

| | Entry | Group | Team Members | Project name | Advisor | Major Concentration | G/U |
|-------|-------|-------|--|---|---|--------------------------|----------|
| | 1 | GB | Patrick Edward Kraus Boyd | Terror Management: Upward and Downward Mental Simulations of Mortality | Dr. Charlotte Chuck Tate | Social Psychology | graduate |
| | 2 | GB | Aggie Wong | Social Interactions, Age and Aggression: Negative Behaviors in Preschoolers | Dr. Jeffrey Cookston | Developmental Psychology | graduate |
| | 3 | GB | Danika Maddocks | Preschool Social Ratings: The Influence of Visibility and Negativity | Dr. Jeffrey Cookston and Dr. Patricia Miller | Developmental Psychology | Graduate |
| | 4 | GB | Luke Remy | The Social Cognitive Preschooler: A Comprehensive Study of Children | Dr. Jeffrey Cookston | Developmental Psychology | graduate |
| | 5 | GB | Toi Sin Arvidsson | How Did You Choose Your Major?: A Cross-Cultural Study of Interest, Employment Opportunities, and Motivation Among College Students | Dr. Jeffrey Cookston | Developmental Psychology | graduate |
| | 6 | GB | Toi Sin Arvidsson, Brea Kelsey, and Vanessa Calavano | Your Brain, Yourself!: Preparing Pre-Adolescents to Adopt a Grow | Dr. Jeffrey Cookston and Dr. Patricia Miller | Developmental Psychology | graduate |
| | 7 | GB | Trang Nguyen, Jason Chung (Young Jin Nahm, Yonsei University, South Korea), Dr. Do-Joon Yi (Yonsei University, South Korea), and Young Shin Montgomery | Cultural differences in factors associated with academic achievement | Dr. Jae Hee Paik, Dr. Jeffrey Cookston, and Dr. Seung Hee Yoo | Developmental Psychology | graduate |
| | 8 | GB | Alison Wu | Conflict Behavior in Romantic Relationships: The Role of Self-Compassion and Self-Esteem | Dr. Seung Hee Yoo | Psychology | Graduate |
| | 9 | GB | Christine Godwin and Allison McBride | Phenomenology of the Stream of Consciousness: Introspections about Thoughts and the Internal Observer | Dr. Ezequiel Morsella and Dr. Mark W. Geisler | Psychology | Graduate |
| | 10 | GB | Eric Splan, Tyler Allen, and James McGraw | When the Young Walk in Elderly Shoes: Perspective-Taking and Social Distance | Dr. Avi Ben-Zeev | Psychology | Graduate |
| | 11 | GB | Erica Duggan, Liz Scharnetzki, and William Krenzer | When Ignorance is Bliss: Knowledge of Stereotype Threat Heightens Endorsement of Gender Essentialism | Dr. Avi Ben-Zeev | Psychology | Graduate |
| | 12 | GB | Jason Chung | Korean American Intergroup Attitudes and Perceived Intergroup Emotions | Dr. Seung Hee Yoo | Psychology | graduate |
| | 13 | GB | Lara Krisst | Introspections about Visual Sensory Memory during the Classic Sperling Iconic Memory Task | Dr. Ezequiel Morsella | Psychology | Graduate |
| | 14 | GB | Noriko Tanigawa | Phonological Underspecification in the Mental Lexicon: Evidence from Event-Related Potentials and Spectral Perturbation | John J. Kim | Psychology | Graduate |
| | 15 | GB | Robin I. Goodrich, Jason Samaha, Lars F. Hedin, Darwin Guevarra, and Sierra P. Niblett | Evidence for cross-gender effects on attentional and categorical processing of faces | Dr. Avi Ben-Zeev and Dr. Mark W. Geisler | Psychology | graduate |
| | 16 | GB | Tiffany Jantz | Effects of External Distractors on Rehearsal Frequency and Working Memory Based Action Production | Dr. Ezequiel Morsella | Psychology | graduate |
| Displ | 17 | GB | Amy H. Sanchez | A New Understanding of Anhedonia in Schizophrenia: Evidence from Daily Life | Dr. David E. Gard | Psychology | Graduate |

