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SURP Awards - 2018

Congratulations to the following students for receiving Summer Undergraduate Research Program (SURP) Fellowships in support of their faculty-mentored research projects and creative activities.

Student Name	Major(s)	Faculty Mentor(s)	Project Title
Lawrence S. Abbott	Environmental Science	Professor Katherine RM Mackey	The Effect of Light Intensity of Chromatic Acclimation in Synechococcus Phytoplankton Strains
Eric A. Abdulaziz	Mechanical Engineering	Professor David J. Reinkensmeyer, Professor Joan Lobo Prat	Versatile Prosthetic for Congenial Limb Deficiency of the Forearm
Jasmine Adams	African-American Studies, English	Professor Ama Wray	Race, Gender, Sexuality and Neoliberal Education Reform
Edgar R. Aguirre	Dance	Professor Kelli Sharp	Panama 2018: Choreographic Collaboration
Sahil Ahuja	Biomedical Engineering: Premedicine	Professor Gregory A. Weiss	Real-Time Insulin Biosensing: Expression and Isolation of InR Variants in CHO-K1 Cell Lines
Samiha Ali	Biological Sciences	Professor Ulrike Luderer	Effects of Glutathione Deficiency and Dietary Supplementation with Alpha-Lipoic Acid on Ovarian Apoptosis and Oxidative Damage in Female

			Mice
Maria A. Alvarez	History, Education Sciences	Professor Ana E. Rosas	Undocumented Her-Stories: An Analysis on Social Violence against Undocumented Women
Cristina Alvarez	Education Sciences	Professor Hosun Kang	How Novice Science Teachers Learn and Develop Instructional Practices from Preparation Period to the Second Year of Teaching: Teacher Responsiveness
Henry Amir	Physics, Mathematics	Professor Albert Siryaporn	Understanding Interactions between Histone H2A and Escherichia coli DNA
Yousif A. Arif	Biological Sciences	Professor Joseph Rinehart	Hemodynamic Monitoring in the Operating Room using a Non-Invasive Photonic Sensor
Aleen L. Atikian	Biological Sciences	Professor Claudia Benavente	Role of Chromatin Remodelers Uhrf1 and Hells in Retinal Development and Retinoblastoma Tumor Formation
Adrian Bahani	Biomedical Engineering	Professor Bernard Choi	Comparison of Three Vessel Painting Agents Used in the Optical Clearing-Mediated Three Dimensional Visualization of Cerebral Microvasculature
Nicole Balbuena	Political Science, Sociology and Psychology	Professor Laura E. Enriquez	Undocumented Victims of Intimate Partner Violence: Access to Domestic Violence Resources
Erick F. Ballesteros	Computer Science	Professor Laura E. Enriquez	Undocumented Student Resources at the University of California: Investigating Ways to Improve Support and Resources
Lara Barakat	Psychology	Professor Susanne Jaeggi	Do Children with ADHD Show Better Performance on Tests

			that Assess Divergent Thinking in Comparison to their Peers?
Keith G. Barrett	Psychology, Biological Sciences minor	Professor Ramesh Srinivasan	Does Corticomuscular Coherence during Precision Grip Reflect Corticospinal Tract Injury in Stroke Patients?
Zarlasht Baschshi	Chemistry, Biological sciences	Professor Alex Guenther	Investigating the Processes Controlling Biogenic Emissions of Volatile Organic Compounds
Tiziano G. Bassi	Chemistry	Professor Athan Shaka	Simultaneous Measurement of Plutonium-239/Uranium-235 Mixtures utilizing a Redesigned and Enhanced Delayed Neutron Detection System
Olivia R. Benice	Chemistry	Professor Kenneth J. Shea	Development of a Synthetic Nanoparticle Library for High Throughput Screening of Bacteria
David Berlin	Chemical Engineering	Professor Allon Hochbaum	Identification of Molecules that Affect Dispersal of Escherichia coli Biofilms
Ruijie (Janice) Bi	Political Science, International Studies	Professor Feng Wang	Examine the One Belt One Road Initiative through Chinese Philosophy and Traditional International Relations Theory
Timothy M. Bierlein	Biological Sciences	Professor Baotran Vo	Perceived Stress Levels and Coping Techniques Analysis among Patients at the An Lành Free Clinic
Amanda N. Bishop	Education Sciences, Psychology & Social Behavior	Professor Susanne M. Jaeggi	Impact of Working Memory Task Training on College Undergraduate Students
Jacob M. Boarnet	Dance, Criminology, Law, and Society	Professor Lisa Naugle	A Collaborative Effect: Merging Diverse Educational Fields

Jordan Bonecutter	Computer Engineering	Professor Quoc-Viet Dang	Autocross/FSAE Driving Assistance Module
Julianna M. Bordas	Biomedical Engineering	Professor Bernard Choi	Cranial Window for Chronic Imaging of Mice with Progressive Development of Cerebral Microbleeds
Alexandra L. Bormeth	Dance	Professor Chad M. Hall	Embodying and Studying the Potent Energy found in Israeli Dance and Movement Approaches
Joseph T. Bui	Biological Sciences	Professor Maxwell A. Thompson, Professor Shadi Lahham	Tricuspid Annular Plane Systolic Excursion (TAPSE) Assessment in Septic Cardiomyopathy
Denise L. Bui	Biological Sciences	Professor Christopher Vanderwal	Synthesizing and Employing 1,3-Keto-Oxetane Probes to Investigate PKS Interactions and the PKS Reaction Mechanism
Michelle Bui	Biological Sciences	Professor John Fox, Professor Shadi Lahham, Professor Wirachin Hoonpongsimanont	Point of Care Ultrasound Measurement of Carotid Artery Parameters Compared to Sphygmomanometer Blood Pressure Measurement
Christian I. Calderon Fonseca	Political Science	Professor Caesar D. Sereseres	Future Prospects for DACA Recipients in the Time of Trump
Socorro Cambero	Education Sciences, Gender and Sexuality Studies	Professor Gilberto Conchas	First-Generation White and Latinx College Student Perceptions of Inequality across Gender and Racial Lines
Yang Cao	Computer Science	Professor Chen Li	Cloudberry
Tony D. Cao	Physics	Professor Mu-Chun Chen	Explaining Matter-Antimatter Asymmetry using Neutrinos
Tadria A. Cardenas	Psychology	Professor Laura E. Enriquez	Undocumented Student Resources at the University of California: Investigating Ways to Improve Support and

