

GU	number	Team Members	TITLE	Major/Concentration	Dep	Advisor	table	chair	tri-fold board	Foam Board	Display items
GL	1	Kristen Andreatta	INVESTIGATION OF PRES2 MUTATIONS AS EARLY CLINICAL MARKERS FOR DEVELOPMENT OF SEVERE LIVER DISEASES IN CHRONIC HEPATITIS B INFECTION	Biomedical Laboratory Science	Biolog	Dr. Joe Romeo					
GL	2	<b>Hyunsoon Kang, Dr. Sophie Le Pogam (Roche), Sonal Rajyaguru (Roche), Sharon Jiang (Roche), Dr. Nick Cammack (Roche), and Dr. Isabel Najera (Roche)</b>	<b>CHARACTERIZATION OF 2'-C-METHYL ADENOSINE AND 2'-C-METHYL CYTIDINE USING THE HCV SUBGENOMIC REPLICON</b>	<b>Biomedical Laboratory Science</b>	<b>Biolo</b>	<b>gy</b> <b>Dr. Lily Chen and Dr. Isabel Najera (Roche)</b>				5/4	
GL	4	<b>Yurixsa Martinez, Katie Sanders, and Marina Meyerzon</b>	<b>ANALYSIS OF THE INTERACTIONS BETWEEN WNT-3A AND WNT-5A/5B SIGNALING PATHWAYS DURING CHICK DEVELOPMENT</b>	<b>Cell and Molecular Biology</b>	<b>Biolo</b>	<b>gy</b> <b>Dr. Laura Burrus</b>					
GL	5	Rachel Kadzik, Tiffany Barnes, and Lisa Galli	PROLIFERATIVE ROLES FOR PAX3 AND PAX7 IN THE DEVELOPING CHICK SOMITE	Cell and Molecular Biology	Biolog	Dr. Laura Burrus					
GL	6	<b>Molly Klein-McDowell, Dr. Koei Chin (UCSF), Dr. Joe W. Gray (UCSF and Lawrence Berkeley National Laboratory), Dr. Leticia Marquez-Magaña, Dr. Andrei Goga (UCSF), Dr. Chris Benz (Buck Institute), and Dr. Paul Yaswen (Lawrence Berkeley National Laboratory)</b>	<b>MICRORNA EXPRESSION PROFILING IN HUMAN BREAST CANCER CELL LINES</b>	<b>Cell and Molecular Biology</b>	<b>Biolo</b>	<b>gy</b> <b>Dr. Leticia Marquez-Magaña and Dr. Koei Chin (UCSF)</b>					
GL	8	Tobias Sayre	PREDICTING CIS-ACTING ELEMENTS WITH BIOINFORMATIC METHODS	Cell and Molecular Biology	Biolo	Dr. Zheng-Hui He					
GL	9	Daniel Bravo and Natasha Liu	THE ANTI-OXIDANT GLUTATHIONE IS SYNTHESIZED IN SACCHAROMYCES CEREVISIAE IN RESPONSE TO SALINE STRESS	Cell and Molecular Biology	Biolog	Dr. Robert Ramirez					

