Symposium
on Student Research, Creative Activities, & Innovation
February 28th, 2014

California State University
SAN MARCOS
Agenda
February 28, 2014

Session 1 Behavioral and Social Sciences--Undergraduate
1:30-4:20 pm, Markstein Hall 101

Session 2 Behavioral and Social Sciences--Undergraduate
1:30-3:40 pm, Markstein Hall 102

Session 3 Behavioral and Social Sciences--Graduate
1:30-4:20 pm, Markstein Hall 103

Session 4 Science, Technology, Engineering, & Math--Undergraduate
1:30-4:00 pm, Markstein Hall 105

Session 5 Science, Technology, Engineering, & Math
1:30-4:20 pm, Markstein Hall 107

Session 6 Health, Nutrition, & Clinical Sciences
1:30-3:40 pm, Markstein Hall 208

Session 7 Interdisciplinary
1:30-2:50 pm, Markstein Hall 211

Reception The Dome
4:30 - 5:30 pm
Light Refreshments

Welcome, Remarks, & Finalists Announced
5:00 pm
Dr. Gerardo M. Gonzalez
Dean of Graduate Studies
Associate Vice President of Research
1:30 - 1:50  
**Kristen Grassi**  
*The Importance of Communication For Spreading the Word About Non-Profit Organization*

1:50 - 2:10  
**Christine Lee**  
*Communicating Learner Empowerment in a Montessori Classroom*

2:10 - 2:30  
**Martika Ramirez**  
*Communication Interventions for Students with Autism*

2:30 - 2:50  
**Ron Tranbarger**  
*Public Speaking; Peer to Peer Revelations*

2:50 - 3:00  
**Break**

3:00 - 3:20  
**Ricardo Vasquez**  
"I Just Need Someone to Talk to": The Importance of Conversations for At-Risk Kids

3:20 - 3:40  
**Elizabeth Tarnof**  
*Communicating and Creating Awareness about Cystic Fibrosis*

3:40 - 4:00  
**Marcela Martinez & Guadalupe N. Chim**  
*Maternal Mood and Perinatal Complications in the Mexican-American Population*

4:00 - 4:20  
**Meylin Melchor**  
*Acculturative Stress, Maternal Depression, and Altered Salivary Cortisol Levels in Women of Mexican Origin*

4:20 - 5:30  
Please join us in the Dome for the Awards Reception.
1:30 - 1:50
Maria Cole
How early loss of virginity affects maternal mental health

1:50 - 2:10
Lilibeth Flores
Science I Am: Implicit Science Identity Among Minority Students

2:10 - 2:30
Carlos Rosas
Intragroup and Intergroup Discrimination and Mental Health among Latinos

2:30 - 2:50
Perla Sandoval
what you think you know about your home’s energy use and the kind of messages used to demonstrate your energy use: comparing social norms, feedback, and cost messages

2:50 - 3:00
Break

3:00 - 3:20
Annalise Binette
Methylphenidate-Induced Ultrasonic Vocalizations: Is Ritalin More Rewarding to Adolescents than Adults?

3:20 - 3:40
Veronika Espinoza
Reduced Behavioral Response to Methamphetamine in Adolescents When Compared to Adults

4:20 - 5:30
Please join us in the Dome for the Awards Reception.
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<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
<th>Title</th>
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<tbody>
<tr>
<td>1:30 - 1:50</td>
<td>Brittany Daul</td>
<td>Language Difficulties Predict Psychopathology in Preschoolers</td>
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<td>1:50 - 2:10</td>
<td>Rogelio Gonzalez</td>
<td>Teacher Reports as Predictors of Anxiety Diagnostic Status in Preschool Aged Children</td>
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<td>2:10 - 2:30</td>
<td>Adriana Maldonado</td>
<td>Acculturation and Prenatal Social Support in Mexican-American Pregnant Women</td>
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<td>2:30 - 2:50</td>
<td>Megan Rice</td>
<td>Individually Distinct Alarm Calls in Common Marmosets (Callithrix jacchus)</td>
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<td>2:50 - 3:10</td>
<td>Jessica Wombolt</td>
<td>Common marmosets’ (Callithrix jacchus) response to snake characteristics</td>
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<td>3:10 - 3:20</td>
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<td>Break</td>
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<tr>
<td>3:20 - 3:40</td>
<td>Esmeralda Garcia</td>
<td>Acculturation, Mood, and Infant Stress Reactivity in Mexican-American Mother-Infant Pairs</td>
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<td>3:40 - 4:00</td>
<td>Shirlee Moore</td>
<td>Prevalence and Acceptance of Sexting throughout the Romantic Relationship Lifecycle</td>
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<td>4:00-4:20</td>
<td>Kristina Merlino</td>
<td>Adult Attachment and Commitment to Romantic Relationships</td>
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<td>4:20 - 5:30</td>
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Session 4:
Science, Technology, Engineering, & Math
Markstein Hall 105

