis and evaluation of urearetics: a novel class of urea-transport targeting diuretic agents | Dr. Marc Anders | Graduat | Chemistry |

5/11/2011 5:00:00 PM SORTED BY GRAD/UNDERGRAD AND ALPHA OF PARTICIPANTS

| Group | Entry | Team Members | Project name | Advisor | G/U | MajorConcentration |
|---|---|---|---|---|---|---|
| GP | 54 | Jimmy Zhang | A High-Power Versatile Wireless Power Transfer for | Dr. Hao Jiang | Graduat | Electrical Engineering |
| GL | 43 | Jing Xiao | A New Bafilomycin with HDAC Inhibitory Activity from a Marine-Derived *Streptomyces* sp. | Dr. Taro Amagat | Graduat | Chemistry |
| GL | 44 | Juri Fukuda | Organic synthesis of IGF-1R inhibitor analogs for breast cancer therapy | Dr. Marc Anders | Graduat | Chemistry |
| GP | 58 | Katrina Wono | Analyzing TnpI Site-Specific Recombination at Hybrid Sites Using the Tangle Method | Dr. Maria Elena \ | Graduat | Mathematics |
| GL | 11 | Kristine Okimura | Physiological responses to ocean acidification in multiple strains of Emiliania huxleyi | Dr. Ed Carpenter | Graduat | Marine Biology |
| GL | 6 | Lakisha Witzel | Investigating Elementary School Students' Perceptions About the Benefits of Interacting With Scientists In Their Classrooms | Dr. Kimberly Tan | Graduat | Conservation Biology |

| Group | Entry | Team Members | Project name | Advisor | G/U | MajorConcentration |
|---|---|---|---|---|---|---|
| GL | 28 | Lidia Tekie | Cell therapy as a novel myopia treatment: determining a directed differentiation mechanism of adult limbal stem cells to become functional scleral fibroblasts. | Dr. Carmen Dom | Graduat | Cell and Molecular Biology |
| GL | 12 | Lina Ceballos-Osuna | Developmental effects of ocean acidification porcelain crab of the genus *Petrolisthes* | Dr. Jonathon Still | Graduat | Marine Biology |
| GL | 23 | Linda Szabo and Lydia Li | Analysis of the Role of Wntless in Formation of the Wnt Gradient in the Chick Neural Tube | Dr. Laura Burrus | Graduat | Cell and Molecular Biology |
| GL | 45 | Lisa van Diggelen | Synthesis of Amino Acid-Substituted Tetraphenylporphyrins for the Use in Photodynamic Therapy of Cancer | Dr. Ursula Simon | Graduat | Biochemistry |
| GP | 68 | Logan Godkin | Extension of Graph Polynomials to Signed Graphs | Dr. Matthias Bec | Graduat | Mathematics |
| GP | 46 | Manori Thakur (St | " DeBugger" - The MultiPlatform Educational Game | Dr. Ilmi Yoon | Graduat | Computer Science |

5/11/2011 5:00:00 PM SORTED BY GRAD/UNDERGRAD AND ALPHA OF PARTICIPANTS

| Group | Entry | Team Members | Project name | Advisor | G/U | MajorConcentration |
|---|---|---|---|---|---|---|
| GP | 47 | Marc Sosnick | Efficient Finite Difference-based Sound Synthesis us | Dr. William Hsu | Graduat | Computer Science |
| GL | 29 | Mariela Pauli | Suppression Assay Development: Treg's role in suppressing anti-donor T cells proliferation in liver transplant patients | Dr. Frank Bayliss | Graduat | Cell and Molecular Biology |
| GP | 69 | Mela Hardin | A new two-variable chromatic polynomial for signed ( | Dr. Matthias Bec | Graduat | Mathematics |
| GL | 30 | Michelle Wray | Manufacturing Donor-specific Regulatory T cells | Dr. Qizhi Tang (U | Graduat | Microbiology |
| GL | 35 | Mie A. Lansang | Quest for the Right Combination of Amino Acids: Activity Analysis of an Engineered Threonine Trypsin | Dr. Teaster Baird | Graduat | Biochemistry |
| GP | 59 | Mike Steiner | Homological analysis of signaling pathways | Dr. Javier Arsuag | Graduat | Mathematics |

