Student Research Symposium Awardees 2014

Congratulations to all!

1st Place Overall Oral Presentation at the Annual Student Symposium on Research, Scholarship & Creative Activity

PKP Travel Award:
Carolyn Kan
B.S. Biochemistry
Synthesis and Characterization of Kinase Inhibitors Encapsulated in mPEG-PLGA NPs for Anticancer Drug Delivery
Faculty Mentor: Yong Ba

CSULA State Delegates for the 28th CSU Student Research Competition:

Behavioral and Social Sciences I
Sarah Conklin
M.A. Counseling (ABA Option)
Parents as Behavior Change Agents
Faculty Mentor: Michelle Wallace

Darin Brown
M.A. Psychology
Multimodal Emotion Enhanced Memory: Congruent vs. Incongruent Cross Processing Effect on Recall
Faculty Mentor: Joel Ellwanger

Behavioral and Social Sciences II
Justin D'Agostino
M.A. Anthropology
Symbolizing Colors and Directions to Hidden Food Items
Faculty Mentor: James Brady

Biological Sciences
Chance Anderson
M.S. Biology
Liposomes Formulated With Host Derived Lipids Inhibit Biofilm Formation of Pseudomonas Aeruginosa and Induce Bacterial Aggregation
Faculty Mentor: Edith Porter

John Berriman
M.S. Biology
Describing New Species and Quantifying Diversity in the Sacoglossan Genus Oxynoe, a Proposed Biocontrol Vector, Using Molecular and Morphological Data
Faculty Mentor: Patrick Krug

Chemical Sciences
Carolyn Kan
B.S. Biochemistry
Synthesis and Characterization of Kinase Inhibitors Encapsulated in mPEG-PLGA NPs for Anticancer Drug Delivery
Faculty Mentor: Yong Ba

Engineering and Computer Science
Daniel Collister
B.S. Mathematics (Applied Option)
The Coloring of the Number Line and the Lonely Runner
Faculty Mentor: Daphne Liu

Meline Baghdasarian
M.S. Mechanical Engineering
Mixing in Thermally Stratified Nonlinear Spin-Up with Sources and Sinks
Faculty Mentor: Arturo Pacheco-Vega

Jeanette Cobian-Iñiguez
M.S. Mechanical Engineering
Parametric Analysis of a Compact Fin and Tube Heat Exchanger
Faculty Mentor: Arturo Pacheco-Vega

Humanities and Education
Jimmy Solis
M.A. History
Establishing the Nation’s First Chicano Studies Department at CSULA
Faculty Mentors: Francisco Balderrama, Enrique Ochoa, Carol Srole, Michael Soldatenko and Mark Wild

Alternates for the State Delegates Competition:
Patricia Alonzo
M.A. Anthropology (Archaeology Option)
Ancient West Mexico: An Archaeological Analysis on Burial Offerings
Faculty Mentor: James Brady

Cynthia Alarcon, Abel Garcia, Matthew Mora and Louis Lopez
B.A. Psychology
Cognitive and Socioemotional Costs and Benefits of Virtual Labs in Science Education
Faculty Mentor: Ji Y. Son
The following students received an outstanding presentation award at the 22nd Annual Student Symposium on Research, Scholarship and Creative Activities.

**ORAL PRESENTATIONS**

**Group 1 – Behavioral and Social Sciences I**

Cynthia Alarcon, Abel Garcia, Matthew Mora and Louis Lopez  
B.A. Psychology  
*Cognitive and Socioemotional Costs and Benefits of Virtual Labs in Science Education*  
Faculty Mentor: Ji Y. Son

Sarah Conklin  
M.A. Counseling (ABA Option)  
*Parents as Behavior Change Agents*  
Faculty Mentor: Michelle Wallace

Darin Brown  
M.A. Psychology  
*Multimodal Emotion Enhanced Memory: Congruent vs. Incongruent Cross Processing Effect on Recall*  
Faculty Mentor: Joel Ellwanger

Maisha Lassiter  
B.A. Psychology  
*Personality Traits, Stress, and Well-Being in College Students*  
Faculty Mentor: Gaithri Fernando

**Group 2 – Behavioral and Social Sciences II**

Justin D’Agostino  
M.A. Anthropology  
*Symbolizing Colors and Directions to Hidden Food Items*  
Faculty Mentor: James Brady

Toni Gonzalez and Cristina Verdugo  
M.A. Anthropology  
*“In a Stygian Cave Forlorn”: Recent Discoveries from Chultuns at Ka’Kabish, Belize*  
Faculty Mentor: James Brady

**Group 3 – Biological Sciences**

Lissette Estala  
B.S. Biochemistry
Paper Microfluidic-Based Enzyme Catalyzed Double Microreactor  
Faculty Mentor: Frank Gomez

Chance Anderson  
M.S. Biology  
*Liposomes Formulated With Host Derived Lipids Inhibit Biofilm Formation of Pseudomonas Aeruginosa and Induce Bacterial Aggregation*  
Faculty Mentor: Edith Porter