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| Displ | 18 | GL | Constance Chow | Evaluation of Early Banking in the CloneFix™ FL Cell Line Development Protocol | Dr. Lily Chen | Biomedical Sciences | graduate |
| | 19 | GL | Dianna Baldwin | Sphingosine-1-phosphate lyase is required for myogenic differentiation and myogenic microRNA expression in C2C12 cells | Dr. Carmen Domingo | Stem Cell Science | graduate |
| | 20 | GL | Arrezo Moghaddasi, Danielle Kellar, and Jennifer Griswold | Characterization of Germ Cell Development of Human Schistosome Parasite | Dr. Lily Chen | Cell and Molecular Biology | Graduate |
| | 21 | GL | Ben Brown | Examining the Role of ATF3 Splice Variants on INF- γ Expression | Dr. Steven Weinstein | Cell and Molecular Biology | Graduate |
| | 22 | GL | Chris Alleyne-Chin | Notch3 Controls Tumor Sphere Formation in a Non-Small Cell Lung Cancer Model | Dr. Alejandro Sweet-Cordero (Stanford University) | Cell and Molecular Biology | Graduate |
| | 23 | GL | Glen Walton | Alternate Forms of ATF3 Interaction and Function in Mouse Macrophages | Dr. Steven Weinstein | Cell and Molecular Biology | Graduate |
| | 24 | GL | Marsha Paes | Effect of Introducing Activating Transcription Factor 3 (ATF3) into ATF3 ^{-/-} Mouse Macrophages | Dr. Steven Weinstein | Cell and Molecular Biology | graduate |
| | 25 | GL | Shani M.C. Chapman | Identification of a second site suppressor of <i>cdc24</i> in <i>Schizosaccharomyces pombe</i> | Dr. Sally G. Pasion | Cell and Molecular Biology | graduate |
| | 26 | GL | Tyler Curran | Revealing the Regulators of Sperm-Specific Enzymes Needed for Fertility | Dr. Diana Chu | Cell and molecular biology | Graduate |
| | 27 | GL | Devi Paulvannan | Reprogramming with Oocyte Factors to Generate Induced Pluripotent Stem Cells | Dr. Lily Chen | Microbiology | graduate |
| DISP | 28 | GL | Danielle Kellar and Jennifer Griswold | Differentiation of Embryonic Stem Cells into Cardiomyocytes | Dr. Lily Chen | Microbiology | graduate |
| | 29 | GL | Darragh Clancy | Examining Fusion Rates and Genetic Diversity of an Invasive Colonial Ascidian in Whiting Harbor, Alaska | Dr. Sarah Cohen | Conservation Biology | graduate |
| | 30 | GL | Martha Maria Velez | Comparative analysis of sampling techniques for OthV-1 detection in California sea lions | Dr. Frank Cipriano | Conservation biology | graduate |
| | 31 | GL | Celeste Dodge | Understanding Enigma: The effects of a fungal pathogen on wild Yosemite toad populations | Dr. Vance T. Vredenburg | Ecology and Systematic Biology | Graduate |
| | 32 | GL | Lilia Ornelas | Aging in the Central Nervous System | Dr. Chris Moffatt | Physiology and Behavioral Biology | Graduate |
| | 33 | GL | Sara Boles, Annaliese Hettinger, Dr. Brian Gaylord, and Eric Sanford | Metabolic costs of ocean acidification on growth and development of the native Olympia oyster, <i>Ostrea lurida</i> | Dr. Anne Todgham | Physiology and Behavioral Biology | graduate |
| | 34 | GL | Brittany E. Bjelde and Dr. Jonathon H. Stillman | Physiological performance of <i>Lottia digitalis</i> : thermal sensitivity and limits to intertidal conditions | Dr. Anne Todgham | Marine Biology | graduate |

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|------|-------|-------|---|--|---|---------------------|----------|
| | 35 | GL | Hayley Anne Carter | SCIENTIFIC FORMATION OF PETALS ON THE MEMBRANE: THE ENERGY OF INTERTIDAL PORCELAIN CRAB (GENUS: <i>PETROLISTHES</i>) EARLY LIFE HISTORY STAGES | Dr. Jonathon Stillman | Marine Biology | graduate |