| Group | Entry | Team Members | Project name | Advisor | G/U | MajorConcentration |
|---|---|---|---|---|---|---|
| GL | 31 | Miyuki Suzuki | Multi-organ segmentation with missing organs; atlas-guided approach | Dr. Kazunori Oka | Graduat | Computer Science |
| GP | 60 | Mousa Rebouh | Analysis of breast cancer data using topological and geometrical methods. | Dr. Maria Elena \ | Graduat | Mathematics |
| GP | 48 | Channabasappa Rajashekar, Ian Umemoto, and Hunvil Rodrigues | | Dr. Ilmi Yoon | Graduat | Computer Science |
| GP | 70 | Nick Dowdall | A new Two variable Chromatic Polynomial for signed graphs | Dr. Matthias Bec | Graduat | Mathematics |
| GP | 77 | Pariskeh Hosseini | EBSD analysis of eclogites rocks from the Marun-Keu complex, Polar Urals, Russia | Dr. Mary Leech | Graduat | Geosciences |
| GP | 80 | Patrick Dunn | Center vortices and quark confinement | Dr. Jeff Greensite | Graduat | Physics & Astronomy |

| Group | Entry | Team Members | Project name | Advisor | G/U | MajorConcentration |
|---|---|---|---|---|---|---|
| GL | 36 | Pooncharas Tipgunlakant, Daniel Asarnow, Diego Baptista, Gregory Alan Ho, Christopher Bernt, | The effect of magnesium on nitric oxide synthase activity | Dr. Raymond Esc | Graduat | Biochemistry |
| GL | 37 | Priyanka Chandrasekaran | Preparation and biochemical characterization of mutants of Styrene Monooxygenase from *Pseudomonas putida* S12 | Dr. George Gass | Graduat | Biochemistry |
| GL | 13 | Roth Ea, Laura Mendoza, Adrian Chase, Abhishek Seth and Dr. Megumi Fuse | The Role of GABA as an Inhibitory Neurotransmitter during Ecdysis in *Manduca sexta* | Dr. Megumi Fuse | Graduat | Behavioral Biology and Physiology |
| GL | 7 | Sam McNally | Retrospective Survey of an Amphibian Pathogen in the Sierra Nevada | Dr. Vance Vreder | Graduat | Conservation Biology |
| GL | 14 | Sarah Blaser | Effect of diuron and imazapyr herbicides on phytoplankton in the San Francisco Estuary | Dr. Frances Wilk | Graduat | Marine Biology |
| GL | 38 | Sindy Liao | Biochemical Characterization of an N-terminally Histidine Tagged Styrene Oxide Isomerase from *Pseudomonas putida* S12 | Dr. George Gassne | Graduat | Biochemistry |

| Group | Entry | Team Members | Project name | Advisor | G/U | MajorConcentration |
|---|---|---|---|---|---|---|
| GL | 24 | Stephanie Hyland and Lilia Torres | Developing a real-time Taqman PCR assay to detect violacein from *Janthinobacterium lividum* | Dr. Vance Vreder | graduate | Cell and Molecular Biology |
| GP | 61 | Steven Li | Identifying Avian Vocalizations Through the Gabor Transform | Dr. Shidong Li | Graduat | Mathematics |
| GP | 81 | Suzanne Hayward | A Search for Helium-Core White Dwarfs in Omega Centauri | Dr. Adrienne Coo | Graduat | Physics and Astronomy |
| GP | 62 | Tatsiana Maskalevich | TESTING CHROMOSOME PROXIMITY HYPOTHES | Dr. Serkan Hoste | Graduat | Mathematics |
| GP | 49 | Teague Sterling and Cassidy I | WICE — An Extensible Web Interface for Scient | Dr. Ilmi Yoon | Graduat | Computer Science |
| GP | 50 | Teague Sterling and Trevor B | FEATURE 2.0 | Petkovic, Mike Wong, Dr. Russ Altman (Stanford), | Graduat | Computer Science |

5/11/2011 5:00:00 PM SORTED BY GRAD/UNDERGRAD AND ALPHA OF PARTICIPANTS

| Group | Entry | Team Members | Project name | Advisor | G/U | MajorConcentration |
|---|---|---|---|---|---|---|
| GP | 71 | Tia Baker | Poset simplification of reconfigurable systems | Dr. Federico Ardi | Graduat | mathematics |
| GL | 8 | Tina Cheng | Coincident mass extirpation of neotropical amphibians | Dr. Vance Vreder | Graduat | Ecology and Systematics |
| GP | 51 | Tingting Sun | Automatic Lesson Planner | Dr. Kazunori Oka | Graduat | Computer Science |
| GL | 15 | Tracy Wadsworth | Establishing the Presence of a Circadian Rhythm Regulating Ecdysis Behaviors in *Carausius morosus,* the Stick Insect | Dr. Megumi Fuse | Graduat | Behavioral Biology and Physiology |
| GL | 32 | Trevor Gokey | *In silico* prediction of enzymatic activity of threonine protease variants. | Dr. Anton Guliaev | Graduat | CCLS |
| GP | 72 | Tu Trung Pham | Enumeration of Golomb Rulers | Dr. Matthias Beck | Graduat | Mathematics |

