

ID-SURE Grant Recipients[See ID-SURE Grants/Fellowships](#)

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Congratulations to the following students for receiving a Inter-Disciplinary Summer Undergraduate Research Experience (ID-SURE) Fellowship in support of their faculty-mentored research projects and creative activities.

| Student Name | Major(s) | Faculty Mentor(s) | Project Title |
|---|------------------------|---|---|
| Hannah Abarquez | Public Health Sciences | Daniel Stokols | Analysis of Environmental Purchasing Behaviors and Framing as Presented in Popular U.S. Lifestyle Magazines |
| Sejad Al-Tahan | Biological Sciences | Anand Ganesan | Producing Transgenic Mice Using Inducible RNAi System with Novel shRNA Algorithms |
| Geoffrey Blair Astudillo | Biological Sciences | Johanna Shapiro | Evaluation of Levels of Compassion and Empathy Preceding and Proceeding a Class |
| Kelly Block | Psychology | Roxane Cohen Silver | Adolescents with Cancer and their Parents: Perceptions of Support and Quality of Life |
| Vivian Bui | Biological Sciences | Jogeshwar Mukherjee | Curcumin Analog for Imaging β -Amyloid Plaques |
| Jonathan Carrasco Cabrera | Sociology | David Kirkby , Daniel Stokols | Diffusion of Feedback: |

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| | | | Perceptions, Impressions, and Barriers to Adoption |
| Vickie Cheng | Chemistry | Sheryl Tsai | Interpreting the Role of HedE in the Biosynthesis of the Hedamycin Aromatic Core |
| Connie Chung | Biological Sciences | Bruce Blumberg | The Role of ERF in Primary Neurogenesis |
| Alex Corches | Biological Sciences | Jogeshwar Mukherjee | 18F-Nifene PET for Early Diagnosis of Lung Cancer |
| Mark Dennison, Jr. | Psychology | Margaret Schneider | Feeling States and Heart Rates Pilot Study |
| James Dolas | Electrical Engineering | Regina Ragan | Design and Fabrication of a MEMS Biosensor for Cellular Transport Research |
| Katrin Escobar | Urban Studies | Daniel Stokols | Environmental Messaging in Popular Lifestyle Magazines: Are the Most Effective Conservation Behaviors Being Promoted to the American Public? |
| Jeffrey Go | Biomedical Engineering: Premedicine | Michelle Khine | The Development and Optimization of a Protocol for Differentiating Human Embryonic Stem Cells into Cardiomyocytes |
| Avina Gupta | Biomedical Engineering | Michelle Khine | Shrink Induced Immunosensors from Shape Memory Polymers |
| Sara Hariri | Biomedical Engineering: Premedicine | Arash Kheradvar | A Hybrid Self-Regenerative Tissue Approach as a Proper Alternative for |

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| | | | Prosthetic Heart Valves |
| Roni Hazim | Developmental & Cell Biology | Leslie Lock | DUX4-Mediation of FSHD Pathogenesis |
| Hao Hsu | Biological Sciences | Yi-Hong Zhou | Analyzing the Effect of Deletion/Mutation Constructs of EFEMP1 in Glioma Cell Invasion and Anchorage-Independent Growth |
| Irvin Huang | Electrical Engineering | Catherine Loudon | A Green Approach to Insect Pest Control Efforts: the Effects of Sticky Surfaces on Bedbug Locomotion |
| Christopher Hung | Chemistry | Philip Felgner | Toxoplasma gondii |
| Kristie Ledezma | Biological Sciences | Elliot Hui | Fabrication of a Chamber for Successive High Definition Imaging of Hydra during Regeneration |
| Benjamin Lesel | Chemistry | Kenneth Shea | Analysis of a Sulfonate Containing Polymer Nano-Particle for Selectively Targeting Toxic Peptides |
| Michael Liu | Biological Sciences | Wadie Najm | Determining the Attitudes and Use of Complementary, Alternative, and Integrative Medicine Among Undergraduates |
| Adam Malnove | Social Ecology | David Kirkby, Daniel Stokols | uci@home Interactive Demonstration |
| Delsy Martinez | Chemistry | Sheryl Tsai | Solving the Crystal Structure of Polyketide |