| | 36 | GL | Karen Kayfetz | An Analysis of Copepod Feeding Using FlowCAM | Dr. Wim Kimmerer | Marine Biology | graduate |
| | 37 | GL | Rachel E. Dorfman | STRAIN-SPECIFIC RESPONSES TO NITROGEN SOURCE IN COCCOLITHOPHORES | Dr. Jonathon Stillman | Marine Biology | graduate |
| Disp | 38 | GL | Suzanne Manugian | Survival of post parturient adult female harbor seals (<i>Phoca vitulina</i>) in San Francisco and Tomales bays, California: preliminary results | Dr. James Harvey (Moss Landing Marine Laboratory) | Marine Science | Graduate |
| | 39 | GL | Anna Batt | Probing First & Second Shell Prime Side Interaction in Trypsin-Fold Serine Protease Function | Dr. Teaster Baird Jr. | Biochemistry | graduate |
| | 40 | GL | Diego Baptista | Trapping Intermediates: Developing A Method for Cryogenic Magnetic Circular Dichroism | Dr. Raymond Esquerra | Biochemistry | Graduate |
| | 41 | GL | Emelia Padilla, Wes Salameh, Apurwa Sharma, and Susie Calhoun | The effect of co-solvents on the occupancy of non-coordinated internal water in the distal pocket of myoglobin | Dr. Raymond Esquerra | Biochemistry | graduate |
| | 42 | GL | Kathryn Tucker, Brian Hamilton, and Dirk Tischler | Expression Purification and Characterization of Novel Styrene Monooxygenase Fusion Proteins for Biocatalysis | Dr. George Gassner | Biochemistry | graduate |
| | 43 | GL | Nicole Noel Chaffe | Marine Actinomycetes: The Search for Novel Secondary Metabolites with Sir2p Inhibition | Dr. Taro Amagata | Biochemistry | graduate |
| | 44 | GL | Priyanka Chandrasekaran | Biochemical characterization of mutants of styrene monooxygenase from <i>P.putida</i> S12 | Dr. George Gassner | Biochemistry | graduate |
| | 45 | GL | Zahira Begum | Investigation of Rat Anionic Trysin Specificity and Selectivity by Mutation of Residue 41 to Isoleucine and Valine | Dr. Teaster Baird Jr. | Biochemistry | graduate |

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|------|-------|-------|---------------------------|--|---|---------------------|----------|
| | 46 | GP | Yan Liu and Jicheng Zhang | Synthesis and evaluation of urearetics: a novel class of urea-transport targeting diuretic agents | Dr. Marc Anderson | Chemistry | graduate |
| | 47 | GP | Yan Zhao | Reaction and analysis of As in Fort Funston, san francisco, CA | Dr. Bruce A. Manning | Chemistry | graduate |
| | 48 | GP | Andrea Dransfield | Where the Whales are: Using Habitat Modeling to Inform Marine Spatial Planning | Dr. Ellen Hines | Geography | graduate |
| | 49 | GP | Owen Parker | Object-based Segmentation of Multi-temporal Quickbird Imagery for Landslide Detection | Dr. Leonhard Blesius | Geography | Graduate |
| Disp | 50 | GP | Michelle Newcomer | Recharge Beneath Low Impact Development and the Effects of Climate Variability | Dr. Jason Gurdak | Geosciences | Graduate |
| | 51 | GP | Carlos Hernandez | A search for helium white dwarfs and their role in the globular star cluster NGC 6752 | Dr. Adrienne Cool | Physics | Graduate |
| | 52 | GP | Glenna Dunn | A Search for Missing Binary Stars in the Globular Cluster NGC 6397 | Dr. Adrienne Cool | Physics | Graduate |
| | 53 | GP | Michael Lau | Observation of self-induced transparency in nano-suspensions with negative polarizability | Dr. Weining Man | Physics | Graduate |
| | 54 | GP | Seyed Reza Hashemizad | The first experimental demonstration of a complete Photonic Band Gap in 2D Hyper-uniform disordered structures | Dr. Weining Man | Physics | graduate |
| | 55 | GP | Zoe Ames | Searching for the Lowest Mass Products of Star-Formation in IC 348 | Dr. Mary Barsony and Dr. Glenn McCarthy | Physics | Graduate |