5/11/2011 5:00:00 PM SORTED BY GRAD/UNDERGRAD AND ALPHA OF PARTICIPANTS

| Group | Entry | Team Members | Project name | Advisor | G/U | MajorConcentration |
|---|---|---|---|---|---|---|
| GL | 16 | Xi Chen | Is there a synergistic effect of thermal and osmotic stress on metabolic performance in freshwater zooplankton? | Dr. Jonathon Still | Graduat | Marine Biology |
| GP | 55 | Xu Zhou | Reliability Enhancement of Power Gating Transistor under Time Dependant Dielectric Breakdown | Dr. Hamid Mahm | Graduat | Electrical Engineering |
| GL | 39 | Zahira Begum | Investigation of Rat Anionic Trypsin's Catalysis by Mutation of Phenylalanine 41 to Isoleucine and Valine | Dr. Teaster Baird | Graduat | Biochemistry |
| UP | 121 | Aaron Miller and Bader Alroqi | Automated Door Lock | Dr. Tom Holton a | Undergr | Electrical Engineering |
| UL | 82 | Agni Naidu and W. Cameron Jasper | CG Methylation in the Red Harvester Ant | Dr. Christopher Sm | Undergr | Cell and Molecular Biology |
| UP | 110 | Alejandro Samaniego | Using Knot Theory to Identify and Enumerate Knots of Circular DNA Molecules | Dr. Maria Elena \ | Undergr | Mathematics |

| Group | Entry | Team Members | Project name | Advisor | G/U | MajorConcentration |
|---|---|---|---|---|---|---|
| UL | 88 | Alexandra Koba and Laura Johnson | Art and Science of Anatomy: Hemi-section of the Head and Neck | Dr. Dennis Schul | Undergr | Physiology |
| UP | 111 | Alexandra Miller | Unusual Beam Dynamics in 3-Dimensional Photonic Lattices | Dr. Zhigang Cher | Undergr | Physics |
| UL | 95 | Anna Batt | The role of a second shell hydrophobic interaction in trypsin-fold serine protease function. | Dr. Teaster Baird | Undergr | Biochemistry |
| UP | 123 | Antoine Griffin, Henry Slonsky, Haris Alijagic | HydroJet RC | Dr. Thomas Holto | Undergr | Mechanical and Electrical Engineering |
| UL | 89 | Ariel Aveo | Ecdysis Triggering Hormone Induces Motor Patterns During the Intermolt Period in the Hornworm | Dr. Megumi Fuse | Undergr | Physiology |
| UL | 90 | Armbien Sabillo and Vanja Krneta-Stankic | Tracking Cell Migration during Muscle Formation in the X. laevis Embryo | Dr. Carmen Dom | Undergr | Physiology |

| Group | Entry | Team Members | Project name | Advisor | G/U | MajorConcentration |
|---|---|---|---|---|---|---|
| UP | 104 | Brianne Mack, Shirin Usmani, and Diana Mars | Low Temperature Synthesis of {001} Oriented Anatase Films | Dr. Andrew Ichim | Undergr | Chemistry |
| UL | 83 | Camila Teng | Frizzled10 Is Required For Cell Survival In the Chick Neural Tube | Dr. Laura Burrus | undergra | Cell and Molecular Biology |
| UL | 96 | Charles Bupp | Designing and Evaluating Portable X-Ray Methods for Counterfeit Pharmaceutical Drug Detection | Dr. Peter T. Palm | Undergr | Chemistry |
| UL | 84 | Chaundra Cox, Travis Siapno, Jessica Van Den Berg, and Erik Young | Cataloguing Arthropod Biodiversity through DNA Baracoding at the California Academy of Sciences | Dr. Christopher S | Undergr | Physiology, MARINE BIO/LIMNOLOGY |
| UP | 112 | Clarence Li, Linh Ly, Nathan Miao, Misty Hasey, Chokri Sahkri, Patrick Babasa, and Leonard Lin | Double Arched Bridge | Dr. Cheng Chen | Undergr | Civil Engineering |
| UL | 97 | Conny Louridas | Electron microscope imaging of photo-dynamically treated LNCaP prostate cancer cells | Dr. Isaac Meden | Undergr | Chemistry |

