

**SURP Grant Recipients****[See SURP Grants/Fellowships](#)**[2004 SURP Grant Recipients](#)[2003 SURP Grant Recipients](#)[2002 SURP Grant Recipients](#)[2001 SURP Grant Recipients](#)[Download Printable Version](#)**SURP Awards - 2004**

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

Student Name	Major(s)	Faculty Mentor(s)	Project Title
<u><a href="#">Amin Abdinezhad</a></u>	Biological Sciences	<u><a href="#">Professor James L. McGaugh</a></u> , <u><a href="#">Dr. Christa K. McIntyre</a></u>	The Role of the Immediate-Early Gene Arc on Consolidation of Spatial and Stimulate-Response Memories
<u><a href="#">Arsen Akopyan</a></u>	Biological Sciences	<u><a href="#">Professor Grant MacGregor</a></u>	Analysis of Mammary Gland Development in Sys Mice
<u><a href="#">Elizabeth A. Anderson</a></u>	Psychology & Social Behavior	<u><a href="#">Professor Roxane Cohen Silver</a></u>	Childhood Negative Events, Avoidance Motivation and Health in Adulthood
<u><a href="#">Evan F. Anderson</a></u>	Anthropology	<u><a href="#">Professor Teresa Caldeira</a></u>	Tasting Tourism: The New "Sugar" in Paradise
<u><a href="#">Christian R. Anguiano</a></u>	Biological Sciences, Chicano/Latino Studies	<u><a href="#">Professor Gregory A. Weiss</a></u>	Synthesis of Terpenoid Estrogen Precursors
<u><a href="#">Kaveh Azartash</a></u>	Biomedical Engineering	<u><a href="#">Professor Noo Li Jeon</a></u>	Chemotaxis
<u><a href="#">Vasudev J. Bailey</a></u>	Biomedical Engineering	<u><a href="#">Professor William C. Tang</a></u>	Strain Sensitive Array for the Study of Bone Surface Mechanics
<u><a href="#">Gregoria Barazandeh</a></u>	Political Science	<u><a href="#">Professor Caesar Sereseres</a></u>	Attitudes Toward Disabilities and Reasonable Accommodations and a Workable Communication Solution: Disability Fact Sheet Handbook

<a href="#">Huan N. Bien</a>	Chemistry	<a href="#">Professor Guey-Chuen Perng</a>	Identify the Promoter of Pro-Apoptosis AL Gene Encoded by Herpes Simplex Virus
<a href="#">Michelle A. Camaya</a>	Dance	<a href="#">Professor Nancy L. Ruyter, Dr. Patrick Alcedo</a>	Philippine Tribal Tour 2004
<a href="#">David N. Chan</a>	Biological Sciences	<a href="#">Professor Guey-Chuen Perng</a>	Quantitation of LAT RNA Transcript in an HSV-1 Mutant with the Regulatory Element of LAT Promoter Deleted
<a href="#">Edmund Chang</a>	Information & Computer Science	<a href="#">Professor Hong-Kai Zhao</a>	Visualization and Analysis of Large Sets of Discrete Points
<a href="#">Jennifer C. Channual</a>	Neurobiology	<a href="#">Professor Ranjan Gupta</a>	The Temporal Pattern of Macrophage Recruitment in a Model for Chronic Nerve Compression
<a href="#">Jacqueline M. Chattopadhyay</a>	Political Science, Economics	<a href="#">Professor Mark P. Petracca</a>	Representation and Rhetoric: An Exploratory Study of Descriptive Representation of Racial and Ethnic Minorities in Government Institutions and Popular Discourse
<a href="#">Michelle Y. Chen</a>	Information & Computer Science	<a href="#">Professor William C. Tang</a>	Stem Cells: Are They Mechanosensitive?
<a href="#">Erin M. Conn</a>	Biological Sciences, Psychology & Social Behavior	<a href="#">Professor Christopher C. Hughes</a>	Cloning of Wnt 3A cDNA
<a href="#">Shannon J. Curry</a>	Psychology & Social Behavior	<a href="#">Professor Richard Matthew</a>	Violence in Peru: The Effects of Segregation, Poverty, and Abusive Power
<a href="#">Erin M. Curtis</a>	Biological Sciences	<a href="#">Professor Aileen Anderson</a>	Quantification of Human Stem Cells in a Mouse Model of Spinal cord Injury
<a href="#">Natalia Dmitrieva</a>	Psychology &	<a href="#">Professor Susan T.</a>	Storytelling: A Study