| | 56 | GP | Brian Cruz | Investigating DNA knotting in bacteriophages using stochastic methods | Dr. Mariel Vazquez | Mathematics | Graduate |
| | 57 | GP | Catalina Betancourt | Generalizing the Frobenius Coin Problem | Dr. Matthias Beck | Mathematics | graduate |
| | 58 | UP | Hong Guo | Wormlike Chain Model of DNA | Dr. Mariel Vazquez | Mathematics | graduate |
| | 59 | GP | James McErlain | The Simplicial Linear Picard Group | Dr. Joseph Gubeladze | Mathematics | Graduate |
| | 60 | GP | Katrina Wono | Three Dimensional Analysis of the Tnpl Site-Specific Recombination | Dr. Mariel Vazquez | Mathematics | graduate |
| | 61 | GP | Lisa Clayton | Microarray Data Imputation Using Local Singular Value Decomposition | Dr. Rahul Singh | Mathematics | Graduate |
| | 62 | GP | Matthew Mccracken Simms | Using Statistical Methods to Evaluate Large Enrollment Changes in California Public Schools | Dr. Mohammad Kafai | Mathematics | Graduate |
| | 63 | GP | Michael James Garcia | Effective Duistermaat van der Kallen | Dr. Joseph Gubeladze | Mathematics | graduate |
| | 64 | GP | Mousa Rebouh | Topological methods for exploring genomic imbalance in breast cancer | Dr. Mariel Vazquez | Mathematics | Graduate |
| | 65 | GP | Rika Yatchak | Reconfigurable systems and the Fibonacci snake | Dr. Federico Ardila | Mathematics | Graduate |

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| | 66 | GP | Asha Rani Hongenalli Chandrappa and Vishal Ratansingh Sharma | ER Design Tools | Dr. Marguerite C. Murphy | Computer Science | Graduate |
| | 67 | GP | Asim Utku Zihnioglu | Zombee Watch | Dr. Dragutin Petkovic and Dr. John Hafernik | Computer Science | Graduate |
| | 68 | GP | Jingjing Liu | Software Quality Assurance with Cloud Computing: Case Study | Wong, Dr. Russ Altman (Stanford University) | Computer Science | Graduate |
| | 69 | GP | Lorenzo Flores, Mike Wong, and Grace Tang | Using Support Vector Machine Classification with FEATURE | Dr. Dragutin Petkovic, Ljubomir Buturovi, and Dr. Russ Altman | Computer Science | graduate |
| | 70 | GP | Marc Sosnick, Aishwarya Iyer, and Shenhaochen Zhu | Using Machine Learning for Assessment and Prediction of Teamwork Effectiveness in Software Engineering Education | Dr. Dragutin Petkovic and Dr. Kasunori Okada | Computer Science | graduate |
| | 71 | GP | Nandeesh Rajashekar, Omkar Dangat, and XuYuan Si | SFSU Observer Project | Dr. Christopher D. Smith and Dr. Marguerite C. Murphy | Computer Science | Graduate |
| | 72 | GP | Trevor Gokey and Dr. Anton Guliaev | Molecular dynamics simulations of trypsin active site variants | Dr. Anton Guliaev | Computing for Life Sciences | Graduate |
| | 73 | GP | Di Lan | A LOW-FREQUENCY VERSATILE WIRELESS POWER TRANSFER TECHNOLOGY FOR BIOMEDICAL IMPLANTS | Dr. Hao Jiang | Electrical Engineering | graduate |
| | 74 | GP | Shiyu Zhou | A parallel-trace high-Q planar spiral coil for biomedical implants | Dr. Hao Jiang | Electrical Engineering | Graduate |
| | 75 | GP | Shruti Kanetkar | Virtual screen for cloud thin clients | Dr. Hamid Shahnasser | Embedded Electrical and | graduate |
| | 76 | GP | Sagar Kakade | Porting a real time operating system on a custom built system using FPGA | Dr. Hamid Shahnasser | Embedded Electrical and | Graduate |
| | 77 | GP | Jingyu Lin | NFC Application Interface of Smart Phone and Appliances | Dr. Hamid Shahnasser | Engineering | Graduate |
