2013 SDSU SRS Award Winners

**Scholars without Borders/International Research**

Elysha M. Decker, MBA General, Mentor: Donald Sciglimpaglia  
*PriceSmart Familiares y Amigos Program Feasibility Study*

Ke Xu, Doctoral, Educational Leadership, Mentor: Cheryl James-Ward  
*A Comparison Study of the Professional Learning Communities in the United States and China*

**Diversity Awards**

Joshua A. Stutz, Undergraduate, Philosophy, Mentor: Steven Barbone  
*Marriage’s Institutional Gender Bias and The Same-Sex Marriage Debate*

Karalani Cross, Undergraduate, Psychology, Mentor: Claire Murphy  
*Impulsiveness as a predictor of obesity in older adults*

Sarah A. Kirtland, Masters, Kinesiology: Rehabilitation Science, Mentor: Daniel Goble  
*Impaired balance control in Autism Spectrum Disorders is correlated with neuropsychological measures of symptom severity*

Kayli Dalton, Masters, Exercise Physiology and Nutritional Sciences, Mentor: Susan Levy  
*Testing the Role of Physical Acceptance in the Exercise and Self-Esteem Model in College Students*

**Compact Scholar Research Award**

Annalia Valdivia, Undergraduate, Psychology, Mentor: Linda Gallo  
*Weight Cycling and its Psychological Effect on Mexican American women*

**Library Awards**

Kayli Dalton, Masters, Exercise Physiology and Nutritional Sciences, Mentor: Susan Levy  
*Testing the Role of Physical Acceptance in the Exercise and Self-Esteem Model in College Students*

Laura K. Frutos, Undergraduate, Psychology, Mentor: Ann Lam  
*Is X-ray Florescence Imaging, a Valid Measure in Examining Differences in the Metal Concentrations of Postmortem and Resected Brain Tissue?*

Kristi Hendrickson, Doctoral, Speech, Language, and Hearing Sciences,  
Mentor: Margaret Friend  
"You can look but don't touch:" The real-time dynamics between infant visual and haptic behavior

Alyssa R. Deline, Undergraduate, Chemistry, Mentor: Tyler Radnieck  
*Synthesis and Toxicity of Silver Nanoparticles with Different Capping Agents and Shapes*  
Co-presenters: Cameron Kostigen Mumper, Tanner Houston, Kelsey Beyer
Charles Wei-hsun Fu Foundation Award for Philosophy

Joshua A. Stutz, Undergraduate, Philosophy, Mentor: Steven Barbone
Marriage’s Institutional Gender Bias and The Same-Sex Marriage Debate

Undergraduate Excellence Poster Awards

Laura McIntyre, Microbiology, Mentor: Ralph Feuer
Previous Coxsackievirus Infection Restricted T cell Migration into the Central Nervous System and Reduced Signs of Disease in a Mouse Model of Multiple Sclerosis

Kristen E. Frosio, Psychology, Mentor: Nader Amir
The effects of anxiety and cognitive load on attention control

Intisar Khamo, Biology, Mentor: Roland Wolkowicz
An Assay for the Discovery of West Nile Virus Protease Inhibitors
Co-Presenters: Jason Machula

Marley Hilleger, Microbiology, Mentor: Stanley Maloy
Presence of the Phage-Encoded Antibiotic Resistant Gene, blaCTX-M1, in Wastewater, River, and Estuarine Samples Collected near the US-Mexico Border
Co-Presenters: Michael Galindo

Jeremy S. Mitchell, Physics, Mentor: Paul Paolini
Unpaced Neonatal Cardiocyte Dynamics in Culture

Karalani Cross, Undergraduate, Psychology, Mentor: Claire Murphy
Impulsiveness as a predictor of obesity in older adults

Victoria D Nguyen, Chemistry, Mentor: Robert Metzger
Computational Docking Studies of Tetrahydroneopterin and Pteridines to Phenylalanine Hydroxylase

Undergraduate Excellence Oral Awards

Marina Watanabe, Biology: CMB, Mentor: Sandy Bernstein
The Role of HP1α within Heterochromatin and its Effect on Human Pluripotent Stem Cells