			Resources
Bryce T. Carson	Psychology	Professor Susanne Jaeggi	Inhibitory Control and Creativity in Children with ADHD
Adam A. Cecot	Aerospace Engineering	Professor Mark Walter , Professor Kenneth Mease	UCI Rocket Project
Shikera C. Chamdany	Biomedical Engineering	Professor David J. Reinkensmeyer	FINGER Robotic Design for Somatosensory Assessment
James Chao	Economics	Professor Amihai Glazer	Banking and Corporate Welfare
Kevin Chen	Aerospace Engineering	Professor Kenneth Mease , Professor Mark Walter	UCI Rocket Project
Bolin Chen	Computer Science	Professor Chen Li	Cloud-Based Text Analytics using Declarative and GUI-Based Workflows: Texera
Jiangning Cheng	Biomedical Engineering	Professor Elliot Hui	Sonic Hedgehog Morphogen Gradient using Microfluidics Device
Anthony Cheuk	Biomedical Engineering	Professor Elliot Hui	The Smart Microtiter Plate
Vivian H. Chi	Biological Sciences	Professor Pavan Kadandale	Effects of Student-Written Question Quality on Exam Performance
Jessica Chin	Biomedical Engineering	Professor Wendy Liu	Evaluating the Effects of Cyclic Uniaxial Stretch on Macrophage Function
Jemima Sook Yan Choong	Dance	Professor Chad M. Hall	International Exchange Trip to Israel: Exploration of Different Approaches to Movement
Andrew C. Chu	Biological Sciences	Professor Gregory A. Weiss	Directed Evolution of Proteases via Multiple Turnover Screenings on Phage
Brittanie W. Chu	Biomedical Engineering	Professor William C. Tang	Energy Harvesting Pacemakers using Ferrofluids
Elissa M. Cobian	Undeclared, Public Health Policy, double major with Spanish Lit.	Professor Ana E. Rosas	El arte de nuestras vidas: Latinx Artistic Creations that Mirror the Communities' Concerns Regarding the Immigration Policy

			in the 21st Century
Isaias M. Contreras	Psychology & Social Behavior, Criminology, Law & Society	Professor Raymond W. Novaco	An Exploration of Anger Rumination
Mayra I. Contreras	Biomedical Engineering	Professor Wendy Liu	Macrophages: Fibroblast Interaction in Wound Healing
Jocelyn A. Contreras	Literary Journalism	Professor Ana E. Rosas	Reclaiming Sexual Identity: Interrogating the Documentation of Latinx LGBTQIA Sexual Identity Formation in Orange County, California, 1960-Present
Rebecca Corona	Psychology & Social Behavior	Professor Sarah D. Pressman	What do you Appreciate? An Examination of Gratitude, Appreciation, and Positive Psychological Intervention
Stella Crall	Dance, Biological Science	Professor Kelli Sharp	Safe Dance Practices and how to Implement them into Dance Instruction in Panama
Petra F. De La Cruz	Public Health Policy, Gender and Sexuality Studies	Professor Ana E. Rosas	Reimagining Possibilities: Testimonio as a Creative Lenses to Narrate Justice and Healing among Queer Migrant Latinx Youth
Laila M. Delgado	International Studies, Psychology and Cognitive Sciences	Professor Daniel Brunstetter	Study on the Differences and Similarities between Definitions of "Peace" for Israelis and Palestinians
Lexington DeMark	Dance	Professor Molly Lynch	The Initiation and Intention behind the Movement of the Gaga Technique
Kunthea Deng	Chemical Engineering	Professor Daniel Mumm	Type I Hot Corrosion of Marine Turbine Materials
Tejas Jagdiesh Dethé	Physics, Mathematics	Professor Peter Taborek	Spreading Characteristics of Low-Viscosity, Volatile Fluids
Michelle Diab	Pharmaceutical Science	Professor James S. Nowick	Probing the Structures of AB Oligomers using Monoclonal

			Antibodies
Stephanie S. Doering	Cognitive Sciences, Informatics	Professor Michael Lee, Professor Michael Yassa	A Bayesian Hierarchical Model for Understanding Performance on the Mnemonic Discrimination Task
Minxin Dong	Business Economics	Professor Amihai Glazer	Program in Corporate Welfare Summer Undergraduate Research Grant/Fellowship
Andrew W. Dowey	Biological Sciences	Professor Ali Mortazavi	Validation of Promyelocytic Cell Differentiation into M2c Macrophages using Immunohistochemistry
Huixun Du	Pharmaceutical Science	Professor Medha M. Pathak	Reprogramming Piezo1 Knockout Human Foreskin Fibroblasts (HFFs) into Induced Pluripotent Stem Cells (iPSCs)
Brittanie E. Dudley	Political Science	Professor Caesar D. Sereseres	The Impact of Stability on Jordan: Refugees, Syria, and ISIS.
Benjamin R. Duewell	Biochemistry & Molecular Biology	Professor Celia W. Goulding	Contact-Dependent Growth Inhibition in Escherichia coli
Nicole A. Dunger	Political Science	Professor Caesar D. Sereseres	South Sudan: A Case Study of the United States Influence in the Civil War
Annie Duong	Biological Sciences	Professor Evelyn Valdez-Rangel	The Effects of Soil Microbial Communities and Differing Regional Soils in California on Plant Defense and Herbivorous Communities
Jerson D. Estrella	Microbiology & Immunology	Professor Todd C. Holmes	An Analysis of Chronic Jet Lag in Drosophila melanogaster and its Long-Term Physiological Effects
Rheem Fawaz	Biological Sciences	Professor Ray Luo, Professor Sheryl Tsai	Investigating the Interactional Changes of Different Types of Ketoacyl Synthase (KS)

