Symposium on Student Research, Creative Activities, & Innovation

March 1, 2013
Agenda
March 1, 2013

Session 1  Behavioral and Social Sciences--Graduate
1:30-4:30 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--Undergraduate
1:30-3:40 pm, Markstein Hall 103

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

Session 5  Science, Technology, Engineering & Math
1:30-4:30 pm, Markstein Hall 106

Session 6  Interdisciplinary
1:30-4:30 pm, Markstein Hall 107

Reception  The Dome
4:30 - 5:30 pm

Welcome & Remarks
5:00 pm

Graham Oberem
Interim Provost and Vice President for Academic Affairs

Finalists Announced
Dr. Gerardo M. Gonzalez
Dean of Graduate Studies
Associate Vice President of Research
Session 1: Behavioral and Social Sciences
Graduate
Markstein Hall 101

1:30 - 1:50
Esmeralda Garcia
The relationship between perinatal changes in sleep, depression, stress and birth outcomes in pregnant Mexican-American women

1:50 - 2:10
Michael McCreary
Exposure to pups decreases anxiety-like behavior in virgin female mice

2:10 - 2:30
Shirlee Moore
Self-Reliance Mediates the Role between Parent-Child Understanding and Stress

2:30 - 2:50
Amanda Gochez
Ultrasonic Vocalization in Rats in Response to Methamphetamine

2:50-3:00
Break

3:00 - 3:20
Sarah Neal
Lateralized Scratching in the Common Marmoset (Callithrix jacchus)

3:20 - 3:40
Alex Kowalczyk
Hypocretin antagonist increases anxiety-like behaviors in mice independent of tail suspension stress

3:40 - 4:00
Araceli Cruz
Early Maternal Love, Emotion Regulation, and Depression in College Females

4:00 - 4:20
Eleuterio Limas
The Effects of a Social Norm Intervention on Smokers’ Physical Distress Tolerance and Smoking Behavior

4:20 - 5:30
Please join us in the Dome for the Awards Reception.
Session 2: Behavioral and Social Sciences
Undergraduate
Markstein Hall 102

1:30 - 1:50
Brittany Young
Gender, Ethnicity and Employment Status: Possible Predictors of Academic Entitlement in College Students

1:50 - 2:10
Brenda Aleman
Acculturation, Depression and Maternal Affect in Women of Mexican Origin

2:10 - 2:30
Lilibeth Flores
Work, Life, Balance: Minority Female Science Students and Their Decision to Have Children

2:30 - 2:50
Anthony Torretti
Motivated Skepticism in Voter Information Processing

3:00 - 3:20
Alyssa Parisette
Parental Predictors of Shame and Guilt at Age 6 in a Multi-Method, Longitudinal Study

3:20 - 3:40
Tarah Sreboth
Schadenfreude Follows Some Into the Grave: Insights on Fan Hatred

4:20 - 5:30
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Session 3:
Behavioral and Social Sciences
Undergraduate
Markstein Hall 103

1:30 - 1:50
Sandra Oviedo Ramirez
Behavioral Effects of Memantine in Adult and Adolescent Rats

1:50 - 2:10
Alejandra Garcia
Does working memory capacity influence mock juror susceptibility to inadmissible evidence?

2:10 - 2:30
Nyeesha Hale
Own Race Bias & deadline procedures on eyewitness accuracy

2:30 - 2:50
Megan Rice
Serpentine Shape Detection in Common Marmosets (Callithrix jacchus)

3:00 - 3:20
Veronika Espinoza
Locomotor responses to methamphetamine in adolescents versus adults

3:20 - 3:40
Carlos Gonzalez
Ketamine-Induced Conditioned Taste Aversion Differs in Adult and Adolescent Rats

4:20 - 5:30
Please join us in the Dome for the Awards Reception.