| Disp | 78 | GP | Sajana Raghavan | Electronic Modeling and Implementation of neurological Synaptic Gap in nano-scale CMOS | Dr. Hamid Mahmoodi | Electrical and Computer Systems | graduate |
| Disp | 79 | GP | Michael Chan | Hardware Modeling and Implementation of a Neural Network for Orientation Selectivity of the Eye | Dr. Hamid Mahmoodi | Electrical and Computer Systems | Graduate |
| | 80 | GP | Sarah KayfetZ Outzen | Seismic Performance of a 3-Story Moment Frame Building Using Recycled Polystyrene Concrete | Dr. Cheng Chen | Civil Engineering | graduate |
| | 81 | GP | Julie Leong and Olga Mendez | Non-linear seismic response of reinforced concrete structures | Dr. Cheng Chen | Structural/Earthquake Engineering | graduate |
| | 82 | GP | Samuel Fitzer | A Comparative Study of Steel Columns under Fire using both ASCE 29-05 Fire Standard and Finite Element Analysis | Dr. Cheng Chen | Structural/Earthquake Engineering | Graduate |

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| | 83 | UB | Louis Cornejo | Distress, Acculturation, and Beliefs About Psychological Services Among College Students | Dr. Jeffrey Cookston | Developmental Psychology | Undergraduate |
| | 84 | UB | Laura Buckner, Eric Durnell, Andrew Garcia, and Nicholas Harsch | Buying Up to the Joneses | Dr. Ryan T. Howell | Psychology | Undergraduate |
| | 85 | UB | Jason Samaha | The Role of Broca's Area and Supramarginal Gyrus in Auditory Imagery | Dr. Ezequiel Morsella and Dr. Mark W. Geisler | Psychology | Undergraduate |
| | 86 | UB | Kelly J. Builta and Lea M. Lunden | Experiential Buying Tendencies and Emotions | Dr. Ryan T. Howell | Psychology | Undergraduate |
| | 87 | UB | Lars F. Hedin and Robin I. Goodrich | Participant-Stimulus Gender Congruency Influences the Categorization of Faces | Dr. Mark W. Geisler and Dr. Avi Ben-Zeev | Psychology | Undergraduate |
| | 88 | UB | Lea M. Lunden and Darwin A. Guevarra | Social Perception of Motivations and Happiness for Purchases | Dr. Ryan T. Howell | Psychology | Undergraduate |
| | 89 | UB | Matthew Moore | Decision-Making in a Monetary Task | Dr. Mark W. Geisler and Dr. Ryan Howell | Psychology | undergraduate |
| | 90 | UB | Sierra P. Niblett, Robin I. Goodrich, and Tara C. Dennehy | The Face of Gender: Individuating Information Elicits Faster Reaction Times | Dr. Avi Ben-Zeev and Dr. Mark W. Geisler | Psychology | Undergraduate |
| | 91 | UB | William Krenzer | P300 Amplitude as an Index of Memory Distortions for Skin Tone | Dr. Mark W. Geisler | Psychology | Undergraduate |
| | 92 | UB | Zachary I. Greenberg | The Subjective Aspects of Processing Incompatible Speech Intentions: Evidence From The Stroop Task | Dr. Ezequiel Morsella and Dr. Ken Paap | Psychology | Undergraduate |
| Disp | 93 | UB | Darwin A. Guevarra and Lea M. Lunden | The Grey Area Between Purchase Types: the Ipad Problem | Dr. Ryan T. Howell | Psychology | Undergraduate |
| | 94 | UL | Brigette Jong | Neural Ectoderm Cells Remain Competent to Form Muscle Fibers in X. laevis Embryos | Dr. Carmen Domingo | Cell and molecular biology | Undergraduate |
| | 95 | UL | Ceazar Nave, Hernando Martinez, Daniel Saw, and Dr. Julio Ramirez | MiR-206 is Important for Proper Development of the Notochord-Somite Boundary in Xenopus laevis | Dr. Carmen Domingo | Cell and Molecular Biology | Undergraduate |
| | 96 | UL | Gina Pay | Characterizing Porcupine Effects on Neural Tube Closure | Dr. Laura Burrus | Cell and Molecular Biology | Undergraduate |