Qiren Feng	Computer Science	Professor Amihai Glazer	Program in Corporate Welfare Summer Undergraduate Research Grant/Fellowship
Irma B. Fernandez	Biomedical Engineering: Premedicine	Professor Jered Haun	Utilizing Bioorthogonal Reactions for Coupling DOTA to Antibodies
Cayla D. Flagg	Dance	Professor Kelli Sharp	Exploring Panamanian Culture through Music and Dance as a Form of Combating Mental Illness
Jenna G. Fleming	Dance	Professor Lisa Naugle	Movement Exchange: Differences in Dance Pedagogy in Panama
Kelly J. Fogarty	Psychology, Sociology	Professor Jessica Borelli	Relational Savoring and Parenting Sensitivity: Maternal Sensitivity Coding
Joshua G. Fong	Biological Sciences	Professor Katrine L. Whiteson	Use of Fluorescence Lifetime Imaging Microscopy to Study Metabolism in the Cystic Fibrosis Microbe <i>Streptococcus salivarius</i>
Sarah E. Frasco	Anthropology, Psychology	Professor Angela C. Jenks	Searching for an Operational Definition of Addiction: Using Anthropological Methods to Better Understand Addiction as Experiences by Self-Identified Addicts
Evan P. Garcia	Chemistry	Professor Eric O. Potma	Photo Induced Force Microscopy on Single Walled Carbon Nanotubes
Ana V. Garmendia	Political Science	Professor Heidi Hardt	Passing on Knowledge about States in International Organizations: The Case of the World Bank
Ghadi Ghanem	Biological Sciences	Professor Wirachin Hoonpongsimanont, Professor Shahram Lotfipour	Correlation between Self Reported Alcohol Consumption and Blood Alcohol Level, Drug Screens and Hospital Admission in

			Trauma Patients
Nane Ghazaryan	Biological Sciences	Professor Jogeshwar Mukherjee	Development of Selective Dopamine D3 Receptor PET Imaging Agent
Claire L. Goldes	Dance	Professor Chad M. Hall	Dance Abroad: Movement as a Universal Language
Glenn G. Golla	Biomedical Engineering	Professor Norbert J. Fortin	Electrophysiological Analysis of Neural Structures Underlying Age-Associated Cognitive Decline for Sequences of Events and the Effects of Therapeutic Intervention
Isaac V. Gonzalez	Aerospace Engineering, Mechanical Engineering	Professor John LaRue	Vortex Shedding in Complex Geometries
Lauren Gresens	Dance	Professor Chad M. Hall	Heightening the Senses in a Foreign Culture and Introducing this into an Intensive Dance Training Regimen
Lauren Gresens	Dance	Professor Lisa Naugle	Heightening the Senses in a Foreign Culture and Introducing this into the Choreographic Process
Suki Gu	Chemistry, Material Sciences Engineering	Professor Sergey Nizkorodov	Effects of Transition Metals on Optical Properties of Secondary Organic Aerosols
Yijun Gu	Pharmaceutical Science, Economics	Professor Claudia Benavente	Role of Chromatin Remodeler Uhrf1 in Retinal Development and Retinoblastoma Tumor Formation
Feiyang Gu	Biological Sciences	Professor Ray Luo	Computational Analysis on Small Molecule Rescue of p53 Cancer Mutants
Andrew I. Haddad	Biological Sciences	Professor Robert Hunt	Evaluation of Memory and Social Behaviors in Chd2 Mutant Mice
Joseph Han	Biological Sciences	Professor Marcelo Wood	The Role of CREST in Formation of Drug Associated Memories

Syed F. Haque	Physics, Earth System Science	Professor Francois Primeau	Inferring Quasigeostrophic (QG) Vertical Velocities in the North Pacific
Nazely C. Hartoonian	Economics	Professor Bonnie P. Ruberg	Character Gender and its Effects on Players' In-Game Violence
Mohammad Hashemian	Biological Sciences	Professor James S. Nowick	Interaction of Teixobactin Analogues with Bacterial Membranes using LAURDAN
Bryan A. Henriquez	Biological Sciences	Professor Linda Palmer	Testing Frontal Contributions to Experience-Based Learning with DREADDs
Cynthia Hernandez	Biomedical Engineering	Professor Jered Haun	Production of mOx GFP Protein for a Targeted Drug Delivery System
Maricruz Hernandez Cabrera	History, Criminology, Law & Society	Professor Ana E. Rosas	Chasing Food Trucks: An Archival and Literary Analysis of the Day-to-Day Realities of Undocumented and Minority Entrepreneurs in Los Angeles, 1980s-Present
Dianna C. Hidalgo	Biological Sciences	Professor Isabel Algaze-Gonzalez	Identifying Potential Biological Markers to Predict Hospitalization in Chikungunya Positive Patients in Puerto Rico
Erika R. Higbee	English	Professor Jayne Lewis, Professor Radha Radhakrishnan	Gertrude Stein's Tender Buttons: "Word-Objects" and the Democratization of Language
Aneth G. Hinojoza	Sociology	Professor Laura E. Enriquez	Undocumented Victims of Intimate Partner Violence: Access to Domestic Violence Resources
Thu Ho	Pharmaceutical Science	Professor Melanie Cocco	Structural Studies of Reticulon-4
Melissa Hurtado	Anthropology	Professor Angela C. Jenks	A Comparative Study on the Factors Impacting the Perceived Health

			Status of Working Female Undergraduates of UC Irvine and Minority Women in the Blue Collar Workforce of the San Fernando Valley
Melissa Huynh	Psychology	Professor Charlie Chubb	Assessing Emotional Processing in Children with Autism Spectrum Disorder
Alexander N. Huynh	Chemical Engineering, Mechanical Engineering	Professor Andrej Luptak	Novel Glutamate-Aptamer Biosensor for Detecting Neuronal Communication
Patrick T. Hwu	Psychology	Professor Todd C. Holmes	Polyglutamine-Huntingtin Expression Selectively Disrupts Drosophila Small Lateral Ventral Circadian Neuron Function
Rini Shagai Jayarethinam	Biomedical Engineering	Professor Peter C. Tseng	The Utilization of the FLECS System and Various Protein Substrates to Screen the Mechanobiology of Induced Pluripotent Stem Cells (iPSCs) and Human Mesenchymal Stem Cells (hMSCs)
Kevin Jiang	Biomedical Engineering	Professor Wendy Liu	The Design and Validation of a Uniaxial Cell Stretcher Capable of Imaging Cells Exposed to Mechanical Stretch
Daniel Jimenez	Computer Engineering	Professor Fadi Kurdahi	Flexible Tooth PCB
Abel Jimenez	Computer Engineering	Professor Glenn Healey	Generation of Personalized Course Material via Large Scale Learning and Course Automation
Abel Jimenez	Computer Engineering	Professor Fadi Kurdahi	Tooth Sensor: Circuit board for Oral Sensor
Sanika M. Joshi	Public Health Sciences	Professor Scott M. Bartell	Mortality Risk Attributable to Extreme and Ambient Temperatures in California