	Social Behavior, Philosophy	<a href="#">Charles</a>	of Emotions
<a href="#">David Donald</a>	Art History	<a href="#">Professor Gary Richardson</a>	Re-Imagining Visual Representations of Communism
<a href="#">Jamie Dreyer</a>	Political Science	<a href="#">Professor Mark Petracca</a>	U.S. Foreign Policy in Iraq and North Korea: The Nuclear Threat Connection
<a href="#">Philip A. Dupre'</a>	Studio Art	<a href="#">Professor Ulysses S. Jenkins</a>	Documentary on Comedians
<a href="#">Hamed Ebrahimi</a>	Information & Computer Science	<a href="#">Professor Richard D. Nelson.</a> <a href="#">Professor John c. LaRue</a>	Demonstrate the Utility and Operational Limits of Self-Assembled Networks
<a href="#">Rena M. Elhatem</a>	History	<a href="#">Professor Vicki L. Ruiz</a>	Nineteenth-Century Family And Divorce In The American West
<a href="#">Alejandro Espinoza</a>	Chicano/Latino Studies, Sociology	<a href="#">Professor Caesar Sereseres</a>	From Barrio to Middle Class
<a href="#">Adrian A. Fernandez</a>	Biological Sciences	<a href="#">Professor Steven C. George</a>	Identifying the Effects of Different Diffusion Limitations on Capillary Tube Formation from Endothelial Progenitor Cells
<a href="#">Rosalba Gama</a>	Anthropology, Chicano/Latino Studies	<a href="#">Professor Raul A. Fernandez</a>	Bolivian Resistance to Multinational Corporations Through Cultural Expression and Embracing Indigenous Identity
<a href="#">Mathew Garcia</a>	Aerospace Engineering	<a href="#">Professor Kenneth D. Mease</a>	Autonomous Model Airplane Design and Flight
<a href="#">Holly E. Gerhard</a>	Psychology	<a href="#">Professor Charles E. Wright</a>	The Capacity of Visual Short Term Memory
<a href="#">Sara H. Ghazi</a>	English	<a href="#">Professor Ginger Stickney.</a> <a href="#">Professor Greg Hickok.</a> <a href="#">Professor Fan-Gang Zeng</a>	Brain Mechanisms in Auditory-Visual Speech Perception

<a href="#">Leland R. Gilreath</a>	Electrical Engineering	<a href="#">Professor Franco De Flaviis</a>	Characterizing the Loss and Dielectric Properties of Microstrip Transmission Line Substrates
<a href="#">Dirk H. Groeneveld</a>	Information & Computer Science	<a href="#">Professor Falko Kuester,</a> <a href="#">Professor Tara C. Hutchinson</a>	VizION: The VizClass Interface Operating Network
<a href="#">Jorge L. Guerra</a>	Physics	<a href="#">Professor Philip Collins</a>	Bridging the Gaps Between Micro- and Nano-Electronics
<a href="#">Tricia Ann A. Gumabon</a>	Biological Sciences	<a href="#">Professor Fan-Gang Zeng</a>	Identification of Monaural Cues in Speech Intelligibility
<a href="#">Sameer K. Hassamal</a>	Biological Sciences	<a href="#">Dr. Albert E. Cerussi</a>	Establishing the Relationship Between Histology and Macroscopic Optical Properties
<a href="#">Melissa K. Hill</a>	Biological Sciences	<a href="#">Professor Oswald Steward</a>	Effect of Strain Background in Mouse Models of Huntington's Disease
<a href="#">Angela C. Huang</a>	Biological Sciences	<a href="#">Professor Fillmore Freeman</a>	Density Functional Theory Study of Cycloaddition Reactions of Dicyanoazomethine Ylides
<a href="#">Kristen N. Hunsberger</a>	English	<a href="#">Professor Elizabeth Guthrie,</a> <a href="#">Professor Glen S. Levine</a>	Moving From Culture Shock to Cosmopolitanism: The Position of Students Immersed in Educational, Cross-Cultural Experiences
<a href="#">Flyse M. Hunt-Heinzen</a>	Psychology & Social Behavior, Criminology, Law & Society	<a href="#">Professor Ray W. Novaco</a>	Aggressive Symptoms and Behaviors of Elderly Individuals Diagnosed with Dementia, Alzheimer's Mental Disorders Residing in Nursing Homes and Psychiatric Hospitals
<a href="#">Jalene F. Imaoka</a>	Biological	<a href="#">Professor Andrea J.</a>	Effect of Antibody to