| | 97 | UL | Kevin D. Martinez, Lucy Pill, Liat Levy, Dulguun Bayadorj, Victor Wong, and Rhea Decker | Elevated NO signals correlated with altered cellular morphologies in ectodermal periderm cells suggestive of localized signaling in chicken embryo development | Dr. Wilfred F. Denetclaw | Cell and Molecular Biology | Undergraduate |
| | 98 | UL | Sierra Sky Nishizaki and Travis Siapno | Cataloguing Biodiversity Through DNA Barcoding | Dr. Christopher D. Smith | Cell and Molecular Biology | Undergraduate |

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| | 99 | UL | Rodrigo Estrada and Megahnn Shorrock | HIS-35, a histone H2A variant that differs from canonical H2A by one amino acid, functions in fertility | Dr. Diana Chu | Physiology and Cell & Molecular Biology | Undergraduate |
| | 100 | UL | Vyron Tayag and David Canio | The neuroendocrine regulation of ecdysis-triggering hormone on ecdysis behavior of decerebrated <i>Manduca sexta</i> | Dr. Megumi Fuse | Physiology | Undergraduate |
| | 101 | UL | Lacy Coniglio and Zoe Saenz | Undergraduate Dissection Techniques of the Head and Neck: Unique Views of Internal Structure | Dennis Schulz and Remy Binder | Physiology | undergraduate |
| | 102 | UL | Mitchell Zekhtser and Mawuli Tugbenyoh | Restoration and Preservation of Pathological Surgical Specimens | Gloria Nusse | Physiology and Political Science | Undergraduate |
| | 103 | UL | Bradley Schaller | Developing a Method to Elucidate the CO Binding Mechanism to Hemin | Dr. Raymond Esquerra | Biochemistry | Undergraduate |
| | 104 | UL | Bryce Riegel | Determination of Lead in Balsamic Vinegar via X-Ray Fluorescence Spectrometry: A Simple and Rapid Method for Quantification Down to Low ppb Levels using Selective Ion Exchange | Dr. Peter T. Palmer | Biochemistry | Undergraduate |
| | 105 | UL | Chi Kit Keith Lei and Elissa Irma | Development and Evaluation of Several Different Methods to Determine Ethanol via Headspace Gas Chromatography | Dr. Peter T. Palmer | Biochemistry | Undergraduate |
| | 106 | UL | Dikshya Joshi | Development of methods for determination of lead in candy using a handheld XRF analyzer | Dr. Peter T. Palmer | Biochemistry | Undergraduate |
| | 107 | UL | Elissa Irma and Keith Lei | Development of a Method for Rapid Identification of Volatile Organic Compounds in Wine via SPME/GC/MS | Dr. Peter T. Palmer | Biochemistry | Undergraduate |
| | 108 | UL | Gino Bautista | Assay to determine concentrations of Caffeine, Benzoic Acid, Aspartame, and Acesulfame Potassium in Soft Drinks using HPLC | Dr. Les Partridge | Biochemistry | Undergraduate |
| | 109 | UL | Kashif Javed | Generating Novel Aryl Thiazole Based Inhibitors of TMEM-16A | Dr. Marc Anderson | Biochemistry | Undergraduate |
| | 110 | UL | Nicholas Andrew Senger | Mechanistic Studies of Orotidine Decarboxylase | Dr. Weiming Wu | Biochemistry | undergraduate |
| | 111 | UL | Susan Calhoun and Sylvia Wojdyla | Effects of the Distal Heme Pocket Environment of Myoglobin to the Binding of Nitrite | Dr. Raymond Esquerra | Biochemistry | Undergraduate |
| | 112 | UL | Wes Salameh and Emelia Padilla | The effect of conformational changes on non-coordinated water occupancy associated with R and T allosteric states of Carp Hemoglobin | Dr. Raymond Esquerra | Biochemistry | Undergraduate |
| | 113 | UP | Daniel H. Pham and Johnny Zhong | Development and Evaluation of a Method for Accurate Quantitation of Pb in Soil via XRF | Dr. Peter T. Palmer | Biochemistry | Undergraduate |