William P. Juan	Biomedical Engineering	Professor Jered Haun	Adapted Digestion Device for Rapid Digestion of Tissues into Cellular Suspensions
Jazmin Juarez	Public Health Sciences	Professor Kelly A. Biegler	Unidas por la Vida: Characterizing and Examining the Impact of Positive and Negative Family Social Interactions around Health Behaviors and Diabetes Management
Kevin Kang	Chemistry, Biological Sciences	Professor Jenny Y. Yang	Increasing Hydrogen Evolution Efficiency using Nonredox Active Lewis Acid Cations
Joseph J. Kapcia III	Microbiology & Immunology	Professor Katrine L. Whiteson	Using Stable Isotopes to Determine Bacterial Activity in CF Patient Sputum
Christopher Kawata	Human Biology	Professor Luohua Jiang	The Relationship between Health Literacy, Cardiovascular Disease Knowledge, and Diabetes Prevention Knowledge in Middle Eastern Patients at a Free Clinic
Shireen Khan	Human Biology	Professor Susanne Jaeggi	Creative Storytelling in Children with ADHD
Pooya Khosravi	Computer Science, Biomedical Engineering	Professor Ramesh C. Jain	Identifying Personal Chronicles using Smartphone and Wearable Device Data Streams for Cybernetic Health
Lawrence Khournso	Earth & Environmental Science	Professor Katherine RM. Mackey	Toxic Dust and Phytoplankton from the Salton Sea
Jenny S. Kim	Pharmaceutical Science	Professor Thomas L. Poulos	Differences between the Binding of NOS Specific Inhibitors for NOS from Staphylococcus aureus and Bacillus subtilis

Scott L. Kim	Chemistry	Professor Suzanne A. Blum	Synthesis of 4-Borylated Pyrazoles via Aminoboration
Minsung (Bill) Kim	Business Economics	Professor Amihai Glazer	Program in Corporate Welfare Summer Undergraduate Research Grant/Fellowship
Lily Kokami	Criminology, Law & Society	Professor Nancy Rodriguez	The Role and Relationships of Juvenile Delinquency Systems and Programs
Shana Kong	Biological Sciences	Professor Shadi Lahham, Professor John Fox, Professor Shahram Loftipour, Professor Wirachin Hoonpongsimanont	Point of Care Ultrasound Measurement of Carotid Artery Parameters Compared to Sphygmomanometer Blood Pressure Measurement
Malak Kudaimi	Public Health Policy, International Studies	Professor Alana LeBron	The Health and Well-Being of First-Generation Students
Jezelle Lacson	Dance, Comparative Literature	Professor Kelli Sharp	Growth through the Timeline of Art Expression
Jennifer M. Lai	Biological Sciences	Professor Xiangmin Xu	Brain-Wide Viral Genetic Mapping of Corticotropin-Releasing Hormone Neuronal Inputs to the Nucleus Accumbens
Patrick Lam	Chemistry	Professor David L. Van Vranken	Reaction Predictor
Mourad Lamey	Public Health Sciences	Professor James W. Hicks	Behavioral Changes in Pangasianodon due to the Exposure of Hypercapnic Environment
Mary G. Lamons	Psychology	Professor Belinda Campos	Gender Variation in Behavioral Expression and Adaptations to Pain
Yessica Y. Landaverde	Biological Sciences	Professor Natasha A. Mesinkovska	Understanding Differences in the Skin Microbiome of Hispanic Psoriatic Patients Compared to Non-Hispanic Patients

Samuel B. Lassers	Biomedical Engineering	Professor William C. Tang	Examining Neuronal Tissue with MC Rack and Spicodyn to Determine a Neural Hierarchy
Chap-Kay K. Lau	Pharmaceutical Science	Professor Andrej Luptak	Investigation of the Role of the CPEB3 Ribozyme in Cortical Neurons and how it Responds to Neuronal Stimulation
Justin Le	Computer Engineering	Professor Quoc-Viet Dang	Decentralized Intelligent Coordinating Visualization System
Phuong Nghi N. Le	Pharmaceutical Science	Professor Mark Warschauer	Multimodal Compositions for Struggling Writers in Higher Education
Kody N. Le	Biological Sciences	Professor Yi-Hong Zhou	Analysis of a Novel Anti-GBM Therapeutics in Potential Suppressing of Tumor Vascularization
Hong T. Le	Biological Sciences	Professor Wenbin Tan	755 NM Laser in Combination with MAPK-Inhibitor Suppresses Regeneration of Photocoagulated Cutaneous Blood Vessels
Ivee A. Lee	Pharmaceutical Science	Professor Andrej Luptak	Characterization of Heterodimeric ATP Binding RNA Aptamers
Audrey S. Lee	Biological Sciences	Professor Stephanie Tjen-A-Looi	The Effects of Electroacupuncture on Interleukin-1 Cytokine in Rats with Salt Induced Moderate Hypertension
Jerry Lee	Computer Engineering	Professor Quoc-Viet Dang	Decentralized Intelligent Coordinating Visualization System
Justin D. Lee	Computer Engineering	Professor Quoc-Viet Dang	Zotcoin: A Cryptocurrency for Students, by Students
Michelle K. Lee	Biological Sciences, Psych and Social Behavior	Professor Bruce Blumberg	Analysis of Nuclear Receptor Mediated Pathway taken by

			TBT in Germ Cells in Transgenerational Obesity Model
Melody Y. Lee	Biological Sciences	Professor Ulrike Luderer	Critical Prenatal Window of Benzo[a]pyrene Effects on Ovaries
Taylor M. Levee	Biological Sciences	Professor Scott Atwood	Identifying Activators of aPKC- λ in Basal Cell Carcinomas
Yong Li	Chemistry	Professor Fillmore Freeman	Mechanisms of the Additions of Benzeneselenol to Alkenes and Michael Acceptors
Guohao Liang	Biological Sciences, Biomedical Engineering	Professor Chang Liu, Professor Theresa Loveless	Coupling Cell Cycle Counting with Genetic Program Execution in Induced Pluripotent Stem Cells
Karin T. Lim	Biological Sciences	Professor Steven Chessler	Investigation of Glucose- and Artificial Clustering-Mediated Control of Neurexin Expression and Degradation in Pancreatic β Cells
Samantha C. Lin	Dance, Education Sciences	Professor Chad M. Hall	Artistic Breakthrough in Israel
Sarah M. Llewellyn	Dance	Professor Lisa Naugle	Cultural Differences of Dancers' Approach to Class
Chelsie Lo	Biological Sciences	Professor Sunil S. Gandhi	Investigating the Interhemispheric Projections of Mouse Visual Cortex using Whole Brain Tissue Clearing and Imaging
Miranda L. Lopez	Education Sciences	Professor Hosun Kang	How Novice Science Teachers Learn and Develop Instructional Practices from Preparation Period to the Second Year of Teaching: Teacher Responsiveness
Deida D. Lopez	Biological Sciences	Professor Candice Taylor Lucas	Mommy & Me FiT (First one Thousand) Days Study: Maternal Responsiveness, Physical Activity, and Body Composition in Infants and Toddlers—A Novel