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GL	10	Roberto M. Barrozo	TRANSCRIPTIONAL REPRESSOR ATF3 BINDS TO THE IFN-B PROMOTER IN MACROPHAGES	Cell and Molecular Biology	Biology	Dr. Steve Weinstein					
GL	11	Karendip Braich	ATF3 TRANSCRIPTIONALLY REPRESSES INTERFERON BETA IN MACROPHAGES	Cell and Molecular Biology	Biolog y	Dr. Steve Weinstein					
GL	12	Mimi Ly	EFFECT OF RNA INTERFERENCE-MEDIATED KNOCKDOWN OF ACTIVATING TRANSCRIPTION FACTOR 3 (ATF3) ON INTERFERON-BETA TRANSCRIPTION	Cell and Molecular Biology	Biolo gy	Dr. Steve Weinstein					
GL	13	Wendy Rosenthal	MYOTOME PRECURSOR CELL SPECIFICATION AND SOMITIC MYOTOME FORMATION INHIBITED BY LIPID RAFT DISRUPTION IN CHICKEN EMBRYOS	Cell and Molecular Biology	Biolo gy	Dr. Wilfred Denetclaw Jr.					
GL	25	Rebecca Fulop	DO YOU KNOW YOUR BRAIN? UNDERSTANDING NOVICES' VS. EXPERTS' CONCEPTIONS ABOUT LEARNING AND MEMORY	Cell and Molecular Biology	Biolo gy	Dr. Kimberly Tanner				5/4	
GL	17	Tara Cornelisse	FACTORS AFFECTING MICROHABITAT SELECTION BY THE TIGER BEETLES CICINDELA HIRTICOLLIS AND C.OREGONA (COLEOPTERA: CICINDELIDAE).	Conservation Biology	Biolo gy	Dr. John Hafernik					
GL	18	Pedro Morgado, Misha Leong, and Theresa Shelton	PRESIDIO NATIONAL PARK SPIDER BIODIVERSITY ASSESSMENT	Conservation Biology	Biolo gy	Dr. John Hafernik				5/4	
GL	19	Anya P. Burdick and Dr. Katharyn E. Boyers	CONTROL OF LEPIDIUM LATIFOLIUM IN SAN FRANCISCO BAY TIDAL WETLAND	Conservation Biology	Biolo gy	Dr. Katharyn E. Boyers				5/4	
GL	22	Jeff Schinske and Dr. Eric Routman	INCIPIENT SPECIATION IN THE DIAMOND TURBOT ( <i>Pleuronichthys guttulatus</i> )	Ecology and Systematic Biology	Biolo gy	Dr. Eric Routman				5/4	
GL	23	Rachel Hertog and Dr. Peter D. Roopnarine	BIVALVE MORPHOLOGY AND COMMUNITY STRUCTURE IN THE LATE MIOCENE DOMINICAN REPUBLIC	Ecology and Systematic Biology	Biolog y	Dr. Peter D. Roopnarine					

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GL	20	Allegra Briggs, Dr. Sarah Cohen, and Dr. Wim Kimmerer	AN INTRODUCED COPEPOD IN SF ESTUARY: GENETIC DIVERSITY IN A RECENT INVASION	Marine Biology	Biology	Dr. Wim Kimmerer				5/4	
GL	21	Martin Olson and Rachel Hertog	A FOOD WEB MODEL OF THE SF BAY ECOSYSTEM TO UNDERSTAND THE IMPACT OF INVASIVE SPECIES	Marine Biology	Biology	DR. PETER ROOPNARINE				5/4	
GL	3	Shaun Baesman	ANAEROBIC GROWTH BY BACTERIA USING TELLURIUM OXYANIONS AS ELECTRON ACCEPTORS	Microbiology	Biology	Dr. Ed Carpenter				5/4	
GL	26	Amanda del Rosario, Huy Ngo, and Dave Joun	WHAT ARE THE LEARNING STYLES OF PRE-MEDICAL STUDENTS IN LOWER AND UPPER DIVISION SCIENCE COURSEWORK?	Microbiology	Biology	Dr. Jennifer Breckler					
GL	14	Arianna Tamvacakis and Dr. Megumi Fuse	ECDYSIS TRIGGERING HORMONE IS ACTIVE IN INTERMOLT LARVAL <i>Manduca sexta</i> NERVOUS SYSTEMS	and Behavior Biology	Biology	Dr. Megumi Fuse					
GL	15	Hani El Shawa and Dr. Megumi Fuse	THE ACTIONS OF ECDYSIS TRIGGERING HORMONE ON THE VENTRAL NERVE CORD DURING ECDYSIS IN THE TOBACCO HORNWORM, <i>Manduca sexta</i>	Physiology and Behavioral Biology	Biology	Dr. Megumi Fuse					
GL	16	Emily Merchasin and Dr. Megumi Fuse	SENSITIZATION OF DEFENSIVE RESPONSES INDUCED BY NOXIOUS STIMULI IN THE HORNWORM, <i>Manduca sexta</i>	Physiology and Behavioral	Biolog y	Dr. Megumi Fuse					
GL	7	Antonio Luna Jr and Dr. David Stokoe (UCSF)	ISOFORM SELECTIVE PI3-KINASE INHIBITORS IN BREAST CANCER CELL LINES	Cell and Molecular Biology	Biology	Dr. Leticia Marquez-Magaña and Dr. David				5/4	
GL	24	Briana McCarthy	EXPLORING UNDERGRADUATE STUDENT CONCEPTIONS OF ENVIRONMENTAL SCIENCE: WHAT ROLE DOES BIOLOGICAL KNOWLEDGE PLAY IN ENVIRONMENTAL LITERACY?	Ecology and Systematic Biology	Biology	Dr. Kimberly Tanner					