	Sciences	<a href="#">Tenner</a>	$\beta$ -amyloid on the Microglial Mediated A $\beta$ -Induced Neurotoxicity
<a href="#">Yuuiuchi S. Inomata</a>	Economics	<a href="#">Professor Gary Richardson</a> , <a href="#">Professor Ivan Jeliazkov</a>	Revisiting the Great Depression: An Analysis on Bank Failures with Hierarchical Modeling
<a href="#">Karl F. Isenberg</a>	Undeclared	<a href="#">Professor Pai H. Chou</a>	Web-Based PDF Document Creation and Editing Tool
<a href="#">Elbert P. Jacinto</a>	Biological Sciences	<a href="#">Professor Steven George</a>	Activation of ERB - B2 Receptors to Stimulate a Myofibroblast Phenotype from Fibroblasts
<a href="#">Lauren E. Johnson</a>	English	<a href="#">Professor Michelle Latiolais</a>	(Rough Title) -- "Center" -- A Collection of Short Stories
<a href="#">Vic P. Keschrumrus</a>	Biomedical Engineering	<a href="#">Professor Andrew Putnam</a>	Regulation of Vasculogenic Mimicry via Substrate-Mediated Gene Delivery
<a href="#">Mykhaylo Kostandov</a>	Computer Engineering	<a href="#">Professor Joerg Meyer</a>	Navigation System for Virtual Reality Visualization of Large-Scale Datasets
<a href="#">Mercedes A. La Voy</a>	Psychology	<a href="#">Professor Mark Steyvers</a>	Effect of Picture Similarity on Recognition Memory
<a href="#">Shadi Lahham</a>	Biological Sciences	<a href="#">Professor Federico Vaca</a> , <a href="#">Dr. John Christian Fox</a>	Can Emergency Physicians Diagnose Appendicitis Using Bedside Ultrasound?
<a href="#">Daniel K. LaVigne</a>	Biological Sciences	<a href="#">Professor Abraham P. Lee</a>	Identifying and Sorting Given Types of Human Neural Stem Cells Via Microfluidics and Electrostatic Analysis
<a href="#">Gwendolyn A. Le</a>	Biological	<a href="#">Professor Guey-</a>	Mapping the