			Assessment of Interactions Influencing a Modifiable Early-Life Risk Factor
Jaaziel Lopez de la Luz	Mathematics	Professor Anton Gorodetski	Horizons of Piecewise Isometries: Four Modern Conjectures
Christine A. Louis	Biological Sciences	Professor Wirachin Hoonpongsimanont	Validating AUDIT using Liver Ultrasonography to Identify Alcohol Dependence
Weiheng Lu	Chemical Engineering	Professor Sunny Jiang	The Adsorption Ability of New N-Graphite to Boron
Gianna S. Lum	Earth System Science, Urban Studies	Professor Kathleen R. Johnson	Paleoclimate Reconstruction of the Northeastern Mexico Hydroclimate
Emil M. Lundqvist	Biomedical Engineering: Premedicine	Professor Anna Grosberg	Analyzing Cellular Architecture and Contractile Forces using Gradual Angle Parquet Tiles
Shulong Luo	Business Economics	Professor Amihai Glazer	Program in Corporate Welfare Summer Undergraduate Research Grant/Fellowship
Hua Luo	Education Sciences	Professor Stephanie Reich	Understanding Parents' Rules Constraining Adolescents Technology Use
John D. Luong	Biomedical Engineering	Professor Norbert J. Fortin	Disambiguating the Role of Position from Context-Related Parameters in Memory Sequencing
Cat-thi Ly	Biological Sciences	Professor Jefferon W. Chen	Clinical Implications of CNS Dural Lymphatics
Natalie T. Malek	Biomedical Engineering	Professor Bernard Choi	Comparative Analysis of Carbocyanine Dyes for Visualizing the Vascular Network of an Organ through Fluorescence Microscopy
Melody Malek	Biological Sciences	Professor James S. Nowick	Interaction of Fluorescent Teixobactin

			Analogues with Bacteria
Anush R. Markaryan	Public Health Sciences	Professor Kai Kessenbrock	Understanding the Contribution of MMP3 in BRCA1 Driven Breast Cancer
Esmeralda I. Martin	Education Sciences	Professor Stephanie Reich	"Give me the Phone Now!" Socioeconomic Differences among Latino Parents in their use of Mobile Screen Technologies for Managing the Behavior of their Young Children
Madona Y. Masoud	Biological Sciences	Professor Devon Lawson	Investigating the Metabolic Pathways of Triple Negative Breast Cancer Metastasis
Jinnen Masri	Biological Sciences	Professor Young-Jik Kwon	Gold Nanoparticle Extracellular Vesicles
Ashley K. Masuda	Neurobiology	Professor Steven Cramer	Predicting Post-Stroke Motor Recovery with Neuroimaging
Aditi Mayer	Literary Journalism, International Studies	Professor Beheroze F. Shroff	Modernity, Tradition and Nativity: Feminist Fashion as Reclamation
Meghan K. Mc Dermott	Biomedical Engineering	Professor Norbert J. Fortin	The Influence of the Prefrontal Cortex on its Interconnected Neural Regions and the Identification of Neuronal Ensembles
Cassandra J. McGill	Genetics	Professor Ali Mortazavi	Variations in microRNA Expression during Development of Divergent C. elegans Strains
Kevin K. McKinnon	Criminology, Law & Society	Professor Simon Cole	Influencers of Official Misconduct: Pressures Received from Media and Community Attention on Elected Offices of our Judicial System
Marlaina (Nashalah) K. McNamara	Dance, Education Sciences	Professor Kelli Sharp	The Role of Cultural Customs and Building Trust
Brandon M. McNeil	Human Biology	Professor Daniele Piomelli	Inducing Lipolysis in THC Administered Rodents in Order to

			Measure the Bioavailability of Adipose-Stored THC over Time and Observe Cognitive Levels
Mayalen Mercado	Biological Sciences	Professor Donald Forthal , Professor Johannes Gach	Antibody Mediated Phagocytosis of HIV-1 by Human Neutrophils
Tia J. Moore	Biological Sciences	Professor Sunil S. Gandhi	Finding Stability in an Unstable World: Effect of Virtual Environment Perturbation on Retrosplenial Place Cell Activity
Audrey H. Mosley	Psychology & Social Behavior	Professor Stephanie Reich	The Influence of Mobile Screen Technologies on Children's Behaviors and Parent-Child Interactions
Alexandra Movsesyan	Dance, Computer Science	Professor Kelli Sharp	Movement Exchange
Alyssa M. Muller	Dance	Professor Teresa Neighbors	Critical Race Theory of Asian Immigration in Panama
Jocelyne Munoz	Undeclared	Professor Ana E. Rosas	The Latinx Experience in Long Beach, California: Unearthing the Community Underpinnings of a Suburban Working Class Enclave, 1950-Present
Bridget M. Nagel	Dance	Professor Chad M. Hall	Summer Dance Jerusalem
Vihar Naik	Human Biology	Professor Allen Kong	Outcomes of Traumatic Brain Injury in Patients Taking Novel Oral Anticoagulants
Anna Natasha	Earth System Science	Professor Claudia I. Czimczik	Characterization and Bioavailability of Organic Matter in Permafrost Soils
Lily P. Nguyen	Nursing Science	Professor Sanghyuk Shin	Cloud-Based Diagnostic Reporting System to Improve Drug-Resistant TB Treatment Outcomes in Vietnam