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| | 114 | UP | Bo Bo | Element Effect Revisited: Effect of the Electrophilicity of the Substrate in Nucleophilic Aromatic Substitution Reactions | Dr. Weiming Wu and Dr. James R. Keeffe | Chemistry and Biochemistry | Undergraduate |
| | 115 | UP | Baeddán Hill | Photoassisted Hydrogen Production with (001) Oriented Anatase TiO ₂ Films | Dr. Andrew Ichimura | Chemistry | Undergraduate |
| | 116 | UP | Hiromi Tsutsui | As(V) adsorption by bayerite (β -Al(OH) ₃) | Dr. Bruce A. Manning | Earth System Science | Undergraduate |
| | 117 | UP | Bradley McAuley | Using Curves to Approach the Packing of the Human Genome | Dr. Javier Arsuaga | Mathematics | undergraduate |
| | 118 | UP | Reyka Jayasinghe, Heaven Mesfun, and Aileen Young | Spatial Proximity of Chromosomes and Gene Densities Illustrate Shell-like Regions within the Nuclear Chromosomal Architecture | Dr. Javier Arsuaga | Mathematics | Undergraduate |
| | 119 | UP | Brian Leung and YingQuan He | Guiding and manipulating electromagnetic wave (light) in a novel disordered photonic band gap material | Dr. Weining Man | Physics | Undergraduate |
| | 120 | UP | Drake Cannan | Optical Trapping and Manipulation | Dr. Zhigang Chen | Physics | undergraduate |
| | 121 | UP | Victor Rodriguez, Kenneth Hinson, and Dr. Javier Arsuaga | DNA networks -spontaneous growth and decay of trypanosomatid kinetoplast | Dr. Javier Arsuaga | Physics | undergraduate |

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| | 122 | UE | Enrique Maycotte | Remote Controlled Robot with Voice Control & Video feed | Dr. William Hsu | Computer Science | Undergradu |
| | 123 | UE | C. Dream Nefra Atterberry | Use of Cloud Computing at SFSU CCLS | Dr. Dragutin Petkovic and Mike Wong | Engineering and Business | Undergradu |
| | 124 | UE | Daniel Catalan, Luis Bill, Sam Goldsby, and Sonny Lu | Senior Citizen Emergency Response Device | Dr. Hao Jiang | Electrical Engineering | Undergradu |
| | 125 | UE | Hermes Ruiz-Dominguez, Juan Francisco Hidalgo, and Regina Marie C. Bangcaya | SMART NOTIFICATION SYSTEM | Dr. Hao Jiang | Electrical Engineering | Undergradu |
| | 126 | UE | James Huang, Chien-Jung Chu, Han Zhang, Yves JC Galang, and ZeQing Wang | Smart Phone Door Lock Control | Dr. Hao Jiang | Electrical Engineering | Undergradu |
| | 127 | UE | Joseph Parrish, Marcus Perez, and Johnson Taing | PitView | Dr. Hao Jiang | Electrical Engineering | Undergradu |
| | 128 | UE | Marcella Ysidra Ramirez | Coupling Enhancement of Planar Spiral Coils using Planar Ferrite for Biomedical Implants | Dr. Hao Jiang | Electrical Engineering | Undergradu |
| | 129 | UE | Luis Bill, Daniel Catalan, and John Berkeley Martinez | Graphical User Interface for the purpose of aircraft remote control using joysticks | Dr. George Anwar | Engineering and Mechanical | undergradu |
| | 130 | UE | Nami Gheidar, Nick Weil, and Michelle Mason | Bear With Me | Dr. George Anwar | Electrical Engineering and | undergradu |
| | 131 | UE | Martin Ngo, Edmund Hom, and Gabriel Suller | Renewable Energy: Stirling engine | Dr. V Krishnan Dr. E Enssani | Mechanical Engineering | undergradu |
| | 132 | UE | Raffy Tan Jr., Mike Shahindoust, Hamlet Orloski, and Abraham Zepeda | Two-Wheeled Self Balancing Skateboard | Dr. Hao Jiang | Electrical Engineering | Undergradu |
| | 133 | UE | Serge Dusheyko and Norbie Magno | Microscope Stage Cooler | Dr. Hao Jiang | Electrical Engineering | Undergradu |
| | 134 | UE | John Martinez and Melissa Saucedo | Force Characterization of a Body-Powered Hybrid Upper Extremity Prosthesis | Dr. Ozkan Celik | Mechanical Engineering | Undergradu |