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GL	28	Russ Jensen, Mike Minton, and Chris Bernt	CONFORMATIONAL CHANGES OF NEURONAL NITRIC OXIDE SYNTHASE AS A FUNCTION OF SUBSTRATE AND COFACTOR BINDING	Biochemistry	Chemistry and Biochemistry	Dr. Raymond Esquerra					
GL	29	Georgi Diankov and Dr. Andrew S. Ichimura	ALKALI-METAL DOPED, NANOSCALE ZEOLITE FILMS AS POTENTIAL OPTOELECTRONIC SENSORS	Chemistry	Chemistry and Biochemistry	Dr. Andrew S.				5/4... 2 56x4	
GL	30	Chris Cornell	DEVELOPMENT OF NOVEL ANTI-MALARIAL COMPOUNDS THAT TARGET THE P. FALCIPARUM HEAT SHOCK PROTEIN ENZYME	Chemistry	Chemistry and Biochemistry	Dr. Cliff Berkman					
GL	31	Jovilynn Olegario	SELENATE REDUCTION BY NANOMETER SCALE ZEROVALENT IRON PARTICLES	Chemistry	Chemistry and Biochemistry	Dr. Bruce A. Manning					
GL	32	Lenin Parrales, Meden Isaac, and Dr. Ursula simonis	SYNTHESIS OF NOVEL DI-SUBSTITUTED TETRAPHENYLPORPHYRINS AS POTENTIAL AGENTS FOR PHOTODYNAMIC THERAPY OF CANCERS	Chemistry	Chemistry and Biochemistry	Meden Isacc					
GL	27	Pamela Pablico and Huy Ngo	WHAT ARE THE LEARNING STYLES OF PREMED COMPARED TO NON-PREMED STUDENTS?	Chemistry and Kinesiology	Chemistry and Biochemistry	Dr. Jennifer Breckler				5/4	
GP	34	Ari Akerstein	SIMULATING RAD52 REPAIR PROTEIN KINETICS IN RESPONSE TO DNA DOUBLE STRANDED BREAKS	Cell and Molecular Biology	Biology	Dr. Javier Arsuaga					
GP	35	Joanna Lipinski	PREDICTION OF PROTEIN-LIGAND INTERACTIONS USING COMPUTATIONAL MODELS OF ACTIVE SITES	and Behavioral Biology and Computing for Life	Biology	Dr. Rahul Singh and Dr. Jonathon Stillman				5/4	
GP	36	Robert Bierman	MACE: A SIMPLE ALGORITHM FOR LOSSLESS COMPRESSION OF MICROARRAY IMAGES WITHOUT SPOT SEGMENTATION	Computer Science	Computer Science	Dr. Rahul Singh					