Matthew D. Nguyen	Biological Sciences	Professor Dara H. Sorkin	Assessing Patient Satisfaction Levels and Effectiveness of Walk-In Appointment at a Student Run Free Health Clinic
Marie M. Nguyen	Biological Sciences	Professor David Baglietto-Vargas	Investigating A β Seed Propagation in a Novel Humanized Mouse Model of Sporadic Alzheimer's disease
Sierra C. Nguyen	Chemistry, Biology	Professor Christopher Vanderwal	Synthetic Efforts towards Lissoclimide Natural Product Analogues and Development of Site-Selective Aliphatic C-H Bond Halogenations
Thu T.M. Nguyen	Chemistry, Biological Sciences	Professor Gregory A. Weiss	Directed Evolution of a Quinone Synthetase, TdiA, towards a Broader Substrate Profile
Hazel Nguyen	Chemistry	Professor Jenny Y. Yang	Carbon Dioxide Reduction using Macrocyclic Complexes of Cobalt (III)
Annie Nguyen	Political Science, Psychology and Social Behavior; minor in Asian American Studies	Professor Judy Wu	How American is "Fresh Off the Boat?"
Maria Nguyen	Neurobiology	Professor Wirachin Hoonpongsimanont	Assessing Immune Cell Function using the Alcohol Use Disorders Identification Test (AUDIT)
Hannah M. Nguyen	Biological Sciences	Professor Anshu Agrawal	The Effects of Environmental Toxin on the Immune Response to Infections
Lina Nguyen	Biological Sciences	Professor Henry Hirschberg	Sequential PCI/PDT Enhances the Efficacy of Gene-Directed Enzyme Prodrug Therapy
Ruby Nuñez	Psychology	Professor Dara H. Sorkin	Unidas por la Vida: An Assessment of Compounded Stress on Related Adverse

			Health Outcomes across Vulnerable Latino Families
Ember R. Oania-Hopkins	Dance	Professor Lisa Naugle	Cultural Influence on Creative Choreographic Process and Movement Quality
Miguel A. Ochoa	Biological Sciences, Chicano/Latino Studies	Professor Travis E. Huxman, Professor Greg Vose	Intraspecies Phenotypic Plasticity of Root Functional Traits in Coastal Sage Scrub Shrubs
Armani Oganyan	Pharmaceutical Science	Professor Devon Lawson	Assessing Microglial Phagocytic Activity upon Exposure to Breast Cancer Cells
Ani Orujyan	Biological Sciences	Professor Yama Akbari	Blood Pressure during Critical Periods of Cardiac Arrest and Resuscitation and the Effects on Neurological Recovery
Davit Orujyan	Chemistry	Professor Devon Lawson	Microglial Phagocytic Activity upon Exposure to Breast Cancer Cells
Natasha Palamuttam	Biomedical Engineering	Professor Anthony J. Durkin, Professor Robert Wilson	Creation of Neural Networks to Fit Optical Properties
Anais M. Panossian	Biological Sciences	Professor Yama Akbari	Blood Pressure during Critical Period of Cardiac Arrest and Post-ROSC and the Effects on Neurological Recovery
Alma S. Pantoja	Spanish	Professor Jacobo Sefamí	Pablo Neruda, the Spokesman of Latin American People in Canto General: Political and Social Issues
George S. Parampathu	Biological Sciences	Professor Diane K. O'Dowd	Modeling SCN1A-Related Epilepsies using Induced Pluripotent Stem Cell Derived Neurons
Song H. Park	Psychology & Social Behavior	Professor Thomas Ahlering	Post-Radical Prostatectomy Prostate-Specific Antigen Doubling-Time Kinetics: The

			Effects of Diet and Exercise on PSA Progression
Stephanie M. Pascua	Biomedical Engineering	Professor Michelle Digman	Phasor-FLIM Analysis of Caffeine and Cisplatin's Metabolic Effects on a Triple-Negative Breast Cancer Cell Line
Nikita P. Patel	Biological Sciences	Professor Olivier Cinquin	Developing Radioresistance in <i>C. elegans</i> as a Means to Improve the DNA Damage Response System
Ayushi Hitesh Patel	Biomedical Engineering	Professor Yama Akbari	Analyzing the Repolarization Trends in the Sub-Delta Region in EEG for Recovery in Post Cardiac Arrest
Oliver J. Patterson	English	Professor David T. Goldberg	Transformations of West African Song: Music in Contemporary Nigerian Literature
Brian Paul	Chemical Engineering, Materials Science Engineering	Professor Ali Mohraz	Investigation of Butanediol-Polyethylene Glycol System for Improving Bijel Processability
Danielle Pegan	English	Professor Elizabeth Allen	Female Characters and the Parts they Play: A Study into the Characterization of Arthurian Women
Laura S. Pelayo	Mathematics, biology	Professor Sunil S. Gandhi	Deciphering the Interhemispheric Connectivity between Primary Visual Cortex and Higher Visual Areas
Dulce M. Perez	Education Sciences, Chicano Latino Studies	Professor Ana E. Rosas	Uncovering the Civic Engagement History of Wilmington, California, 1970-Present
Aidan L. Pham	Biological Sciences	Professor Tallie Z. Baram , Professor Annabel K. Short	Investigating the Mechanisms by which Estrus Cycle Affects Learning and Memory following Multiple Acute Stresses

Laura J. Price	Dance	Professor Chad M. Hall	Summer Dance Jerusalem 2018/19: Learning to Create by Dancing for Prominent Israeli Choreographers
Tianyin Qiu	Biological Sciences	Professor Ray Luo	The Effect of the R175H Mutation on p53 Dimer Formation
Maha A. Rauf	Biological Sciences	Professor Kai Kessenbrock	Characterizing the State Transition to Glycolysis Warburg Metabolism in Breast Cancer Initiation
Cheyenne E. Read	Art	Professor Ian Collier	City of Lights and Violence: Exposing Sociopolitical Turmoil through Photography
Paul J. Resong	Biological Sciences	Professor J Lawrence Marsh	The Role of Huntingtin in Developmental and Starvation Induced Autophagy
Danica V. Resurreccion	Public Health Sciences	Professor Jennifer A. Prescher, Professor Zachary Reinert	Engineered Luciferases as Sensors for Pathogens
Jordan R. Reyes	Political Science	Professor Caesar D. Sereres	Investigation of Geopolitical Consequences of China's Growing Demand of Cobalt Supply
Chance B. Robles	Music, Anthropology	Professor Colleen Reardon	Gender Politics of the Stage
Adriana Rodriguez	Biomedical Engineering	Professor Anna Grosberg	Investigating Fibroblastic Wound- Healing in Response to Local Injury
Alexander Rodriguez	Biological Sciences	Professor Young-Jik Kwon	Novel Biocompatible Reducing Agents for the Synthesis of Gold Nanoparticles
Preston A. Rogers	Electrical Engineering	Professor Mohammad Al Faruque	Wireless Network of Microcontrollers for Monitoring Food Intake
Shawn Alexa C. Rosario	Pharmaceutical Science	Professor Rosa M. Andrade	A Novel Chicken Embryo Model to Investigate the Pathogenic Effects of T. gondii Genotypes in the Developing Animal

