

Poster Session C

Au, Jessica - Mathematical and Scientific Computation Nonlinear Dynamics of Cardiac Action Potential and Its Relation to Cardiac Arrhythmias	96	Croze, Benjamin - Biochemical Engineering Quantifying Paraguayan Air Quality by Determining Amounts of Organic and Elemental Carbon Using Fourier Transform Infrared Spectroscopy and Spectral Calibrations	29
Avey, Alec - Neurobiology, Physiology and Behavior Reversing Inflammatory Tendinitis in an Engineered Tissue Model	86	D'Andrea, Mario - Physics Waste Reduction and Carbon Sequestration Through Compost Production and Spreading	30
Barcena-Martinez, Mariloli - Human Development Episodic Memory for Emotion Words With Extended Delays	53	De Vera, Kestner Brae - Global Disease Biology Compliant Usage of High Efficiency Air Cleaners for Children With Asthma	64
Berrios, David - Biochemistry and Molecular Biology Structural-Functional Analysis of Key Diterpene Synthases Mediating Stress Responses in Corn (<i>Zea mays</i>)	99	deGracia, Veronique - Biochemistry and Molecular Biology The Effect of Gut Methanogenic Archaea on Microbial Ecology and SCFA Production	89
Blackwell, Haley - Marine and Coastal Science— Marine Ecology and Organismal Biology Effects of Relatedness on Sibling Fitness in a Marine Snail	37	Devalaraju, Venkata - Aerospace Science and Engineering Proof of Concept for UC Davis Inspector Satellite Attitude Control System	21
Chan, Chie Shan - Environmental Science and Management Water Quality Deterioration Caused by Microcystis Blooms Under Severe Drought Conditions in the Sacramento and San Francisco Delta	6	Dimech, Amanda - Neurobiology, Physiology and Behavior Discovering the Relationship Between the Microbial Community and Hummingbird Health: An Inspection of Feeders, Flowers, and Gut Microbiome	79
CHANTEL, JENSEN - Geology Slip Rate Analysis of the Northern Strand of the Altyn Tagh Fault at the Pingding Shan Restraining Bend	28	Dinh, Kevin - Economics The Moderating Role of Ethnic Centrality Between Perceived Stigmatization and Anxious Arousal Levels in Latinx Individuals	113
Chavez, Jessica - Biochemistry and Molecular Biology Rhetoric and Scientific Writing	47	Don, Anna - Psychology The Effects of Infants' Looks to Parents' Face on Play Behavior	115
Chesed, Liat - Psychology Parent and Infant Coordinated Attention Through Gaze Following	110	Dong, Chunyang - Biochemistry and Molecular Biology A Photoconvertible Genetically Encoded Glutamate Indicator for Neuronal Imaging	76
Chesnutt, Sonja - Human Development Dental and Temporomandibular Joint Pathology of the American Black Bear (<i>Ursus americanus</i>)	62	Dorrance, Emily - Environmental Policy Analysis and Planning The Efficacy of Philanthropy in Establishing Equitable Park Access: A Study of Public-Private Partnership (P3) Parks	31
Choi, Aaron - Chemical Engineering Use of Skipping Strategies to Improve Monitoring Performance in Processes With Autocorrelated Data	19	Duckworth, Lauren - Anthropology The Relationship Between Admixture Proportion, Shape, and Morphological Integration in the Dentition of Rhesus Macaque Subspecies and Their Crosses	2
Chum, Tanee - Anthropology Preliminary Field School Findings From CA-SCL-330 in Mount Hamilton, San Francisco Bay	5	Dunsmore, Emily - Neurobiology, Physiology and Behavior Discovering the Relationship Between the Microbial Community and Hummingbird Health: An Inspection of Feeders, Flowers, and Gut Microbiome	79
Colin, Jacqueline - Genetics and Genomics Building Immunity Against <i>Batrachochytrium dendrobatidis</i> Using Skin-Associated Microbiota From <i>Rana sierrae</i>	75	Erol, Daffcar - Psychology The Effects of New Room Accommodations on the Recollection of Exam Materials	48
Cornell, B - Physics Creating Line of Sight Constraints on Darkmatter Using DarkSky Simulation	20	Farahvash, Ardavan - Chemical Physics Investigating a Missing Link in the Mechanism of	12

Farquhar-Leicester, Alexander - Psychology Subjective, Sexual Well-Being Among LGBTQIA College Students: An Exploration of the Role of Social Networking Sites and Applications	112	Hook, Juliet - Anthropology Preliminary Field School Findings From CA-SCL-330 in Mount Hamilton, San Francisco Bay	5