| Group | Entry | Team Members | Project name | Advisor | G/U | MajorConcentration |
|---|---|---|---|---|---|---|
| UP | 113 | Daniel Aguirre, Ryan Oldham, Carlos Arias, Michelle Quan, and Ramon Cabral | Geotechnical Home Development and Foundation Design | Dr. Tim D'Orazio | Undergr | Civil Engineering |
| UP | 125 | Daniel Lake and Nathan Taylor | Thermoacoustic Refrigeration Test Unit | Dr. Morris Meger | Undergr | Mechanical Engineering |
| UP | 114 | David Canill, Stephen Ramos, Melissa Roncal, Randy Dilag, Averill Salonga, Gonzalo Escudero, Sergio | Arch Nemesis Timber Bridge | Dr. Cheng Chen | Undergr | Civil Engineering |
| UL | 91 | David Canio and Jared Geibig | Profiles of cGMP are Altered During Artificially-Induced Ecdysis Behaviors in Decerebrated *Manduca sexta* | Dr. Megumi Fuse | Undergr | Physiology |
| UP | 105 | Devin Nelson | Alkali Metal Doped Zeolites as Solid State Reducing Agents | Dr. Andrew Ichim | Undergr | Physical and Materials Chemistry |
| UP | 106 | Diana Mars | Hydrothermal Synthesis of Pyrite Thin Films on Gold Substrates | Dr. Andrew Ichim | Undergr | Chemistry |

| Group | Entry | Team Members | Project name | Advisor | G/U | MajorConcentration |
|---|---|---|---|---|---|---|
| UP | 115 | Dmitriy Lashkevich, Benjamin Zhang, and Steven Pagaza | Geotechnical Analysis and Design, Senior Project Group 2 | Dr. Tim D'Orazio | Undergr | Civil Engineering |
| UL | 98 | Dug Mei and Leah Johnson | Effects of Refrigeration on Porewater Dissolved Organic Carbon Concentrations | Dr. Tomoko Kom | Undergr | Biochemistry and Chemistry |
| UP | 108 | Emilio Esposito and Richard Soss | Wave Rider Buoy | Dr. Tim Janssen | Undergr | Oceanography |
| UP | 107 | Enrique Maycotte | Mobile Device Controlled Robot | Dr. William Hsu | Undergr | Computer Science |
| UP | 126 | Heather Esposito | Human-Powered Forward-Propelled Rowing Mechanism | Dr. Morris Meger | Undergr | Mechanical Engineering |
| UL | 85 | Jainee Lewis and Mina Mostafavi | Regulatable gene expression in the plant symbiont *Sinorhizobium meliloti* | Dr. Joseph Chen | Undergr | Cell and Molecular Biology |

| Group | Entry | Team Members | Project name | Advisor | G/U | MajorConcentration |
|---|---|---|---|---|---|---|
| UL | 99 | Jessica Angat, Megan Montgomery, Philip Swigart, Bat Myagmar, Croft Thomas, Marietta Paningbatan, and Paul | Effects of chronic β-blocker infusion on wild-type C57BL6/J mouse strain | Dr. Teaster Baird | Undergr | Biochemistry |
| UL | 100 | Jessica Shealor | Improved Method for Screening Leachable Elements in Tableware | Dr. Peter Palmer | Undergr | Biochemistry |
| UP | 127 | Joachim Pedersen, Heather Esposito, and Mark Brunson | Rapid Plasma-Assisted, Ambient-Pressure Deposition of Conformal Nanocrystalline Zinc Oxide Thin Films for Solar Cell Applications | Dr. Kwok-Siong T | Undergr | Mechanical Engineering |
| UP | 116 | Jonathan Potter, Ghazal Oshagi, Daniel Kwok, and Zico Hamdani | Geotechnical Home Development Settlement Analysis and Foundation Comparison | Dr. Tim D'Orazio | Undergr | Civil Engineering |
| UP | 124 | Jose Herrera, Santee Hernandez, and Raymond Cooper | Smart Irrigation System | Dr. Thomas Holto | Undergr | Mechanical and Electrical Engineering |
| UL | 101 | Kate Markham, Dr. Christian Gaertner, and Dr. Ihsan Erden | A Novel Tandem Intramolecular Cyclopropylnitrone Cycloaddition-Cycloreversion | Dr. Ihsan Erden | Undergr | Biochemistry |