Julissa Ruiz	Public Health Sciences	Professor Travis E. Huxman , Professor Evelyn Valdez-Rangel	Effects of Soil Microbes on <i>Phacelia parryi</i> Drought Tolerance
Ashkan Sadeghifard	Mechanical Engineering	Professor Jaeho Lee	Chameleon-Inspired Thermal Camouflage by Nanoparticle Films
Kian C. Samimi	Neurobiology	Professor Karina Cramer	Non-Apoptotic Caspase Expression in the Developing Auditory Brainstem
Sadie A. Sandoval	Dance, Political Science	Professor Chad M. Hall	Summer Dance Jerusalem
Madeline Sands	Chemistry	Professor Shadi Lahham	Point-of-Care Ultrasound (POCUS) in the Diagnosis of Necrotizing Fasciitis
Patricia Elise Ann G. Sarion	Political Science, International Studies	Professor Heidi Hardt	The Impact of Gender on Knowledge Sharing in International Organizations: The Case of the World Bank
Mindy C. Saylor	Electrical Engineering	Professor Ozdal Boyraz	Non-Invasive Current Monitor for Smart Grid Security and Active Load Control
Samantha M. Scheller	Dance	Professor Chad M. Hall	Finding Self within Culture—Branch Two: Jerusalem and Tel Aviv, Israel
Samantha M. Scheller	Dance	Professor Lisa Naugle	Finding Self within Culture—Branch One: Rome, Italy
Ishan A. Shah	Biological Sciences, Minor: Information & Computer Sciences	Professor Jefferson W. Chen	Clinical Implications of CNS Dural Lymphatics
Xiecheng Shao	Neurobiology	Professor An H. Do	Design of BCI System utilizing Micro-Controller
Angelica M. Sheen	Psychology	Professor Susanne M. Jaeggi	Socioeconomic Effects on Cognitive Training Progress and Engagement in Children
Mouhamad Shehabat	Chemistry, Biological Sciences	Professor John C. Chaput	Elucidating the Ternary Structure of an Evolved TNA Polymerase
Alyse N. Sherrick	Social Ecology	Professor Naomi F. Sugie	An Online Interactive Map of Locations that Have Adopted Ban

			the Box Measures
Alexander K. Shmakov	Computer Science, Mathematics	Professor Pierre Baldi	Applications of Reinforcement Learning to Protein Folding
Jacob Shoham	Computer Science	Professor Mark Walter	UCI Rocket Project
Oren R. Shoval	Biomedical Engineering	Professor Marc J. Madou	Design for a Universal Automated Sample Preparation and Loading Interface for Lab-on-CD Devices
Mark A. Siemens	Biomedical Engineering, Mechanical Engineering	Professor Anna Grosberg	Manufacturing Silicone Membranes for a Stretching Device to Determine the Effect of Strain on Cells with Lamin A/C Mutations
Anushka N. Silva	Public Health Sciences	Professor Kai Kessenbrock	Generating Myeloid Derived Suppressor Cells in vitro
Namrata Singh	Biological Sciences	Professor Jennifer A. Prescher	Understanding the Origins of Selectivity of Orthogonal Luciferase/Luciferin Pairs
Karanveer Singh	Public Health Sciences	Professor Jogeshwar Mukherjee	Synthesis and Evaluation of Nifrorhodamine: A New Fluorescent Imaging Agent for $\alpha 4\beta 2$ Nicotinic Acetylcholine Receptors
Ryan H. Sivoraphonh	Computer Science	Professor Charless C. Fowlkes	Developing Computational Models for Investigating the Effects of Post Infarction Reinnervation
Rachel N. Smith	Cognitive Sciences	Professor Susanne Jaeggi	Improving Memory Consolidation through Transcranial Direct Current Stimulation in Older Adults
Jayson R. Smith	Psychology	Professor Sarah D. Pressman	Cultural Differences between Ideal Affect and Actual Affect and their Influence on Health and Depression
Steven Snow	Chemistry	Professor David L. Van Vranken	Reaction Predictor

Kanika Sophal	Chemistry	Professor Robert Spitale	Interrogating the Mitochondrial Transcriptome in situ with Spatially-Restricted RNA Crosslinking
Gloria Sosa	Anthropology	Professor Leo R. Chavez	DACA Recipients: Out of School and Out of Status
Diana G. Soto-Vazquez	Psychology & Social Behavior	Professor Laura E. Enriquez	Undocumented Student Resources at the University of California: Investigating Ways to Improve Support and Resources
Sien Tam	Biomedical Engineering	Professor Wendy Liu	Defining the Potential of Macrophage-Enhanced Wound Healing using 2D and 3D Scratch Assays
Andrew N. Tang	Biological Sciences	Professor Ilhem M. Powers	Impact of Pregravid Maternal Obesity on Innate Immune Responses in Neonates
Ardyss Thai	Chemistry	Professor Nancy Da Silva	Examining the use of Acetate as Primary Carbon Source for Yeast
Myint Myat Thu	Biological Sciences	Professor Pavan Kadandale	Effects of Student-Written Question Quality on Exam Performance
Yhardfah Tiemsanjai	Biological Sciences	Professor Elizabeth Jarvo	Development of Nickel-Catalyzed Cross-Electrophile Couplings for Cyclopropane Synthesis
Mariel K. Tisby	Cognitive Sciences	Professor Virginia Richards	Accumulation of Auditory Spectral Information
Tien To	Public Health Sciences	Professor Maxwell A. Thompson, Professor Shadi Lahham, Professor Wirachin Hoonpongsimanont	Can Emergency Physicians use Point of Care Ultrasound to Accurately Diagnose Diastolic Dysfunction?
Celine Ton	Biological Sciences	Professor Christine Suetterlin	Generating Par6 γ and Par6 α Knockout Cells using CRISPR-Cas9