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GP	37	Arturo Flores, Lala Motlhabi, Rocco Varela, and Elinor Velasquez	NOVEL BAYESIAN NETWORK EVALUATION ALGORITHM FOR DISCOVERING GENE REGULATORY PATHWAYS FROM MICROARRAY DATA	Computer Science	Computer Science	Dr. Frank Bayliss, Dr. Hui Yang, Dr. Ilmi Yoon, and Mike Wong				5/4 40x60	
GP	41	Scott Bishop	DENSITY-BASED CLUSTERING OF OPTICAL MOTION CAPTURE DATA	Computer Science	Computer Science	Yoon and Dr. Kate Hamel				5/4	
GP	42	Anupama Sharma	ONLINE WEB PAGE ALBUM	Computer Science	Computer Science	Dr. Dragutin Petkovic					
GP	38	Lin Han	PROTEIN STRUCTURAL ANALYSIS: REALIZING AN AUTOMATIC MAPPING BETWEEN 2D NON-LOCAL PATTERNS AND 3D SUBSTRUCTURES	Computing for Life Sciences	Computer Science	Dr. Hui Yang				5/4	
GP	39	Ben Dalziel	MINING TEMPORAL PLACENTAL MICROARRAY DATA	Computing for Life Sciences	Computer Science	Dr. Hui Yang					
GP	40	Emmanuel R. Yera	GENOMEXPLORER: GENOMIC DATA VISUALIZATION	Computing for Life Sciences	Computer Science	Stanislav V. Volik (UCSF)	1				lap tops demo
GP	48	Matt Lee	PARAMETRIC STUDY ON THE INFLUENCES OF THE SOIL-FOUNDATION-STRUCTURE-INTERACTION ANALYSIS ON A REINFORCED CONCRETE BRIDGE BENT	Civil Engineering	Engineering	Dr. Tim D'orazio					
GP	49	Tim Le	COMPARISON OF UBC 1997 AND IBC 2006 USING STEEL BRACED FRAMES AND STEEL MOMENT FRAMES	Civil Engineering	Engineering	Wenshen Pong and Dr. Norm					
GP	50	Thet Oo	NETWORK MONITORING FOR SECURITY PURPOSES USING NETFLOW-BASED OPEN SOURCE SOFTWARE	Electrical Engineering	Engineering	Dr. Hamid Shahnasser					

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GP	51	Vishwanadh Tirumalshetty	CLOCK GATING AND NEGATIVE EDGE TRIGGERING FOR ENERGY RECOVERY CLOCK	Electrical Engineering	Engineering	Dr.Hamid Mahmoodi					
GP	52	Donovan Cheuk	NEW METHODS TO MULTICARRIER MODULATION	Electrical Engineering	Engineering	Dr. Todor Cooklev	1			5/4	lap top demo
GP	53	Akili Anderson	PROFILING OF BIOINFORMATICS APPLICATIONS FOR RECONFIGURABLE COMPUTING SYSTEMS	Electrical Engineering	Engineering	Dr. Ying Chen					
GP	55	Robert Humphries	LABORATORY SIMULATION OF GRAVEL AUGMENTATION DOWNSTREAM OF DAMS: THE EFFECT OF HYDROGRAPHS ON SEDIMENT PULSE DYNAMICS	Applied Geosciences	Geosciences	Dr. Leonard Sklar				5/4	
GP	59	Johnathan Brown	AN OPTICAL CHARACTERIZATION OF SAN FRANCISCO BAY WATER	Applied Geosciences and Oceanography	Geosciences	Newell Toby Garfield, Dr. Dale Robinson, and Dr. Tomoko Komada					
GP	56	Beth Zygielbaum	TITAN: EXPLORING EARTH-LIKE EROSION MECHANISMS ON A FROZEN MOON	Geology	Geosciences	Dr. Leonard Sklar					
GP	57	Brian Fuller	STEP-POOL SPACING IN A TRAVERTINE SYSTEM, FOSSIL CREEK, ARIZONA	Geology	Geosciences	Dr. Leonard Sklar					
GP	58	Jill Marshall	PREDICTING THE GRAIN SIZE DISTRIBUTION SUPPLIED TO RIVER CHANNELS FROM HILLSLOPES	Geology	Geosciences	Dr. Leonard Sklar				5/4	
GP	60	Jeff Hansen	QUANTIFYING BEACH RESPONSE TO EPISODIC LARGE WAVE EVENTS, AN EMPIRICAL PREDICTIVE MODEL, OCEAN BEACH, SAN FRANCISCO, CA	Geology	Geosciences	Dr. Newell Toby Garfield				5/4... 48x36	