Freund, Gabriel - Applied Mathematics Bounds for the Minimum Step Number for Two-Component Links in the Simple Cubic Lattice	77	Hsu, Alice - Agricultural and Environmental Education The Moderating Role of Ethnic Centrality Between Perceived Stigmatization and Anxious Arousal Levels in Latinx Individuals	113
Fukurai, Mihoka - Human Development Episodic Memory for Emotion Words With Extended Delays	55	Hsu, Erin - Environmental Horticulture and Urban Forestry Effect of meta-Topolin on Shoot Growth in Paradox Walnut Rootstock and Scions	103
Gabriel, Marina - Biomedical Engineering Quantifying the Level of In Vivo Neovascularization in Ischemic Muscle Tissue Using Immunohistochemistry Techniques	22	Huang, Jorinna - Materials Science and Engineering Molar Attenuation Coefficient of Germanium Nanoparticles	13
Garcia, Destiny - Microbiology Cortisol Responsiveness to Consuming a Meal High in Fat May Depend on Body Mass Index	90	Hui, Tsz Ho - Cognitive Science Does Our Decision Timing Bias the Perceived Difficulty of the Decision?	108
Garcia-Ochoa, Roxana - Sociology Latinas Facing Adversity in STEM Academic Settings	50	Huynh, Delvin - Computer Engineering Acceleration of Cardiac Simulations for Cloud Computing Resources	95
Garibay, Nancy - Neurobiology, Physiology and Behavior EEG Signal Analysis of Treatment Effectiveness in Tetramethylenedisulfotetramine-Induced Status Epilepticus	65	Ibrahim, Lara - Pharmaceutical Chemistry Exploring DNA Curvature and Topological Structure of kDNA Minicircle Networks	83
Gernes, Zachary - Anthropology Emoji and the Globalization of Social Media Language and Culture	3	Inoue, Hitomi - Pharmaceutical Chemistry Heterogeneous Distribution of Action Potential Waveforms Can Promote Initiation of Cardiac Arrhythmias	97
Goswami, Shelly - Anthropology Paleodietary Reconstructions Using Stable Isotopes at CA-SCL-330 in Mount Hamilton	4	Jayakumar, Mithya - Cell Biology Joint Attention Through Caregiver's Manual Interactions	116
Greb, Alexandra - Pharmaceutical Chemistry Compounds to Increase Neuroplasticity	10	Kelly, Olivia - Human Development Episodic Memory for Emotion Words With Extended Delays	53
Grewal, Navtej - Pharmaceutical Chemistry Synthesis and Investigation of $\text{Yb}_{(14-x-y)}\text{Ca}_x\text{Ba}_y\text{MgSb}_{11}$ Compounds for Thermoelectric Application	11	Kincheloe, Gregory - Neurobiology, Physiology and Behavior Culturing of Melainabacteria From the Koala Microbiome	82
Guorgui, Jacob - Biochemistry and Molecular Biology Exploring Molecular Targets of Curcumin in Hodgkin's Lymphoma	92	Kopparapu, Srujan - Biochemistry and Molecular Biology Spp1 SUMOylation Modulates Homologous Recombination During Meiosis	70
Halfon, Yaeir - Chemical Engineering Simulation for PTCDI Exchange in Nanoparticle Grids	23	Kournoutas, Ioannis - Psychology Importance of Glutamate Oxaloacetate Transaminase (GOT-1) Serum Levels in Traumatic Brain Injury (TBI)	63
Hickman, Elise - Environmental Toxicology Effects of p,p'-DDT and p,p'-DDE on Respiration and Substrate Utilization in Brown Adipocytes	33	La, Man - Environmental Toxicology Pre-Cleaning of Forehead Skin With Isopropanol Decreases Concentrations of Sebum Lipids and Lipid Mediators in Healthy Human Adults	93

Leal, Mariana - Clinical Nutrition The Effects of Malnutrition and Human Lysozyme on Hepatic Metabolism	91	Munoz, Ariel - Global Disease Biology A Role for Iron Acquisition During Extracellular Growth of <i>Brucella abortus</i>	71
Lee, Brian - Economics Survival During the Khmer Rouge: Genocide and Labor Market Outcomes in Cambodia	15	Murali, Mahitha - Psychology Assessing the Incidence of Work Place Injuries and Mitigating Risk for Staff and Faculty at UC Davis	67
Lee, Dong Hyun - Psychology UC Davis College of Letters and Science Marketing Campaign Survey: Have It All	16	Murdock, Maylin - Biotechnology Self Versus Host Recognition in the Parasitic Plant Genus <i>Triphysaria</i>	105
Liu, Yuqing - Statistics Statistical Learning in Intelligent Supply Chain Management	17	Nelson, Seldy - Animal Biology Moon Blindness: Immune Cells in Equine Recurrent Uveitis and Stem Cells' Possible Suppressive Effects	8
