Symposium

on Student Research, Creative Activities, & Innovation

February 24th, 2017
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<td>3:00–5:10 pm</td>
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Welcome, Remarks, & Finalists
Announced 6:00 pm

Dr. Kamel Haddad
Vice Provost of Planning and Academic Affairs

Dr. Wesley P. Schultz
Dean of Graduate Studies and Research
Session 1:
Behavioral and Social Sciences - Undergraduate
Markstein Hall 101

3:00 - 3:20
Micah Savin
Does disease progression potentiate the effects of polytobacco use among people living with HIV/AIDS?

3:20 - 3:40
Victoria Olivas
Reactions to Snake-Associated Odors by Domestic Dogs

3:40 - 4:00
Brayden Cortes
Behavioral Effects of Methamphetamine and Relevance to Addiction

4:00 - 4:20
Selina Gonzalez
The role of cultural stressors in pregnant Mexican-American women in the programming of salivary C-reactive protein (CRP) levels in newborns

4:20 - 4:30 Break

4:30 - 4:50
Andrea Flores
Mindfulness Induction After Encoding Decreases False Recognition

4:50 - 5:10
Alondra Calva
Affirming the Self can Increase Math Identity Among Women

5:10 - 6:30
Please join us for the Awards Reception.
Session 2:
Biology and Biochemistry - Undergraduate
Markstein Hall 102

3:00 - 3:20
Kevin Tenerelli
Understanding Multi-allele Heterozygous Variant Contributions to Dilated Cardiomyopathy

3:20 - 3:40
Maylin Caldwell
Characterization of the Internal NAD(P)H Dehydrogenases in Arabidopsis thaliana

3:40 - 4:00
Alani Diamond
Occlusion of the Left Aorta in Alligator Mississippensis Produces Expeditive Onset of Ventricular Hypertrophy

4:00 - 4:20
Isamar Aranda
Terminal Region of CsgE

4:20 - 4:30 Break

4:30 - 4:50
Alexia Gee
Sperm Competition in Black Bears

4:50 - 5:10
Nadia Miranda
Restoration of T cells in the Epithelial Layer of the Small Intestine in Obese Mice

5:10 - 6:30
Please join us for the Awards Reception.
Session 3:
Biology and Biochemistry - Undergraduate
Markstein Hall 105

3:00 - 3:20
James Oakley
Gold(I)-Catalyzed Friedel–Crafts-Like Arylation of Benzylic Alcohols to Afford 1,1-Diarylmethanes

3:20 - 3:40
Karen Guerrero
Probing Interactions between the Curli Accessory Protein CsgF/CsgE and Rat Islet Amyloid Polypeptide

3:40 - 4:00
Miguel Angel Rosas
Identifying glutaredoxin protein interaction partners using bimolecular fluorescence complementation (BiFC)

4:00 - 4:20
Sharon Patray
Identifying the Present and Function of a New Protein in Ranavirus

4:20 - 4:30 Break

4:30 - 4:50
Oscar Yorba
Towards developing a Transformation system by electroporation using Emiliana huxleyi protoplast

4:50 - 5:10
Desirae Mellor
Examination of Antibacterial Potential of Novel Compounds Using a Fluorescent Oxygen Sensor

5:10 - 6:30
Please join us for the Awards Reception.
Session 4:
Interdisciplinary - Undergraduate
Markstein Hall 107

3:00 - 3:20
Samantha Landgrave Cardenas
CRSP Regulates Stomatal Development in Response to High and Low CO2

3:20 - 3:40
Tiersa Cosaert
Curios of the Future (Weather on Steroids: The Art of Climate Change Science).

3:40 - 4:00
Jacob Bowen
The Need for Educating Energy Consumers

4:00 - 4:20
Francisco Fernandez
Defining the expression domains of the Arabidopsis glutaredoxin genes At-GRXS5, AtGRXS6, and AtGRXS8.

4:20 - 4:30 Break

4:30 - 4:50
Kadri Williams
Seeking Harmony

4:50 - 5:10
Crystal Camarda
The Intricate Dance of Customer Service Interactions

5:10 - 6:30
Please join us for the Awards Reception.
Session 5: Interdisciplinary - Graduate
Markstein Hall 203

3:00 - 3:20
Veronika Espinoza
Differences between Adolescents and Adults in the Behavioral Response To Amphetamines

3:20 - 3:40
Simonne Call
Determining the Credibility of an Adventure-based Learning Outcome Model

3:40 - 4:00
Jacob Atkins, Ramona Prado-Olmos, Rebecca Krogstad
Pacific Islander Community Health Pilot Study

4:00 - 4:20
Petrona Gregorio
Effects of Social Norms and Self-Affirmation on Changes in Sugar-Sweetened Beverage Consumption Intentions and Behaviors

4:20 - 4:30 Break

4:30 - 4:50
Mark Jason Noble
Gamer-centric Analysis for Interactive Media: A Methodology for Video Game Review and Critical Engagement