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GP	43	Anastasia Chavez and Chris O'Neill	EXPLORING EHRHART QUASIPOLYNOMIAL PERIODS OF 2-D RATIONAL POLYTOPES	Mathematics	Mathematics	Dr. Matthias Beck				5/4... 56x36	
GP	44	Debbie Lee	THE METABOLIC SYNDROME: A PRECURSOR TO CARDIOVASCULAR DISEASE & DIABETES AND ADOLESCENTS - WHO'S AT RISK?	Mathematics	Mathematics	Dr. Mohammad Kafai					
GP	45	Rachel Strickler	UNUSUAL WHITE DWARFS IN THE GLOBULAR STAR CLUSTER NGC 6397: SIGNS OF STELLAR COLLISIONS?	Physics	Physics and Astronomy	Dr. Adrienne Cool					
GP	46	Adam Garland	THE SEARCH FOR BROWN DWARF COMPANIONS AT WIDE SEPARATIONS	Physics	Physics and Astronomy	Dr. Chris McCarthy					
GP	47	Liliana I. Lopez and Dr. Adrienne Cool	ON THE FEASIBILITY OF DETECTING DETACHED WHITE DWARF/MAIN-SEQUENCE BINARIES IN GLOBULAR CLUSTERS	Physics	Physics and Astronomy	Dr. Adrienne Cool					
UL	61	Michael Sanchez, Franchie H. Chu, Bonnie Afonin, and Dr. Carmen Domingo	EMBRYONIC CELLS DEPLETED OF MATERNAL BETA CATENIN REMAIN COMPETENT TO DIFFERENTIATE INTO DORSAL MESODERMAL DERIVATIVES	Cell and Molecular Biology	Biology	Dr. Carmen Domingo					
UL	62	Myra Grace A. dela Pena	CHANGES IN DIURETIC HORMONE IMMUNOREACTIVITY IN TRANSVERSE NERVES OF THE TOBACCO HORNWORM, <i>Manduca sexta</i> , SUGGEST A ROLE DURING ECDYSIS	Cell and Molecular Biology	Biology	Dr. Megumi Fuse					
UL	63	Teresa F. Reyes and Dr. Sally G. Pasion	IDENTIFICATION AND CHARACTERIZATION OF SCHIZOSACCHAROMYCES POMBE TELOMERASE RNA GENE	Cell and Molecular Biology	Biology	Dr. Sally G. Pasion			5/4		
UL	64	Yessica Martinez, Mike Oda, Giorgio Cavigliolo, and Ethan Geiei	DETERMINATION OF HELICAL ORIENTATION OF APOA-1 HELICAL CORE BUNDLE	Cell and Molecular Biology	Biology	Dr. Leticia Marquez-Magaña					

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UL	65	Izhar Batth, Sannah Ladiwalla, Jared M. Greenberg, and Dr. Wilfred Denetclaw Jr.	MBC DISRUPTION OF LIPID RAFTS REVERSIBLY INHIBITS BREAST MUSCLE CELL CULTURE DIFFERENTIATION VIA NITRIC OXIDE SIGNALING	Cell and Molecular Biology	Biology	Dr. Wilfred Denetclaw Jr.			large poster		
UL	66	Karen Berry and Natasha Chandiramani	NITRIC OXIDE REGULATION OF MYOTOME DEVELOPMENT BY LIPID RAFT CONSTITUENT NITRIC OXIDE SYNTHASE IN CHICKEN EMBRYO	Cell and Molecular Biology	Biology	Dr. Wilfred Denetclaw Jr.					
UL	67	Seung Jong Lee and Dr. Wilfred F. Denetclaw Jr.	NITRIC OXIDE DYNAMIC MOVEMENT IN EPITHELIAL AND MUSCLE TISSUE CELLS IN CHICKEN EMBRYO BY TIME-LAPSE ANALYSIS	Cell and Molecular Biology	Biology	Dr. Wilfred Denetclaw Jr.					
UL	68	Lorna Watt, Brendan Colloran, Dr. Gretchen LeBuhn	USING PROJECTION MATRIX MODELS TO EXPLAIN PATTERNS OF TURNOVER IN SIERRAN MONTANE BUMBLEBEE COMMUNITIES	Ecology and Systematic Biology	Biology	Dr. Gretchen LeBuhn					
UL	69	Amelia Rodelo	SALINITY TOLERANCE IN INVASIVE ASCIDIANS	Ecology and Systematic Biology	Biology	Dr. Sarah Cohen					
UL	70	Allison Dias and Dr. Megumi Fuse	IDENTIFYING AN APPROPRIATE BLOOD SUGAR ASSAY FOR THE TOBACCO HORNWORM, <i>Manduca sexta</i>	and Behavioral Biology	Biology	Dr. Megumi Fuse					
UL	71	Richelle Raagas and Damon Robles	EFFECT OF NONENZYMATIC GLYCATION ON THE AUTO-OXIDATION KINETICS OF ADULT HUMAN HEMOGLOBIN	Biochemistry	istry and Biochemistry	Dr. Raymond Esquerra				5/4	
UL	72	Khin Sandi Shine, Khin Oo, Mike Minton, and Kay Saw	EFFECT OF NONENZYMATIC GLYCATION AND AGE FORMATION ON THE SECONDARY AND TERTIARY STRUCTURE OF HUMAN SERUM ALBUMIN	Biochemistry	Chemistry and Biochemistry	Dr. Raymond Esquerra				5/4	
UL	75	Helen Lee and Mohamad Azimi	A NOVEL APPROACH FOR THE INDEPENDENT SYNTHESIS OF 2[3H]OXAZOLINONES	Biochemistry	istry and Biochemistry	Dr. Ihsan Erden				5/4	