| | 135 | UE | Melissa Saucedo, Daniel Catalan, and Henry Liu | An LED Matrix-based Etch-a-Sketch and Pong Game | Dr. Ozkan Celik | Electrical Engineering | Undergradu |

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| | 136 | UE | Noah Beltran, Gio Avilez, and Melissa Saucedo | 11lb Object Throwing Trebuchet | Dr. Kwok-Siong Teh | Mechanical Engineering | Undergradu |
| | 137 | UE | T. Craig Brinton, George Bainbridge, and Luke Moselle | Robotic Quadrotor Aerial Sensor Platform | Dr. Kwok-Siong Teh | Electrical Engineering | Undergradu |
| | 138 | UE | Erik Brandt | Importance of population density with a MFC | Dr. Dipendra Sinha | Mechanical Engineering | Undergradu |
| | 139 | UE | Katherine Smith and Daniel Weber | Innovative Hand Tricycle Derailleur and Tensioner | Dr. George Anwar | Mechanical Engineering | Undergradu |
| | 140 | UE | Charlie Tang, Mario Coronado, Emmanuel Cruz, Eric Beltran, and Hamad Alsubai | Bluetooth Locking Bike Rack | Dr. George Anwar and Dr. Hao Jiang | Mechanical Engineering | Undergradu |
| | 141 | UE | Curtis Lee and Steven Wiryadinata | Solar Powered Autoclave (SPA) System | Dr. George Anwar and Dr. Hao Jiang | Mechanical Engineering | Undergradu |
| | 142 | UE | Mark Giannini | Design of a Foam-Core Tri-copter with Closed Loop Yaw Control | Dr. Kwok-Siong Teh | Mechanical Engineering | Undergradu |
| | 143 | UE | Vikram Mehta, Atilio Gil, and John Luong | Three Speed Manual Transmission with Reverse | Dr. Kwok-Siong Teh | Mechanical Engineering | Undergradu |
| | 144 | UE | Aleksandr Valeyev, Cody Darwin and Shelley Kim | Wind Turbine | Joachim Pederson and Dr. Kwok-Siong Teh | Mechanical Engineering | Undergradu |
| | 145 | UE | Bret Cooke | Gravity Charger | Joachim Pederson and Dr. Kwok-Siong Teh | Mechanical Engineering | Undergradu |
| | 146 | UE | Lucas Cooter and Arjun Tejaswi | Automatic Medication Dispenser | Dr. George Anwar | Mechanical Engineering | undergradu |
| | 147 | UE | Michael Kinsler and Michael Curry | Reviving CNC | Joachim Pederson and Dr. Kwok-Siong Teh | Mechanical Engineering | Undergradu |
| | 148 | UE | Nick Foster | Cam-Driven Ratchet | Joachim Pederson and Dr. Kwok-Siong Teh | Mechanical Engineering | Undergradu |
| | 149 | UE | Shan Zhang, Jingge Hu, Guanxin Liu, and Ming Li | Lifting system with a combination of pulleys and gears | Joachim Pederson and Dr. Kwok-Siong Teh | Mechanical Engineering | Undergradu |

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| | 150 | UE | Ina Astreika and Adedola Fagorala | Geotechnical Home Development | Dr. Tim D'Orazio | Civil Engineering | Undergradu |
| | 151 | UE | Joseph Houry, Rahul Sharma, Darwin Galang, Andrew Poelvoorde, and Mina Khanaman | Earthquake Research: Building Seismicity | Dr. Cheng Chen | Civil Engineering | Undergradu |
| | 152 | UE | Watt Lei, Jasmine Williams, Jose Ronses, Kara Tremblay, Hao Lac, Brian Villamor, Jordan Wolfe, and Calvin Tam | Concrete Canoe | Dr. Tim D'Orazio | Civil Engineering | Undergradu |
| | 153 | UE | Kevin Kha Luu, Yong Yan, Xue Yuan, Abdul Alnassar, and Zhibao Yan | Construction Management Project | Dr. Tim Dorazio and Dr. Ghassan Tarakji | Civil Engineering | Undergradu |
| | 154 | UE | Samantha Cho, Adriana Vallejo, Nick Salinas, J.C. Martinez, Gabriel Wynn-Gould, Jesus Flores, and Yoel Palomino | Water Treatment/Filtration | Dr. Elahe Enssani | Civil Engineering | undergradu |
| | 155 | UE | Thomas Chau, Joyce Edey, Jonathan Li, Luke Roy, and Sonny Sunak | Steel Bridge Team 2012 | Dr. Tim D'Orazio | Civil Engineering | undergradu |