2:50-3:00
Break
1:30 - 1:50  
Sarah Lopez  
*Understanding the Effects of Age on Sex Ratio of Life Cycle Stages of an Intestinal Parasite*

3:00 - 3:20  
Alannah Miranda  
*Viral Sequences Genome Integration in the Pacific Blue Shrimp (Litopaneaus stylirostris)*

1:50 - 2:10  
Jose Banuelos  
*Auxin Biosynthesis in Agrobacterium tumefaciens*

3:20 - 3:40  
Theo Crouch, II  
*Web-Portal for the SAGE and EST Analysis Pipeline*

2:10 - 2:30  
Jamie Do  
*Isolation of Antimycobacterial Compounds from Marine Bacterial Strain UA 461*

3:40 - 4:00  
Abel Rios  
*Anti-mycobacterial Activity in Natural Products Produced by Marine Bacteria*

2:30 - 2:50  
Zachary Cruz  
*Isolating potential anti-tuberculosis metabolites produced by marine bacterium*

4:20 - 5:30  
*Please join us in the Dome for the Awards Reception.*

2:50-3:00  
*Break*
Session 5: Science, Technology, Engineering, & Math
Markstein Hall 106

1:30 - 1:50
Gary Simmons
Spectroscopy of Commercial Plasma Globes

1:50 - 2:10
Johan Garza, David Ignacio
Carbonic Anhydrase Isozymes in the Marine Alga Emiliania huxleyi involved in Biomineralization

2:10 - 2:30
Ron Reiter
Bipolar Pulse Conductivity Apparatus

2:30 - 2:50
Mandi Roe
Xenotransfer of Adult Quail (Cortunix cortunix) into Domestic Chicken (Gallus gallus) Embryos for Avian Conservation

2:50 - 3:00
Break

3:00 - 3:20
Gabriel Padilla
Viability of CD4+ T cells and Heligmo-somoides bakeri female worms during co-incubation

3:20 - 3:40
Brendan Himelright
Sequential ovulation and fertility of polyestrus in American Black Bears (Ursus americanus)

3:40 - 4:00
Andrea Fenner
Effects of long-term atmospheric nitrogen deposition on extracellular enzyme activity in semi-arid shrubland soil and litter

4:00 - 4:20
Aurelio Arango, Theo Crouch II, Xiaoyu Zhang
Data Extraction and Reduction of Ambiguity in Data Through the Use of Specialized Algorithms

4:20 - 5:30
Please join us in the Dome for the Awards Reception.
Leonardo Andrade, Peter Cimicata, Jerrik Santacroce
*Hedonic Price Model of Antique Japanese Cabinetry*

Pablo Escalera, Bobby Bender, Luz Mora, Alexandra Srouji
*Using Econometrics for NFL Game Predictions*

Jessica Baker, Jonathan Alexis Navarrete, Angela Perez
*Comparative Perspectives of Subjective Wellbeing: Women Working in the Informal Labour Market in Mumbai India*

Ross Edmunds
*Effects of Foam Rolling v. Static Stretching on Recovery of Quadriceps and Hamstrings Force*

Andrew Craig-Jones, Tomas Ambriz, Isac Michel, Julianna Sanchez, Mikhail Araracap, Jackie Young, Jon Gallamoza, Daniel Barajas
*Does recovery interval alter determinations of maximal knee extension/flexion torque and muscle activation?*

David McMillan
*The Effect of Rest Interval on Oxygen Consumption Following Resistance Exercise*

Amanda Regan
*Madame Sylvia of Hollywood and Physical Culture, 1920-1940*

Andrew Aguirre
*Mapping Destruction in Film*

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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-Pomona on May 10th and 11th. 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
Acknowledgements

We would like to thank the community member judges from the College of Science and Math Advisory Council for their participation today:

**Kevin Carroll**
Executive Vice President, CONNECT

**Avinash Karnik**
Engineer and Project Manager (retired), Jet Propulsion Laboratory (JPL)

**Joe Panetta**
President and CEO and Member of the Board of Directors, BIOCOM

**Steve Schlessinger**
Senior Consulting Software Engineer, Teradata

**Sandra Thompson**
Partner, Corp. and Intellectual Property Practice Attorney, Buchalter Nemer

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
Business
Communication
Computer Science
Economics
History
Kinesiology

Literature & Writing Studies
Mathematics
Office for Training, Research, & Education in the Sciences
Physics
Political Science
Psychology
Sociology