John Berriman  
M.S. Biology  
*Describing New Species and Quantifying Diversity in the Sacoglossan Genus Oxynoe, a Proposed Biocontrol Vector, Using Molecular and Morphological Data*  
Faculty Mentor: Patrick Krug

Group 4 – Chemical Sciences

Carolyn Kan  
B.S. Biochemistry  
*Synthesis and Characterization of Kinase Inhibitors Encapsulated in mPEG-PLGA NPs for Anticancer Drug Delivery*  
Faculty Mentor: Yong Ba

Mary Arrastia  
B.S. Chemistry  
*Development of Paper-Based Microfluidic Enzyme-Linked Immunosorbent Assays (ELISAs)*  
Faculty Mentor: Frank Gomez

Julio Avila  
M.S. Chemistry  
*Design and Development of a Passive Direct Methanol Fuel Cell*  
Faculty Mentor: Frank Gomez

Group 5 – Engineering and Computer Science

Daniel Collister  
B.S. Mathematics (Applied Option)  
*The Coloring of the Number Line and the Lonely Runner*  
Faculty Mentor: Daphne Liu

Meline Baghdasarian  
M.S. Mechanical Engineering  
*Mixing in Thermally Stratified Nonlinear Spin-Up with Sources and Sinks*  
Faculty Mentor: Arturo Pacheco-Vega

Jeanette Cobian-Iñiguez  
M.S. Mechanical Engineering  
*Parametric Analysis of a Compact Fin and Tube Heat Exchanger*  
Faculty Mentor: Arturo Pacheco-Vega
Ethian Ting and Luis Orozco  
B.S. Mechanical Engineering  
*Efficacy of Custom-Design and Manufacture of Affordable and Fully Functioning Orthoses*  
Faculty Mentor: Samuel Landsberger

**Group 6 – Humanities and Education**

Dickson Perey  
Ed.D. Educational Leadership  
*Using Photovoice to Empower School Stakeholders to Enhance Public School Climate*  
Faculty Mentor: Sharon Ulanoff

Susan Dibaei, Andrea Smith and Rachel Crowe  
M.B.A. Marketing  
*Your Time is Now*  
Faculty Mentor: Tyrone Jackson and Steve McGuire

**Jimmy Solis**  
M.A. History  
*Establishing the Nation’s First Chicano Studies Department at CSULA*  
Faculty Mentors: Francisco Balderrama, Enrique Ochoa, Carol Srole, Michael Soldatenko and Mark Wild

**Poster Presentations**

**Behavioral and Social Sciences I**

Timothy J. Bussell  
MSW Social Work  
*The Effect of Parental Incarceration on High School Outcomes*  
Faculty Mentor: Anh-Luu Huynh-Hohnbaum

Belen Oceguera and Krizeyda Portal  
M.A. Psychology  
*I Think I Can: Degree Persistence among First Generation College Students*  
Faculty Mentor: Gaithri Fernando

**Behavioral and Social Sciences II**

Guadalupe Gutierrez and Sherry Wang  
B.A. Psychology  
*Mexican American Women’s Perspectives on a Culturally Adapted Cognitive-Behavioral Therapy Guided Self-Help Program for Binge Eating Disorders*  
Faculty Mentor: Munyi Shea

**Biological Sciences**

Matthew Juarez  
B.S. Biology  
*Identifying the Kinase that Phosphorylates Mad-Linker Domain During BMP Signaling.*  
Faculty Mentor: Edward Eivers
Eileen Gonzalez  
B.S. Microbiology  
_Mitochondrial Dynamics in the Type 2 Diabetic Heart_  
Faculty Mentor: Katrina Yamazaki

**Chemical Sciences**

Alejandra Rios  
B.S. Biochemistry  
_Probing the Binding Side of Antifreeze Proteins to Trehalose Crystals_  
Faculty Mentor: Xin Wen

Abegail Tadle  
M.S. Chemistry  
_Sequential [4+2] Diels Alder Reaction of 3,4',5 Trimethoxy-Trans-Stilbene with Singlet Oxygen_  
Faculty Mentor: Matthias Selke

**Education**

Jessica Angulo and Nancy Castillo  
B.A. Psychology  
_The Child Goes “Moo”: Do Children Who Use Sound-Effects Have Better Narrative Skills?_  
Faculty Mentor: Kaveri Subrahmanyam

**Engineering and Computer Science**

Omid Niayesh  
M.S. Mechanical Engineering  
_Pest Oxidation of Molybdenum Disilicide_  
Faculty Mentor: Adel Sharif

**Health, Nutrition, and Clinical Sciences**

Samantha Ton, Whitney Olson, Christopher Rangel and Monique Wilcots  
B.S. Food Science and Technology, M.S. Nutritional Science  
_The Efficacy of Different Household Washing Methods on the Microbial Load and Color of Selected Vegetables and Fruits_  
Faculty Mentor: Sunil Mangalassary

Jesse Garcia Castillo, Yvette Avila, Maureen De Guzman and Rocio Delgado,  
B.S. Exercise Science, B.S. Nursing, B.A. Psychology, B.S. Microbiology  
_What is a Serving? A Look at Portion Sizes and Nutrient Deficiency_  
Faculty Mentor: Emily Acevedo