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UL	76	Heath Kornblum and Dr. Marc Andersen	MOLECULAR DYNAMICS SIMULATION FOR THE LABORATORY	Biochemistry	istry and Biochemistry	Dr. Marc Andersen and Dr. Cliff Berkman				5/4	
UL	77	May Lin	PHOSPHORAMIDATE INHIBITOR OF PROSTATE SPECIFIC MEMBRANCE ANTIGEN	Biochemistry	Chemistry and Biochemistry	Dr. Cliff Berkman				5/4	
UL	78	Judy Szeto, Dr. Marc Anderson, and Dr. Cliff Berkman	SYNTHESIS OF RADICICOL INSPIRED INHIBITORS OF Hsp90 AS ANTI-MALARIAL AGENTS	Biochemistry	Chemistry and Biochemistry	Dr. Cliff Berkman				5/4	
UL	73	Timothy Acker	INVESTIGATING THE CONTRIBUTION OF THE S1' POCKET OF TRYPSIN TO SUBSTRATE RECOGNITION	Biochemistry	istry and Biochemistry	Dr. Teaster Baird, Jr				5/4	
UL	74	Hanine Rafidi	BIOCHEMICAL APPROACHES USED TO STUDY EXTENDED SUBSTRATE SELECTIVITY OF TRYPSIN	Biochemistry	istry and Biochemistry	Dr. Teaster Baird, Jr				5/4	
UL	79	Brian Blank and Dr. Cliff Berkman	SYNTHESIS OF A NEW DIAGNOSTIC AGENT FOR PROSTATE CANCER	Chemistry	istry and Biochemistry	Dr. Cliff Berkman				5/4	
UL	80	Alberto Luis, Jasmin Kristianto, Sharon Woo, and Yu His	ALLOSTERIC ACTIVATION OF SOLUBLE GUANYLATE CYCLASE BY 3-(5 <sup>▼</sup> HYDROXYMETHYL-2 <sup>▼</sup> -FURYL)-1-BENZYL-INDAZOLE	Chemistry	Chemistry and Biochemistry	Dr. Nancy C. Gerber				5/4	
UL	81	John Szczepaniak	SEPARATION OF SPIROGRAPHIS AND ISO-SPIROGRAPHIS PORPHYRIN DIMETHYL ESTER ISOMERS VIA NORMAL PHASE HPLC	Chemistry	istry and Biochemistry	Dr. Ursula Simonis and Meden Isaac			5/1	5/1	
UP	82	Taeil Goh and Ryan West	VISION-BASED DETECTION OF VISUALLY DISSIMILAR OBJECTS	Computer Science	uter Science	Dr. Kaz Okada	1				lap tops demo