1:30 - 1:50
Daniel DeRobles
The Development of a Molecular Clock of Ambystoma tigrinum virus (ATV) Evolution

1:50 - 2:10
Trey Gilpin
Identification of Major Histocompatibility Complex (MHC) Class II in Chinese Rhesus Macaques

2:10 - 2:30
Luis Dorantes
Manipulation of Poly (Acrylate) Polymer Inducing Liquid Concentrations to Understand Amorphous Precursor Stages in Calcium Carbonate Film Formation

2:30 - 2:50
Colleen Lopez
The Identification of MHC Alleles in Chinese Rhesus Macaques using Next Generation Sequencing with the MiSeq Platform

2:50 - 3:00
Break

3:00 - 3:20
Cipriano Zuluaga & Sharissa Soriano
Protein Profiling of calcifying and non-calcifying Emiliana huxleyi cultures

3:20 - 3:40
Jose Banuelos
Auxin Biosynthesis in Agrobacterium tumefaciens

3:40 - 4:00
Anneke Bulthuis
Chapters in Novel Antibiotics; Isolating a Natural Product of Marine Bacteria Challenged with Mycobacterium marinum

4:20 - 5:30
Please join us in the Dome for the Awards Reception.
Session 5:  
Science, Technology, Engineering, & Math  
Markstein Hall 107

1:30 - 1:50  
**Aurelio Arango**  
Analysis of differential Gene Expressions in Three Sister Species of Coccolithophores for an Understanding of Biomineralization

1:50 - 2:10  
**Danny Armenta**  

2:10 - 2:30  
**Mark Bartolo**  
Characterization and Comparison of o-Me2TTF-pDNB and o-Me2MTTF-TCNQ

2:30 - 2:50  
**Madison Perry**  
Characterization of Universal Dielectric Response, Negative Capacitance in compressed nanopowders

2:50 - 3:00  
**Break**

3:00 - 3:20  
**Gary Simmons**  
Filament Propagation Measurement in a Commercial Plasma Globe

3:20 - 3:40  
**Amanda Roos**  
Effects of Methamphetamine on Reward-Related USVs in Rats

3:40 - 4:00  
**Michelle Bagood**  
Voluntary wheel running by mice during parasite infection

4:00 - 4:20  
**Andrea Fenner**  
Effects of long-term atmospheric nitrogen deposition on extracellular enzyme activity in semi-arid shrubland soil

4:20 - 5:30  
Please join us in the Dome for the Awards Reception.
1:30 - 1:50
David W. McMillan
Comparison of metabolic and hemodynamic responses to two maximal aerobic exercise tests

1:50 - 2:10
Josephine Gonzales
Impact of Everolimus on Peripheral Blood Alpha Beta and Gamma Delta T Lymphocytes in Renal Transplant Recipients

2:10 - 2:30
German Mendoza
The Role of TNF-alpha Signaling Pathway in Wound Repair Mediated by Gamma Delta T Cells

2:30 - 2:50
Leesa King
Variations in substrate metabolism in recreationally active women on cycle ergometer and treadmill

2:50 - 3:00
Break

3:00 - 3:20
Christa Park
Impact of Obesity on Intraepithelial Lymphocyte Homeostasis

3:20 - 3:40
Kathleen Nelson, Lauren Wright, & Kevin Novak
Mobile Apps Geared Toward Children with Chronic Health Conditions

4:20 - 5:30
Please join us in the Dome for the Awards Reception.
1:30 - 1:50  
John Walsh  
*Blaine, Blaine, The Tattooed Man from the State of Maine*

2:30 - 2:50  
Mario Macias  
*Women of color and the Double Shift*

1:50 - 2:10  
Zane Cooper  
*The Chinese Cowboy*

2:10 - 2:30  
Dorris Morgan  
*Anime Conventions and Global Exchange*

4:20 - 5:30  
Please join us in the Dome 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 finalists will travel to the statewide competition at CSU East Bay on May 2nd and 3rd. Finalists in the CSU Student Research Competition receive certificates of recognition and cash awards.

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

2013 CSUSM Finalists
We would also like to acknowledge and thank all the participants, judges, faculty sponsors, and room moderators for their participation. Below is a listing of all the academic programs that participated today:

Chemistry & Biochemistry  
Biological Sciences  
Biotechnology  
Communication  
Computer Science  
Economics  
History  
Human Development

Kinesiology  
Office for Training, Research, & Education in the Sciences  
Physics  
Psychology  
Sociology  
Spanish