Luong, Phuc - Economics Time-Of-Day Effect on Academic Performance of Adolescents	18	Neuville, Raumin - Biological Sciences Comparing Testing Schedules for the Morris Water Maze to Measure Cognitive Deficits in TBI Rats	68
Mabry, Emily - Biological Sciences Cell Plate Formation and Mutant Plant Resistance to the Inhibitory Effects of ES7	102	Nguy, Phong - Chemical Engineering Automation of PacBio SMRTbell NGS Library Preparation for Bacterial Genome Sequencing	69
Magana, Danica - Anthropology Preliminary Field School Findings From CA-SOL-346 in Suisun Marsh, San Francisco Bay	1	Nguyen, Diana - Biotechnology Expression of Polyphenol Oxidases in <i>Juglans regia</i> and Resistance to Walnut Blight	106
Mallawa Arachchige, Upekshila - Cell Biology Understanding Epistemic Modality in Mammography Testing and Their Guidelines	49	Nguyen, Kara - Food Science Non-Destructive Classification of Bitter and Sweet Almonds (<i>Prunus amygdalus</i>) Using Near-Infrared Spectroscopy and Chemometrics	44
Martinez, Ernie - Mathematical and Scientific Computation Bounds for the Minimum Step Number for Two-Component Links in the Simple Cubic Lattice	77	Nguyen, Michael - Neurobiology, Physiology and Behavior RNF212 Regulates DNA Damage Induced Apoptosis of Postpartum Oocytes	73
Melendez, Wendy - Animal Biology Microbial Relations: A Closer Look at the Interactions Between Apoidea Species, Microbes and Different <i>Epilobium canum</i> Cultivars	38	Nguyen, Truc-Quan - Human Development Episodic Memory for Emotion Words With Extended Delays	53
Miyazaki, Matthew - Biochemistry and Molecular Biology MTAP Dysregulation: A Potential Novel Biomarker for Kidney Cancer	66	Nikzad, Shayla - Chemical Engineering Use of Mass Balance in Determining Plant Water Status of Individual Grape Vines	42
Mueller, Tobias - Environmental Science and Management Testing Pathways of Virus Induced Cannibalism Expression in <i>Geocoris pallens</i>	39	Ochoa, Daisy - Neurobiology, Physiology and Behavior Episodic Memory for Emotion Words With Extended Delays	55
Mukherjee-Roy, Neije - Microbiology Breaking Down the Wall: Evolution of the Cell Wall From Algae to Land Plants	104	O'Donnell, Allison - Animal Science Public Perception of Dog Behavior	52
Mulcahy, Allyson - Wildlife, Fish and Conservation Biology Investigation on Contaminant Issues in the San Joaquin Central Valley Using Fish Model Medaka, <i>Oryzias latipes</i>	7	Osei-Enin, Jasmine - Evolution, Ecology and Biodiversity Understanding <i>Wolbachia</i> Infections in Natural <i>Drosophila</i> Populations: Reproductive Manipulation and Maternal Transmission	41

Palao III, Leon - Biochemistry and Molecular Biology The Screening and Optimization of a Split Glutamate Sensor to Identify Functional Relationships Between Neural Populations	80	San Pablo, Alexandra Camille - Civil Engineering Carbonate Limited Calcite Precipitation for Optimization of Urea Consumption	26
Park, Caroline - Global Disease Biology Reactivation of Latent HIV by Targeting Multiple Signaling Pathways	74	Sawhney, Sanjam - Microbiology Method of CD5 Downregulation on B-1a Cell Lymphocytes Supports Hypothesis That B-1a and B-1b Subsets Are Not Distinct	9
Patel, Kerul - Biotechnology Effect of Circadian Cycle on Antiobesity and Anti-Diabetic Properties of Moringa oleifera	98	Sequeira, Amelia - Biological Sciences Defective Follicle Formation in Mice Lacking Breast Cancer Associated Gene BRCA2	72
Patel, Miti - Biotechnology Effect of Circadian Cycle on Antiobesity and Anti-Diabetic Properties of Moringa oleifera	98	Sethi, Karishma - Global Disease Biology Evaluation of Cross-Feeding During Bifidobacterial Growth on Milk Oligosaccharides	46
Polsky, Lilian - Environmental Toxicology Impaired Thermogenesis Accompanied by Sex-Specific Changes in the Brown Adipose Transcriptome and Methylome Exposed to the Pesticide DDT	32	Sharma, Shonit Nair - Biomedical Engineering Degradable Alginate Hydrogels for Controlled Release	27
Quarshie, Claudia - Neurobiology, Physiology and Behavior Investigation of the Anatomical and Functional Connectivity Between the Cerebellum and the Olfactory Bulb	85	Sheth, Shyamal - Neurobiology, Physiology and Behavior Spatial and Temporal Considerations When Quantifying Passive Knee Torque	87