4:50 - 5:10
Talal Zafar
Repeated Administration of Ketamine and Phencyclidine in Adolescence has Effects that Last into Adulthood

5:10 - 6:30
Please join us for the Awards Reception.
3:00 - 3:20
Jesus Perez
Development of the Remote Planeterrella Experiment

3:20 - 3:40
Josefa Gregorio
Magnetic Spin Reorientation in Holmium-based Orthoferrites

3:40 - 4:00
Veronica Gutierrez
Sensitization to the Rewarding Effects of Methamphetamine in Rats

4:00 - 4:20
Kassandra Sanchez
Effects of knock out AtGRXS6, AtGRXC11 and the AtGRXS3/4/5/7/8 cluster on Chromosome 4 in Arabidopsis Thaliana primary root growth

4:20 - 4:30 Break

4:30 - 4:50
Karina Guadalupe
Stability of Hsp60 from Helicobacter pylori: Effect of GTP Binding

4:50 - 5:10
Silvia Lopez, George Argoud, Kyle Lunneberg
GIS Bio-Survey Tool

5:10 - 6:30
Please join us for the Awards Reception.
Session 7:
Psychological Sciences - Undergraduate
Markstein Hall 209

3:00 - 3:20
Kristyana Kern, Tyan Carrico, Stephanie Price
The Value of Meaning: Is Higher Ranking of Religion and Spirituality Associated With Higher Meaning in Life and Lower Levels of Depression and Emptiness?

3:20 - 3:40
Caitline Castillo
Perceptions of Socioeconomic Mobility and Risk-Taking Behavior

3:40 - 4:00
Raquel Good
Cultural Stress and Trauma In Pregnant Women of Mexican Descent

3:00 - 4:20
Stephanie Price
Refinement of a Self-Report Scale for Measuring Subjective Emptiness

4:00 - 4:20
Break

4:20 - 4:30
Gabriel Holguin
Academic Achievement and Depressive-like Symptoms among Adolescent Caregivers for Grandparents with and without Dementia

4:30 - 4:50
Joselyn Perez
Ethnic and Gender Differences in Alcohol Use and Sibling Care

4:50 - 5:10
Please join us for the Awards Reception.
Session 8:
Psychological Sciences - Graduate
Markstein Hall 214

3:00 - 3:20
Kathryn Layton
Day-to-Day Associations Between Anxiety and Impairment in Preschool-Aged Children

3:20 - 3:40
Abraham Escobedo
Dissociative Drugs Suppress Methamphetamine-Induced Reward as Assessed by Ultrasonic Vocalizations in Rats

3:40 - 4:00
Arthur Castenada
Stress and Maternal Behavior: The Effects of Hypocretin-1 Antagonism During the Postpartum Period

4:00 - 4:20
Ruby Cuellar
Self-Esteem Buffers the Negative Effects of Sleep Quantity on Depressive Symptoms Among High School Students

4:20 - 4:30 Break

4:30 - 4:50
Jennifer Lobos
Acculturative Stress and Perceived Discrimination: The Potential Programming of the Hypothalamic-Pituitary-Adrenal Axis in Infants of Mexican Descent

4:50 - 5:10
Eva Urbina
Discrimination Stress as a Predictor of Hair Cortisol in Mexican American Pregnant Women and the Role of Cultural Values

5:10 - 6:30
Please join us for the Awards Reception.
About the CSU Student Research Competition

Each spring California State University hosts the CSU Student Research Competition at one of its 23 campuses. The purpose of the event is to promote excellence in undergraduate and graduate scholarly research and creative activity by recognizing outstanding student accomplishments. Each campus holds its own competition to select a group of ten student research presentations to send to the statewide competition. Finalists in the campus competition receive cash awards and travel resources to compete at the statewide competition in late April/early May.

This year’s Symposium finalists will travel to the CSU statewide Student Research Competition at California Polytechnic State University, San Luis Obispo on April 28th and 29th. Finalists in the CSU Student Research Competition receive certificates of recognition and cash awards.

Last Year’s CSUSM Finalists

Congratulations to 2016 Statewide winners Ivan Hernandez, Psychology undergraduate, for earning first place and Aaron Porter, Computer Science undergraduate, for earning runner up in his respective session.

For more information on different research opportunities and travel resources visit: www.csusm.edu/gradstudies
Acknowledgements

We would like to acknowledge and thank all the participants, judges, faculty sponsors, community members, and room moderators for their participation. Below is a listing of all the academic programs that participated today:

Anthropology Chemistry
& Biochemistry Biological Sciences Biotechnology
Communication
Computer Science
Economics
Kinesiology

Literature & Writing
Office for Training, Research, & Education in the Sciences
Physics
Psychology
Public Health
Visual and Performing Arts

Thank you to our Prep Session presenter who helped prepare our students for today:

Terri Metzger
CSUSM Communication faculty