	Sciences	<a href="#">Chuen Perng</a>	Essential Bipartite Nuclear Localization Signal Domain or UOL Protein
<a href="#">Diana Le</a>	Biological Sciences	<a href="#">Professor Peter Bryant</a>	Determining Gene Expression in Antennae of Female and Male Anopheles Gambiae Mosquitoes
<a href="#">Anh H. Le</a>	Computer Engineering	<a href="#">Professor Abraham Lee</a>	Cell Encapsulation on Microfluidic Platform
<a href="#">Teresa C. Lee</a>	Biological Sciences	<a href="#">Professor Guey-Chuen Perng</a>	Isolation of HSV-1 Small RNA Interference Molecules in Latently Infected Rabbit TG
<a href="#">Brandon J. Lee</a>	Undeclared	<a href="#">Professor Steven C. George</a>	Contribution of TGF-beta in Cell-to-Cell Signaling on Epithelial-Fibroblast Interactions
<a href="#">Tsai Wei R. Lee</a>	Economics	<a href="#">Professor Ivan G. Jeliazkov</a> , <a href="#">Professor Gary Richardson</a>	Revisiting the Great Depression: An Analysis on Bank Failures with Hierarchical Modeling
<a href="#">Chao Li</a>	Biological Sciences	<a href="#">Professor Brian Wong</a>	Assessment of Collagen Expression During Nd:YAG Laser Mediated Repair of Hyaline Cartilage.
<a href="#">Kevin Louterback</a>	Physics, Electrical Engineering	<a href="#">Professor Philip Collins</a>	Synthesis of Nanowire Heterojunctions for Advanced Nanoelectronic Devices
<a href="#">Marc L. Macaranas</a>	Dance	<a href="#">Professor Lisa Naugle</a>	Then and Now: A Look at the Evolution of American Modern Dance
<a href="#">Tuong T. Mai</a>	Biological Sciences	<a href="#">Professor Bogi Andersen</a>	mRNA Study of Hair Growth Associated Genes
<a href="#">Trevor A. Martinez</a>	Earth &	<a href="#">Professor Jin-Yi Yu</a>	El Nino's Impacts on

	Environmental Sciences		California Rainfall and Water Resources
<a href="#">Deborah L. Mitchell</a>	Biochemistry & Molecular Biology, Chemistry	<a href="#">Professor Sheryl C. Tsai</a>	Targeting Acyl CoA Carboxylase as a Source of Novel Polyketides; ACCase Mutation Studies
<a href="#">Sukant Mittal</a>	Biomedical Engineering	<a href="#">Professor Noo Li Jeon</a>	Microfluidic Neurochamber for Neuroscience Research
<a href="#">Erik Montes</a>	Biological Sciences	<a href="#">Dr. Susan E. McNulty</a>	Regulation of NFkB by CK2 in melanoma
<a href="#">David Ng</a>	Biological Sciences, Chemistry	<a href="#">Professor Ronald Sherman</a>	Maggots as Fomites: Carriers of Infectious Diseases
<a href="#">Thong X. Nguyen</a>	Chemistry	<a href="#">Professor Keith A. Woerpel</a>	Silylcarbonylation of Terminal and Internal Alkynes
<a href="#">Catherine H. Nguyen</a>	Comparative Literature, European Studies	<a href="#">Professor John B. Culbert</a>	Vietnamese Francophone Literature: A Literary Survey
<a href="#">Hao H. Nguyen</a>	Biological Sciences	<a href="#">Professor Peter J. Bryant</a>	Drosophila Genetics - Disc - Large and ADGF -a in Drosophila Genome.
<a href="#">John S. Nobori</a>	Drama	<a href="#">Professor Cliff Faulkner</a>	The Revitalization of Theater Through Community-Based Process
<a href="#">Jessica A. O'Connell</a>	Studio Art, Information & Computer Science	<a href="#">Professor Bill Tomlinson</a>	The Protohuman Project
<a href="#">Maria Oh</a>	Biological Sciences	<a href="#">Professor Frances M. Leslie</a>	Affect of Nicotine on Adolescent Brain
<a href="#">Jill N. Olson</a>	Anthropology	<a href="#">Professor Gary Richardson</a>	Re-Imagining Visual Representations of Communism
<a href="#">Michelle S. Palmer</a>	Chemical Engineering	<a href="#">Professor Daniel R. Mumm</a>	Analysis of the Performance of Novel Truss Lattice Structures II
<a href="#">Mayur R. Patel</a>	Mechanical	<a href="#">Professor Derek</a>	Structural Design,