Genaro Hernandez, Biology, Mentor: Roberta Gottlieb
Statins Promote Cardioprotection via Induction of Mitochondrial Autophagy

Rita Auro, Biology, Mentor: Forest Rohwer
Bacteriophage Adherence to Mucosal Surfaces: Protecting the Underlying Epithelium from Cell Death

Samantha G. Mitsven, Psychology, Mentor: Margaret Friend
The Eye and the Hand: Visual-Haptic Interaction in Word Comprehension

Jennifer E. Schefski, Biology, Mentor: Kevin Hovel
Impacts of an invasive mussel on sea floor biogeochemistry and community composition in a Southern California estuary
Co-Presenter: Max C.N. Castorani
Dean’s Awards

College of Arts and Letters:
Beth Bollinger, Masters, Communication, Mentor: Brian Spitzberg
*The Effects of a Supporter’s Retelling of a Rape Victim’s Disclosure*

Caitlin B. Wion, Masters, History, Mentor: Edward Blum
*Nothing is impossible to a determined woman. The Unexplored Louisa May Alcott*

College of Business:
Steven Shyne, Undergraduate, Marketing, Mentor: Paula Meter
*Exploring The Effectiveness Of Advertising Disclaimers On Digitally Enhanced Images*

Elysha M. Decker, Masters, MBA General, Mentor: Donald Sciglimpaglia
*PriceSmart Familiares y Amigos Program Feasibility Study*

College of Education:
Amanda L. Opperman, Doctoral, Education, Mentor: Valerie Pang
*Applying Social Orientation Theory in the Communicative ESOL Classroom*

Ke Xu, Doctoral, Educational Leadership, Mentor: Cheryl James-Ward
*A Comparison Study of the Professional Learning Communities in the United States and China*

College of Engineering:
Pablo Fernandez del Campo, Undergraduate, Mechanical Engineering, Mentor: Fletcher Miller
*Fluid Flow and Radiative Heat Transfer Modeling of a Small Particle Solar Receiver*

Xiaofei Chen, Doctoral, Electrical Engineering, Mentor: Fred Harris
*An Efficient Symbol Timing Recovery Method Based On Polyphase Perfect Reconstruction Channelizers*

College of Health and Human Services:
Kali L. Markle, Undergraduate, Speech Language Pathology, Mentor: Vera Gutierrez-Ciellen
*Descriptions of Trajectories in Space Using English Verbs of Motion: A Study of English-Spanish Bilingual Children with Specific Language Impairment*

Sandeep K. Bhaurla, Masters, Epidemiology, Mentor: Suzanne Lindsay
*Correlates of Hepatitis C Antibody Testing among Injection Drug Users in San Diego, CA*

College of Professional Studies and Fine Arts:
Olivia A. Quintanilla, Undergraduate, Urban Studies, Mentor: Vinod Sasidharan
*DREAMing Together: Partnership Strategies for Community Empowerment and Integration among Undocumented Students*

Breena L. Loraine, Masters, Musicology, Mentor: Eric Smigel
*A British “National Experience”: William Alwyn’s Music for The Crown of the Year During the Second World War*
**College of Sciences:**
Josh Espinoza, Undergraduate, Biology: CMB, Mentor: Elizabeth Dinsdale
*Nonsense Mediated Decay and Pluripotency*

Alterra E. Sanchez, Undergraduate, Biology, Mentor: Kevin Hovel
*Eelgrass Habitat Loss And Biodiversity: Structural Complexity Modifies Effects Of Disturbance On Epifauna*

**Imperial Valley College:**
Tara G. Perkins, Undergraduate, Psychology, Mentor: Elizabeth Cordero
*Latino Undergraduates, Locus of Control and Mental Health*
Co-Presenters: Jamie M. Harguess, Elizabeth R. Sanchez

**Provost Awards**
Carlo G. Quintanilla, Undergraduate, Psychology, Mentor: Susan Brasser
*Inactivation of the interoceptive insula suppresses chemosensory cue reactivity to ethanol following chronic ethanol exposure*
Co-Presenters: B. Feretic; N. Castro; E. Driver; J. Dudley; J. Godfrey