Ramirez, Anacary - Psychology Episodic Memory for Emotion Words With Extended Delays	55	Shin, Minyoung - Genetics and Genomics Functional Characterization of Wild Mice as a Model for Cardiac Aging	94
Ramirez Perez, Susana - Mechanical Engineering Convection Optimization in Consecutive Variable Cross-Sectional Cooling Channel for Thermal Management in Electronics	24	Sillas, Andre - Genetics and Genomics The Moderating Role of Ethnic Centrality Between Perceived Stigmatization and Anxious Arousal Levels in Latinx Individuals	113
Ratnavelsamy, Navaneethasri - Neurobiology, Physiology and Behavior Social Support Buffers Against the Effects of LGBTQ-Related Peer Victimization on Depression Symptoms	107	Silva, Selena - Community and Regional Development Value Orientations and Household Chaos in a Sample of Mexican-American Families	57
Ravishankar, Pavitra - Microbiology Evaluation of Cross-Feeding During Bifidobacterial Growth on Milk Oligosaccharides	46	Smith, Erin - Neurobiology, Physiology and Behavior Value Orientations and Household Chaos in a Sample of Mexican-American Families	57
Rosenthal, Ingrid - Linguistics Phonological Features of Jewish American English	117	Spence, Melissa - Applied Mathematics Bounds for the Minimum Step Number for Two-Component Links in the Simple Cubic Lattice	77
Ruiz, Noe - Physics Piezoelectricity of Beta Solenoid Proteins	25	Talton, Mat - Genetics and Genomics The Effects of Sunflower Bloom Orientation on Seed Yield and Germination Rates	100
Saeed, Sana - Neurobiology, Physiology and Behavior The Effects of Sunflower Bloom Orientation on Seed Yield and Germination Rates	100	Tamizharasu, Jothika - Neurobiology, Physiology and Behavior Determining the Retention and Survival of Bifidobacterium longum subsp. infantis on Different Surface Types	43
Salinero, Lauren - Biotechnology Biofilm in Neonatal Feeding Tubes: Bacterial Composition, Relationship to Gut Microbiota, and Potential Clinical Predictors	45	Thorngren, Alison - Animal Science The Effect of Feeder Design and Feed Management on Profitability of Free-Range and Pastured Poultry Farms	61

Torres-Poblano, Nanci - Environmental Policy Analysis and Planning Marginalized Communities and Nature: Accessibility, Health, and Adventure	118	Zaw, Thant - Cell Biology Diversity and Function of Scent-Producing Microbes in the Suborder Feliformia	81
Tran, Jacinda - Biological Sciences Age-Related Differences in NF- κ B Pathway Signaling During Unloading and Reloading	88		
Tueros, Carlo - Clinical Nutrition The Importance of Recreational Activities on Campus Community Wellbeing	119		
Tyer, Carly - Biotechnology Nitrous Oxide Uptake Mechanism Through Plant Stomata and Endophytes	34		
Van Grootheest, Chloe - Biological Sciences Diet of Yellowfin Goby in Artificial and Natural Habitats in Seal Beach National Wildlife Refuge	40		
Vasquez-Housley, Priscilla - Entomology Aquatic Macroinvertebrate Community Composition Gradients Along the Upper Sacramento River	35		
Wong, Amy - Animal Biology Do Early Traumatic Experiences Spur Addictive Behavior?	109		
Woolley, Erin - Environmental Policy Analysis and Planning The Effects of Drought Conditions on California Crop Production Decisions	36		
Xu, Jihao - Biochemistry and Molecular Biology MARCKS Inhibition as a Novel Strategy to Attenuate Lung Fibroblast Activation and Fibrosis Progression	58		
Xu, Karen - Biomedical Engineering Arap1 Is Necessary for Photoreceptor Survival in Mice	59		
Yaacoobi, Omar - Biochemistry and Molecular Biology Engineering of Plant Bioproducts Through Combinatorial Expression of Promiscuous Diterpene Synthases	101		
Yang, Henry - Psychology The Effects of a Deficient Oxytocin Receptor Gene on Protein Expression in Prairie Voles (<i>Microtus ochrogaster</i>)	111		
Young, Vanessa - Biological Sciences KAPA Biosystems HTP Library Preparation Kit Using Agilent Electrophoresis Instruments for Quality Control of Library Construction Pipeline	60		
Zamora, Julio - Chemical Engineering Synthesis and Characterization of Metal Oxides Mesoporous Monoliths for Water Remediation	14		