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UP	83	Eric Gregory	GUITAR SYNTHESIZER USING KARPLUS-STRONG PLUCKED STRING SYNTHESIS	Computer Science	Computer Science	Dr. William Hsu			4/27		4 ft piano, laptop
UP	84	Trevor Blackstone	LINKING OF CHROMOSOMES DURING INTERPHASE	Computer Science	Computer Science	Dr. Javier Arsuaga				240x80	
UP	90	Guy Halperin, Quint Herrmann, Haislip Hayes, Adrian Gotauco, Jeff Quock, Jeremy McGee, David Hungerford, Wendy Zambrano, and Azin Zarei	STEEL BRIDGE TEAM	Civil Engineering	Engineering	Dr. Norman Owen	1				
UP	91	Paul Barradas, Dalia Corpus, Chester Gatdula, Consen Cheng, and Marc Guinto	STRAIGHT ARCH	Civil Engineering	Engineering	Dr. Wenshen Pong					
UP	92	Israel De La Cruz, Jerry Wong, Keith Fang, Yu Rong Zong, and TzeYee Tsang	SFSU-LAKE MERCED WOOD BRIDGE	Civil Engineering	Engineering	Dr. Wenshen Pong	1				1x2 ft bridge model, lap top
UP	93	Raul Borromeo, Stacey Lee, Jason Tubon, Jasper Recidoro	LAKE MERCED WATER TREATMENT FACILITY DESIGN	Civil Engineering	Engineering	Dr. Elahe Ensanni	1				3x2
UP	94	Warfa Aden, Christopher McAllister, and Awni Taha	HIGH RISE FOUNDATION DESIGN	Civil Engineering	Engineering	Dr. Timothy D'Orazio					
UP	106	Babak A. Sar Ashki	DIGITAL IC DESIGN FLOW	Computer Engineering	Engineering	Dr. Hamid Mahmoodi					

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UP	108	Steve Jain and Mikhail Levitskiy	GPS/INU GUIDED AUTONOMOUS VEHICLE	Computer Engineering	Engineering	Dr. Ying Chen and Dr. Hamid Mahmoodi	1			5/4	vehicle 1x1.2' and two or three
UP	107	Sampson Ho, Chi Lin, and Chi-Kin Ho	MICROMOUSE	Electrical Engineering	Engineering	Dr. Hamid Shahnasser			4/30		
UP	109	Lamont Lucas	EdinBORG	Electrical Engineering	Engineering	Dr. Tom Holton	1		5/2		2x4x2 loud demons
UP	110	Edward Mazmanian, Luis Eguizabal, and Juan Carlos Alfaro	AUTOMATIC VIOLIN TUNER	Electrical Engineering	Engineering	Dr. Tom Holton					
UP	111	Paul Bonilla, Michael Cheung, and Maria Silva	VIC: VOICE INPUT CAR	Electrical Engineering	Engineering	Dr. Tom Holton	1				video on laptops
UP	112	Anton Suryana, Karen Chan, Michael Solivan, and Ricardo Marangco	CLASS D AUDIO AMPLIFIER	Electrical Engineering	Engineering	Dr. Tom Holton, Dr. Hamid Shahnasser					
UP	113	Said Abdelwafi, Prabhjot Kaur, and Aldo Bacuzzi	THE POWER SHOE	Electrical Engineering	Engineering	Dr. Hamid Shahnasser and Dr.					
UP	95	Blake Boyer, Waylan Choy, Sean Estill, and Adrian Hairrell	DESIGN OF COMPETITIVE RACE-KART FRAME	Mechanical Engineering	Engineering	Dr. A.S. Ed Cheng and Dr. Dipendra Sinha					