Rashmi D. Risbud, Masters, Psychology, Mentor: Jennifer Thomas
*Choline As A Treatment For Fetal Alcohol Spectrum Disorders: Mechanisms Of Choline’s Actions*

Steven D. Quistad, Doctoral, Cell and Molecular Biology, Mentor: Forest Rohwer
*Identification of a novel coral virus with global distribution*

Megan M. Monsanto, Masters, Biology, Mentor: Mark Sussman
*Recreating the Cardiac Stem Cell Niche to Improve Regeneration*

Alyssa R. Deline, Undergraduate, Chemistry, Mentor: Tyler Radnieck
*Synthesis and Toxicity of Silver Nanoparticles with Different Capping Agents and Shapes*
Co-presenters: Cameron Kostigen Mumper, Tanner Houston, Kelsey Beyer

Lucia Kearney, Undergraduate, Speech, Language and Hearing Sciences, Mentor: Ignatius Nip
*A Kinematic Analysis of Chewing in Children with Cerebral Palsy*

Spencer P. Swarts, Doctoral, Chemistry and Biochemistry, Mentor: Peter van der Geer
*Signaling protein Sts-1 contains a novel phospho-tyrosine binding domain and down-regulates NGF receptor-mediated tyrosine phosphorylation*

Sebnem Uzuner, Undergraduate, Psychology, Mentor: Henrike K. Blumenfeld
*Effects of Cultural Knowledge on Parallel Language Activation in German-English Bilinguals*
Co-Presenters: Marcel Giezen

Adriana Sara Trujillo, Masters, Biology, Mentor: Girish Melkani
*Exploration and suppression of tau-induced cardiac and skeletal muscle defects in a Drosophila model*

Casey Cruz, Undergraduate, Biology, Mentor: Anca Segall
*Validating artificial neural networks that predict bacteriophage holin proteins*
Co-Presenters: Duane Palmer
Yvonne Parsons, Undergraduate, Recreation and Tourism Management, Mentor: Vinod Sasidharan
*Incorporating Children’s Attitudes and Participation Preferences Within Design Considerations for Successful School Garden Programs*

Sean Young, Undergraduate, Biology, Mentor: Anca Segal
*Examining double-strand break repair in vivo*
Co-Presenters: Daryl Howden

**President's Awards**

Katy A. Patras, Doctoral, Biology, Mentor: Kelly Doran
*A novel C5a-derived immunobiotic peptide promotes pathogen clearance in vivo through targeted bacterial killing*

Brandon J. Kim, Doctoral, Biology, Mentor: Kelly Doran
*Regulation of Tight Junction Complexes in Brain Endothelium by the Meningeal Pathogen, Group B Streptococcus*

Jill K. Gorrie, Masters, Musical Theatre, Mentor: Rick Simas
*Evolution of the Role of Dance Captain in Musical Theatre Productions*

Laura K. Frutos, Undergraduate, Psychology, Mentor: Ann Lam
*Is X-ray Florescence Imaging, a Valid Measure in Examining Differences in the Metal Concentrations of Postmortem and Resected Brain Tissue?*

Kayli Dalton, Masters, Exercise Physiology and Nutritional Sciences Mentor: Susan Levy
*Testing the Role of Physical Acceptance in the Exercise and Self-Esteem Model in College Students*

Sarah A. Kirtland, Masters, Kinesiology: Rehabilitation Science, Mentor: Daniel Goble
*Impaired balance control in Autism Spectrum Disorders is correlated with neuropsychological measures of symptom severity*

Courtney Harmon, Masters, Art, Graphic Design, Mentor: Arzu Ozkal
*Toying with Stereotypes: Designing Alternatives to Polarized Representations of Gender Roles in Toys*

Trevor A. Gregg, Undergraduate, Astronomy, Mentor: William Welsh
*The syzygy of KIC 4150611*

Kristi Hendrickson, Doctoral, Speech, Language, and Hearing Sciences, Mentor: Margaret Friend
*"You can look but don't touch:” The real-time dynamics between infant visual and haptic behavior*

Joshua A. Stutz, Undergraduate, Philosophy, Mentor: Steven Barbone
*Marriage’s Institutional Gender Bias and The Same-Sex Marriage Debate*