| Group | Entry | Team Members | Project name | Advisor | G/U | MajorConcentration |
|---|---|---|---|---|---|---|
| UL | 92 | Louie Ramos | Characterizing the Hormone Signaling Pathway of Damage Induced Developmental Delay in the Tobacco Hornworm, *Manduca sexta* | Dr. Megumi Fuse | Undergr | Physiology |
| UL | 93 | Marie Danica Obligacion | Michael and Conjugate Additions onto Fulvenes and 6-Vinylfulvenes | Dr. Ihsan Erden | Undergr | Physiology |
| UP | 109 | Matthew Kassouf and Alexandria Andonian | Kite Sounding the Surface Layer of the Atmosphere | Dr. Andrew Oliphar | Undergr | Atmospheric Science |
| UP | 117 | Nicholas Schulz, Lisette Berumen, Corey Wageman, Ruben Donahan, Chris Prokop, Andrew Manosca, and | SFSU Steel Bridge Team | Dr. Cheng Chen | Undergr | Civil Engineering |
| UL | 94 | Nicholas Silva | The immediate responses of imaginal discs and hemocyte population to irradiation of larval Manduca sexta | Dr. Megumi Fuse | Undergr | Physiology |
| UP | 118 | Randy Leonard, Oskar Garcia, Qi Ming Zeng, Sean Lennan, Elliot House, Jian Hui Zhou, Shirley Altamirano, Lea | SFSU 2011 Seismic Design Competition | Dr. Cheng Chen | Undergr | Civil Engineering |

5/11/2011 5:00:00 PM SORTED BY GRAD/UNDERGRAD AND ALPHA OF PARTICIPANTS

| Group | Entry | Team Members | Project name | Advisor | G/U | MajorConcentration |
|---|---|---|---|---|---|---|
| UL | 102 | Ronald Tan | Synthesis of Chloro-Substituted Pyridones | Dr. Weiming Wu | Undergr | Biochemistry |
| UP | 122 | Sean Carrington and Lorenzo Were | Internet Alarm Clock | Dr. Thomas Holto | Undergr | Electrical Engineering |
| UP | 128 | Shifteh Shannon and Thomas Jimenez | The walker robot | Dr. Morris Meger | Undergr | Mechanical Engineering |
| UL | 86 | Thais Cintra, Dr. Jui-ching Wu, Aiza Go, and Dr. Diana Chu | Defining Roles of Evolutionary PP1 Phosphatases in Sperm Function and Male Fertility | Dr. Diana Chu | Undergr | Physiology |
| UP | 120 | Thomas Pedersen and Shaun Dern | Smart Chessboard | Dr. Tom Holton | Undergr | Computer Engineering |
| UL | 87 | Tyler Curran and Seung Jong Lee | Ectoderm Periderm Cells Undergo Major Morphological Changes at the Neural Tube and Medial Somites and Correlate with Nitric Oxide Signal Patterns | Dr. Wilfred Denet | undergra | Cell and Molecular |

| Group | Entry | Team Members | Project name | Advisor | G/U | MajorConcentration |
|---|---|---|---|---|---|---|
| UL | 103 | Vedud Purde | How Cargos Move Towards the Microtubule Minus Ends in Plant Cells | Dr. Ahmet Yildiz ( | Undergr | Biochemistry |
| UP | 119 | Vincent Diep, Omid Masoui, José E. Pérez, Mauricio Rivera, Gary Yung, and Moiz Mansuri | Construction Scheduling and Estimating | Dr. Timothy D'Or | Undergr | Civil Engineering |
| 97a | | John Youngblood | Unlocking the Cage: The Effect of a Y39F Substitution on Serine Protease Activity | Dr. Teaster Baird | Undergr | Biochemistry |
| 72a | | Leah Johnson | Determination of natural 14C abundances in dissolve | Dr. Tomoko Kom | Graduat | Applied Geosciences |
| | | | | | | |

5/11/2011 5:00:00 PM SORTED BY GRAD/UNDERGRAD AND ALPHA OF PARTICIPANTS

| Group | Entry | Team Members | Project name | Advisor | G/U | MajorConcentration |
|---|---|---|---|---|---|---|
| | Withdrew | Emelia Halog Padilla, Lea Lough, and Dr. Raymond M. Esquerra | Monitoring effect of ligand binding to myoglobin using Magnetic circular dichroism (MCD) | Dr. Raymond M. | Graduat | Biochemistry |
| | Withdrew | Kathryn Danielson | Investigating Undergraduates' Conceptions & Misconceptions of Ocean Climate Change | Dr. Kimberly Tan | Graduat | Marine Biology |
| | Withdrew | Shreyas Kumar Krishnappa | Comparative BTI Reliability Analysis of SRAM Cell Designs in Nano-Scale CMOS Technology | Dr. Hamid Mahm | Graduat | Embedded Electrical and Computer Systems Engineering |
| | Withdrew | Rabab AbdulAziz Khodary | The role of Arf1 in mitotic chromosome segregation | Dr. Blake Riggs | Graduat | Cell and Molecular Biology |

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