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| | | | Synthase I Product Template Domain |
| Nicole Mendoza | Biomedical Engineering | Steven George | Studying Tumor Cell Behavior in Response to Varying Oxygenation Conditions |
| Nathan Mih | Biochemistry & Molecular Biology | Sheryl Tsai | Structure-Function Relationship of Mycocerosic Acid Synthase in Mycobacterium tuberculosis |
| Amber Morley | Psychology | Ilona Yim | Autonomic Reactivity to Stress and Depressive Symptoms in Early Pregnancy |
| Jessica Ng | International Studies | David Kirkby, Daniel Stokols | Typology of Residential Energy Feedback |
| Catherine Nguyen | Biomedical Engineering | Michelle Khine | Spontaneous Differentiation of Human Embryonic Stem Cells Using Biomimetic Multi-Scale Wrinkled Substrates |
| Christopher Nguyen | Pharmaceutical Science | Virginia Kimonis | Characterization of the Neo-VCPR155H/- Knock-In Mouse Model of VCP-Associated Inclusion Body Myopathy, Paget Disease and Frontotemporal Dementia (IBMPFD) |
| Himika Patel | Pharmaceutical Science | Jogeshwar Mukherjee | [¹⁸ F]FBM Binding to the Beta Amyloid Senile Plaques and Neurofibrillary Tangles in the Brain |

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|-----------------------------------|----------------------------------|--|---|
| Sarah Peraza | Biological Sciences | Elysia Davis | Patterns in Maternal Behavior and Child Mental Health |
| Kevin H. Phung | Biological Sciences / Psychology | Julie Patterson | Impact of Background Noise on Brain Responses to Tones in Schizophrenia and Bipolar Disorder |
| Scott Sabalvaro | Public Health Policy | Tim Bruckner | Income Shocks and Unintentional Injuries among Cherokee Indians: A Natural Experiment |
| Amy Sage | Biological Sciences | Grant MacGregor | Analysis of the Function of FNDC3A in Mammary Gland Development in Mice |
| Cassandra Squiers | Earth & Environmental Science | Daniel Stokols | Market Characterization of Energy Feedback Technology |
| Nathan Sugarman | Biological Sciences | Philip Felgner | Identify Potential Subunit Vaccine Candidates for Plasmodium Falciparum |
| Nicklas Svensson | Urban Studies | David Kirkby, Daniel Stokols | Retail Market Analysis of Energy Feedback Devices |
| Brian Tran | Biological Sciences | Pietro Galassetti | Altered Insulin Response to Exercise in Pediatric Obesity |
| Alexander Truong | Urban Studies | Daniel Stokols | Transportation Behaviors: Which are Encouraged to the American Public and Do they Have an Impact? |
| Thanh Truong | Psychology & Social Behavior | Candice Odgers | Parental Monitoring and |

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| | | | Adolescent Dietary Behaviors |
| Mehran Umerani | Chemistry | Wangcun Jia | The Efficacy and Safety of Pulsed Dye Laser and Topical Temsirolimus in the Inhibition of Blood Vessel Regeneration |
| Michael Vo | Chemistry | Sheryl Tsai | The Mystery of the Second Di-Domain: Polyketide Ring Specificity |
| Timothy Vu | Biomedical Engineering | James Jester, Abraham Lee | Effects of Mechanical Stress on Keratocytes and their Extracellular Matrix |
| Leiza Walia | Biological Sciences | Petra Wilder-Smith | Screening Dental Caries with Optical Coherence Tomography |
| Jannelle Watson | Political Science | Katherine Tate | Earthquakes, Government and Public Attitudes |

Number of Proposals Submitted = 53
Number of Fellowships Awarded = 46
Number of Honorary Fellowships = 0

Total Funds Requested = \$104,235
Total Funds Awarded = \$65,300

For more information, please contact:

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