	Engineering, Aerospace Engineering	<a href="#">Dunn-Rankin</a>	Analysis, and Fabrication of a Nano-Satellite
<a href="#">Thu N. Pham</a>	Biological Sciences	<a href="#">Professor Bogi Andersen</a>	The Epidermal Expression Patterns of Selected Genes in Dominant Negative Clim Mice
<a href="#">Beth L. Pineles</a>	Chemistry, Biological Sciences	<a href="#">Professor Curt Sandman</a>	Response of Infants in the NICU to a Repeated Nociceptive Stimulus
<a href="#">Nick Punt</a>	Psychology	<a href="#">Professor Edward K. Wong</a>	Visual Rehabilitation of Hemianopic Patients Using Inexpensive Version of Luebeck Therapy
<a href="#">Andrea A. Ramirez</a>	International Studies	<a href="#">Professor Nancy L. Ruyter</a>	Untitled
<a href="#">Nikhil R. Rao</a>	Biological Sciences	<a href="#">Professor David A. Fruman</a>	Role of PEST Sequence in KLF 4
<a href="#">Evamarie Rodriguez</a>	History, Art History	<a href="#">Professor Alice Fahs</a>	The Growing Effect of Baseball Cards
<a href="#">Sean R. Rosenbaum</a>	Information & Computer Science, Mathematics	<a href="#">Professor Padhraic Smyth</a>	Clustering the Web
<a href="#">Margaret L. Rottman-Hipps</a>	Drama	<a href="#">Professor Myrona Delaney</a>	How a Small Town California Girl Can Transform Into a Hollywood Star?
<a href="#">Puja B. Ruparel</a>	Computer Engineering	<a href="#">Professor Derek Dunn-Rankin</a>	UCISAT
<a href="#">Ellika Sadr</a>	Biological Sciences, Psychology & Social Behavior	<a href="#">Professor Hans S. Keirstead</a>	Targeting the Immune System: A Possible Therapy to Spinal Cord Injury
<a href="#">Anant Sanchetee</a>	International Studies	<a href="#">Professor Paula Garb</a>	Children Stained in the "Red"
<a href="#">Sean M. Sepulveda</a>	Biochemistry & Molecular Biology, Mathematics	<a href="#">Professor Michael R. Rose</a>	Injury, Stress, and Aging
<a href="#">Tirath J. Shah</a>	Biological Sciences	<a href="#">Professor Ricardo Miledi</a>	Comparative Study of GABA and Glycine Receptors in Spinal Cord and Brain Membranes of

			Different Fish Species.
<a href="#">Shabnam Shenasi Azari</a>	Sociology, International Studies	<a href="#">Dr. Lina H. Kreidie</a>	Is Iran Ripe for Democratic Change?
<a href="#">Sonya S. Singh</a>	Biological Sciences	<a href="#">Professor Fan-Gang Zeng</a>	Melody Recognition at Varying Frequency Ranges
<a href="#">Cassandra Stewart</a>	Biological Sciences	<a href="#">Professor Linda Nelson</a>	The Progression of Alzheimer's disease in Down syndrome
<a href="#">Deepthi Sudhakar</a>	Chemistry	<a href="#">Professor Keith A. Woerpel</a>	Stabilization of Oxocarbenium Ion Intermediates via Hyperconjugation of a Carbon-Halogen Sigma-Bond
<a href="#">James Sutandyo</a>	Information & Computer Science	<a href="#">Professor Thomas Alspaugh</a>	UCSML and UCSSuite
<a href="#">Vaya W. Tanamai</a>	Biomedical Engineering, Biological Sciences	<a href="#">Professor Bruce J. Tromberg</a>	Determining Trends in Mammary Tumor Vessel Density by Diffuse Optical Spectroscopy
<a href="#">Brad J. Taylor</a>	Information & Computer Science	<a href="#">Professor Falko Kuester</a> , <a href="#">Professor Nader Bagherzadeh</a>	Automatic Texturing of Three-Dimensional Avatars
<a href="#">Michael A. Thompson</a>	Chemistry	<a href="#">Professor Reginald M. Penner</a>	Thermoelectric Properties of Lead Telluride Nanowire Arrays
<a href="#">Samuel G. Thorpe</a>	Psychology, Mathematics	<a href="#">Professor Ramesh Srinivasan</a>	Visual Cortex: An Investigation of the Effects of Delay on Coupled Nonlinear Oscillators.
<a href="#">Phu N. Tran</a>	Biological Sciences	<a href="#">Professor Guey Chuen Perng</a>	Mapping the Core Promoter Element of UOL Gene Encoded by Herpes Simplex Virus
<a href="#">Marie M. Tran</a>	Biological Sciences, Psychology	<a href="#">Professor Ronald A. Sherman</a>	Maggots as Fomites: Carriers of Infectious Diseases
<a href="#">Linh Truong</a>	Biological Sciences	<a href="#">Professor Ranjan Gupta</a>	Effects of Mechanical Stress on Schwann Cell MAG and MBP