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UP	96	Alex Polonsky, Jorge Corona, Daniella Dragon, Kevin Morgan, Anthony Truong, Yousef Golsorkhi, Jay Coquilla, and Jose Coto	SFSU HUMAN POWERED VEHICLE	Mechanical Engineering	Engineering	Dr. A.S. Ed Cheng and Dr. Michael Holden	0				7 feet car
UP	97	Eric Placido, Edward Dizon, Joseph Flores, and Willis Wong	CONTINUOUSLY VARYING TRANSMISSION (CVT) PROTOTYPE	Mechanical Engineering	Engineering	Dr. A.S. Ed Cheng and Dr. Dipendra Sinha	1				small CVT
UP	98	Gaunt Murdock, James Bottomley, Donald Best III, Estuardo Ramirez, and Conmin Cheng	FUEL GUARD	Mechanical Engineering	Engineering	Dr. A.S. Ed Cheng	1		picked up		large
UP	99	Nikola Kravik, Jesse Lee, Harpreet Singh, and Oluwatoberu Thomas	5TH WHEEL	Mechanical Engineering	Engineering	Dr. A.S. Ed Cheng	1				5x1 feet wheel
UP	100	Donald Best III and Steven Gong	STIRLING ENGINE	Mechanical Engineering	Engineering	Michael Strange	<u>1</u>				
UP	101	Steven Gong and Donald Best III	FLASH CANNON	Mechanical Engineering	Engineering	Michael Strange	<u>1</u>				
UP	102	David Kang, Shadow Moyer, Mark Ritchie, and Matt Suidan	SMALL-SCALE WIND TURBINE	Mechanical Engineering	Engineering	Dr. Dipendra Sinha					
UP	103	Rodolfo Bustos, Henry Jones, Jimmy Xia, Randy Yoshimura, and Greg Zuber	MINI-MILLING MACHINE	Mechanical Engineering	Engineering	Dr. Dipendra Sinha and Dr. A.S. Ed Cheng					

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UP	104	Gong Ye Chen, Anthony Freggiaro, Sang Chul Lee, and Alex Rivera	ANIMAL: THE MIDI CONTROLLED PNEUMATIC DRUMMER	Mechanical Engineering	Engineering	Dr. A.S. Ed Cheng and Dr. Michael Holden	1		4/30		electronic tiems for Drum
UP	105	Marshall Rice, Holly Gothard, and Jesse Gwynne	R.E.A.C.H. BIOBOT	Mechanical Engineering	Engineering	Dr. A.S. Ed Cheng and Dr. Michael Holden	0			5/4	2 ft wide wall and biobot
UP	85	Jonathan Perkins	ESTIMATING BEDROCK INCISION RATES USING COSMOGENIC RADIONUCLIDE CONCENTRATIONS OF STRATH TERRACE GRAVELS ALONG BULLFROG CREEK, UTAH	Geology	Geosciences	Dr. Leonard Sklar				5/4	
UP	86	Skye Corbett	THE ROLE OF SEQUENCES OF CHANNEL-SPANNING POTHOLES IN THE TRANSIENT EVOLUTION OF A WEAKLY DISSECTED BEDROCK LANDSCAPE, HENRY MOUNTAINS, UTAH	Geology	Geosciences	Dr. Leonard Sklar				5/4 2...3 6x65	
UP	87	Juliet Portillo and Trevor Blackstone	DNA UNKNOTTING BY TYPE II TOPOISOMERASES	Mathematics	mathematics	Dr. Mariel Vazquez					
UP	88	Andrew Herrmann and Nicholas Normandin	MOVEMENT OF LATTICE KNOTS AND DNA	Mathematics	Mathematics	Dr. Mariel Vazquez					
UP	89	Daniel Shuldman and Simon Huang	GUIDING LIGHT: IN PERIODIC STRUCTURES	Physics	Physics and Astron	Dr. Zhigang Chen					

DISPLAY ONLY

GU	number	Team Members	TITLE	Major/Concentration	Dep	Advisor	table	chair	tri-fold board	Foam Board	Display items
D	1	Rajani Kuchipudi	STRAIN SILICON OPTIMIZATION FOR LOGIC AND MEMORY IN NANO-SCALECMOS.	Computer Engineering	Engineering	Dr. Hamid Mahmoodi					
D	2	Lisa Yong Wu, Jacinda Do, Marat Kazak, Helen Page, Yoko Toriyabe	PHOSPHORAMIDATE DERIVATIVES OF HYDROXYSTERIODS AS INHIBITORS OF PROSTATE-SPECIFIC MEMBRANE ANTIGEN	Chemistry	Chemistry and Biochemist	Dr. Marc O. Anderson and Dr. Clifford					
D	3	Yessica Martinez, Dr. Mike Oda , Dr. Giorgio Cavigiolio, and Ethan Geiei	SITE DIRECTED MUTAGENESIS OF APOLIPOPROTEINA-1, AT RESIDUES 134-145, RESULT IN LOSS OF LIPID BOUND 7.8NM DISC	Cell and Molecular Biology	Biology	Dr. Leticia Marquez-Magaña					