Leona Torosian	Pharmaceutical Science	Professor Kai Kessenbrock	Characterizing Myeloid Derived Suppressor Cells in Different Breast Cancer Model
Diego Torres	Computer Engineering	Professor Scott Samuelsen	APEP's Distribution System for Data
Fredeswinda C. Torres	Biomedical Engineering	Professor Peter C. Tseng	Biopolymer-Enhanced, Wearable Devices
Christian A. Totoiu	Chemical Engineering	Professor Gregory A. Weiss	Vortex Fluidic Device-Mediated DNA Extraction from Historical Specimens
Mohammad R. Turchian	Biological Sciences	Professor Susanne Jaeggi	Combined Cognitive and Motivational Intervention for Children with ADHD
Melanie Tram	Nursing Science	Professor Alessandra C. Martini	Impaired IL-1 β Signaling and Alzheimer's disease
Felicia Tran	Biomedical Engineering	Professor Wendy Liu	Engineering Adhesive Immunomodulatory Hydrogels to Promote Macrophage-Mediated Healing
Calvin N. Trinh	Biology/Education	Professor Albert Siryaporn	Swarming Motility Patterns in Pseudomonas aeruginosa Post-Bacteriophage Infection
Annie Trinh	Genetics	Professor Albert Siryaporn	Interspecies Biofilm Dispersal between Escherichia coli and Pseudomonas aeruginosa: Identifying the Dispersal Signaling Molecule in the E. coli Biofilm Dispersal Signaling Pathway
Danny A. Truong	Biological Sciences	Professor Cascade Sorte	California Space Invaders! Studying Ecological Drivers on Fouling Community Composition in Newport, Huntington, and Bodega Harbor, California
Nina S. Udagawa	Chemistry, Criminology minor	Professor Nien-Hui Ge	Surface Enhanced FTIR and 2DIR Spectroscopy Method for Silk Fibrin and

			Lipid Membrane Analysis
Richard A. Umboh	Aerospace Engineering	Professor Peter C. Tseng	Near Field Communication Compatible Trilayer Sensors for Physiological Sensing
Manal T. Usmani	Biological Sciences	Professor Vipin K. Parihar	Sex-Specific Cognitive Deficits following Exposure to Galactic Cosmic Rays
Ellen Uyeda	Computer Science, Language Science	Professor Lisa Pearl, Professor Gregory Scontras	Creating a Machine Readable Dataset of Sign Language Annotation
Sophia M. Vangelatos	Dance	Professor Lisa Naugle	Dance Collaboration in Italy
Samuel Vargas	Electrical Engineering	Professor Ozdal Boyraz	Non-Invasive Current Monitor for Smart Grid Security and Active Load Control
Reuben J. Varghese	Biological Sciences	Professor Kavita Arora	Analysis of Different Isoforms of the Activin Type I Receptor in Drosophila Metamorphosis
Nikita Verma	Biological Sciences	Professor Oliver Cinquin	Improving Radio-Resistance and the DNA Damage Response by Evolving Radioresistant Lymphoblast Cells
Anil Verman	Biomedical Engineering: Premedicine	Professor Sunil Gandhi	"Special Call" Temple Run: Mouse Edition
Nathalie C. Vidal	Business Economics	Professor Maura Allaire	Equity in California's Water Pricing, Affordability, and Urban Water Conservation
Thy P. Vu	Biological Sciences	Professor Diane K. O'Dowd	Determining the Mechanisms behind Dysfunction in Drosophila Models of Epilepsy
Songyang Wang	Biomedical Engineering	Professor Yama Akbari	Acute Changes in Brain Connectivity in a Post-Resuscitation Rat Model of Cardiac Arrest
Li Wang	Biological Sciences	Professor Maxwell A. Thompson, Professor Shadi Lahham	Tricuspid Annular Plane Systolic Excursion (TAPSE) Assessment in Septic

			Cardiomyopathy
Ethan J. Ward	Chemistry	Professor Rachel Martin	N-terminal Extension in S-crystallin Mediates Interactions between Proteins
Jessica R. Winokan	Biological Sciences, Sociology	Professor Yi-Hong Zhou	Analysis of a Novel Anti-GBM Therapeutics in Potential Suppressing of Tumor Vascularization
Katherine C. Wong	Dance	Professor Lisa Naugle	Cultural Influence on the Artistic Mind
Kristen Wong	Materials Science Engineering	Professor Martha L. Mecartney	Thermal Conductivity of Rare-Earth Titanate and Zirconate Pyrochlores using a 3-Omega Technique
Yiren Wu	Economics	Professor Gary Richardson, Professor Amihai Glazer	Program in Corporate Welfare Summer Undergraduate Research Grant/Fellowship
Calvin Y. Xu	Nursing Science	Professor Baotran Vo	Perceived Stress Levels and Coping Techniques Analysis among Patients at the An Lành Free Clinic
Songyuan Yan	Chemistry	Professor David L. Van Vranken	Progress towards Synthesis of (\pm)-Pestalachloride C and Derivatives for Biological Testing
Sijia Yang	Biological Sciences	Professor Autumn S. Ivy	The Role of Nr4a1 Expression in Memory Enhancement after Early-Life Exercise
Amy Yee	Computer Engineering	Professor Kenneth Mease, Professor Mark Walter	UCI Rocket Project
Patrick S. Youssef	Mechanical Engineering	Professor David J. Reinkensmeyer	MOVit 2.0: A Wheelchair Designed to Decrease Sedentarism for Duchenne Muscular Dystrophy Patients through Exercise Based Controls
Jiayi Yuan	Business Economics	Professor Gary Richardson, Professor Amihai Glazer	Program in Corporate Welfare Summer Undergraduate Research Grant/Fellowship

Giulianna N. Zelaya	Biological Sciences	Professor Olivier Cinquin	Establishing a DNA Damage Repair Assay in Lymphoblast Cells
Lisha Zeng	Biological Sciences	Professor Diane K. O'Dowd	Simulation and Immunohistochemistry Studies of Febrile Seizures in a GEFS+ Mouse Model
Yongheng Zhang	Data Science	Professor Amihai Glazer	Program in Corporate Welfare Summer Undergraduate Research Grant/Fellowship
Qinyue Zhou	Quantitative Economics, Mathematics	Professor Gary Richardson	Program in Corporate Welfare Summer Undergraduate Research Grant/Fellowship

Number of Proposals Submitted = 347
Number of Fellowships Awarded = 269
Number of Honorary Fellowships = 30

Total Funds Requested = \$989,273
Total Funds Awarded = \$342,100

For more information, please contact:

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