			Proteem Expression
<a href="#">Nicholas J. Urrea</a>	Information & Computer Science	<a href="#">Dr. Tadashi Nakano</a> , <a href="#">Professor Tatsuya Suda</a>	Adaptive Replica Placement for Distributed Network Services
<a href="#">Edgar J. Vargas</a>	Electrical Engineering	<a href="#">Professor Derek Dunn-Rankin</a>	UCISAT Power Subsystem
<a href="#">Martin O. Vega</a>	Comparative Literature	<a href="#">Professor Jane O. Newman</a>	The Development of a Radical Postcolonialist Theory from Traditionalist Beginnings
<a href="#">Jonathan L. Velasquez</a>	Biological Sciences, Philosophy	<a href="#">Professor Steven Lipkin</a>	High-Throughput Analysis of MLH1, MSH2 AND MSH6 CSNPS
<a href="#">Dale A. Ventura</a>	Sociology	<a href="#">Professor Francesca M. Cancian</a> , <a href="#">Dr. Kassia R. Wosick-Correa</a>	The Pervasiveness of Sexuality in Post-Identity Culture
<a href="#">Cindy H. Wang</a>	Biological Sciences, Chinese	<a href="#">Professor Adriana D. Briscoe</a>	Evolution of the Period and EF1-alpha Genes in Lepidoptera
<a href="#">Ellen R. Warkentine</a>	Drama, Film Studies	<a href="#">Professor Antoinette LaFarge</a>	Productive Play in a Stage-Screen Space: The Human-Computer Interface Experience
<a href="#">Christopher R. Welch</a>	Information & Computer Science	<a href="#">Professor Gopi Meenakshisundaram</a>	Vision Based Surface Reconstruction of Static Scenes
<a href="#">Nicholas R. Whitley</a>	Biological Sciences	<a href="#">Professor Victoria N. Camerini</a>	Defining Pathways of T-Cell Development in Cryptosporidium Aggregates in the Small Intestine of the Laboratory Mouse, Mus Musculus
<a href="#">Nimalee D. Wickremasinghe</a>	Social Ecology	<a href="#">Professor Thomas J. Carew</a>	The Role of Cerebral Ganglion Modulatory Neurons in Learning and Memory in Aplysia
<a href="#">Ksatria G. Williams</a>	Information & Computer Science	<a href="#">Professor Bill Tomlinson</a>	The Protohuman Project

<a href="#">Khin M. Win</a>	Biological Sciences	<a href="#">Professor Jorge A. Busciglio</a>	Characterization of Tau Isoforms Expressed in Cultured Human Cortical Neurons on Poly-L-lysine and Laminin Substrates
<a href="#">David M. Woods</a>	English	<a href="#">Professor James L. McMichael</a>	Father Forgive: A Novel
<a href="#">Ryan J. Wright</a>	Biological Sciences	<a href="#">Professor Brian JF. Wong</a>	Determination of Elastic Modulus in Rabbit Nasal Septal Cartilage Following Nd:YAG (? =1.32mm) Laser Irradiation
<a href="#">Man Lok Yau</a>	Information & Computer Science	<a href="#">Professor Bill Tomlinson</a>	Protohuman Project
<a href="#">Zamaneh E. Zamanian</a>	Biological Sciences	<a href="#">Professor Bruce Blumberg</a>	Retinoid X Receptor Activation and Endocrine Disruption by Environmental Organotins

Number of Proposals Submitted = 138  
 Number of Fellowships Awarded = 106  
 Number of Honorary Fellowships = 8

Total Funds Requested = \$411,000  
 Total Funds Awarded = \$231,200

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For more information, please contact:

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