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Proceedings (Abstracts) from The 2nd Annual Student Research Symposium “Meeting of the Minds” and the 27th Annual CSUSB Student Research Competition

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Proceedings (Abstracts) from The 2nd Annual Student Research Symposium “Meeting of the Minds” and the 27th Annual CSUSB Student Research Competition

On February 27, 2013, the Office of Student Research and the Office of Graduate Studies held the 2nd Annual Student Research Symposium “Meeting of the Minds” and the 27th Annual CSUSB Student Research Competition. The purpose of the event was to recognize the various academic achievements of our students and our faculty mentors.

College of Arts & Letters

“Bennet Girls on Film: A Pride and Prejudice Adaptation Study”

Kristen Jensen

Faculty Sponsor: Dr. Luz Elena Ramirez

A study of various adaptations on Jane Austen’s novel, *Pride and Prejudice*.

“Teaching off the Wall”

Daniel G. Ayala

Faculty Sponsor: Dr. Katherine Thomerson Bird

Using creativity in the classroom to motivate children to learn. This is exemplified by bulletin boards and interactive boards/walls that challenge the child to learn and feel as if they are accomplishing the skills the teacher wants them to learn.

“Redemption and Ridicule: Wyclef Jean, Sean Penn, and Western/Haitian Diasporic Understanding of Celebrity Activism in Post-Earthquake Haiti”

Elena Martinez

Faculty Sponsor: Dr. Bradford Owen

A textual analysis was conducted of US news representatives of American celebrity activism in Haiti as well as online discussion by the Haitian Diaspora concerning the same relief work, themes of representation and identified and post-colonial implications are discussed.

“First, Do No Harm: The Power of a Good Title in Native American Bildungsromans”

Jonathan Maule

Faculty Sponsor: Dr. Luz Elena Ramirez

The essay analyzes Sherman Alexie’s “Smoke Signals” and Louise Erdrich’s “Tracks,” and by comparing and contrasting key passages, illustrates how both titles complicate and reinforce four literary themes—destruction and regeneration, power and prestige, the oral tradition, and initiation. Both texts are then situated within a larger context of loss and renewal within Native American Bildungsromans.

“Madness in Memoir: The Representation of the Unmarked Body”

Krystin Rauma

Faculty Sponsor: Dr. Jessica Luck

Darkness visible is a compelling memoir in which William Styron depicts his personal battle with depression. My projects explores depression in memoir as a kind of “coming out” narrative that moves past society’s call for a “performance of normalcy” from the unmarked disabled body.

College of Business & Public Administration

“From Charity to CSR”

Danielle Marie Chavez
Faculty Sponsor: Dr. Breena Coates

Businesses and their use of corporate power in a democratic society is becoming more influential. There has been a move from charity to corporate social responsibility. I examined the critical arguments for and against corporate social responsibility, recognizing socially responsible best practices emerging from the research.

“Destination Branding for Foreign Direct Investment”

Marion deRiviere de La Mure, Valentine Cereza, Lou Lebrun-Gonnet
Faculty Sponsor: Dr. Jason Ryan

The project examines whether countries are branding themselves and how they attract foreign direct investment.

“Analyzing the Demand and Supply of E-Government Service: A Case of Bilingual Services on California Websites”

Shan-Ju Ho
Faculty Sponsor: Dr. Anna Ni, Dr. Francisca Beer

The current e-services provision is lack of taking the demands of citizens into consideration. The U.S. Census 2011 for the nation shows that the Hispanic population will comprise of 16.7% of the population. The shift is dramatic especially in the State of California, which the Hispanic population will become a minority for 38.1% of total population. In general, the government agencies in California counties and cities have not developed much of bilingual services. By using correlation analysis, this research tests the hypothesis that the current e-services provision for 478 California cities and 58 California counties is more supply-driven than demand –driven. Finding the current e-services not reflecting the needs of California residents, this research also provides insights into the best practices of e-government around the world; one is Singapore (bilingual website); Seoul of South Korea (citizen-oriented website). Our findings will contribute to providing practical lessons for public practitioners to improve e-service delivery.

“An Examination of the Impact of CSR in Technology-Driven Society”

Balaji Kannan
Faculty Sponsor: Dr. Breena Coates

Companies have to survive in the competitive business landscape field by constant need for monetary growth and the changing societal needs. Technology used to address regulatory needs can make the difference—help make organizations socially sustainable or break them into oblivion.

“QueuePay.com, Building a System for Cardholder-Transaction Security”

Jose R. Gonzalez

Faculty Sponsor: Dr. Conrad Shayo

A new method to prevent unauthorized payment of card transactions. A cardholder will be able to place payment card transactions on a queue as a method of preauthorization before initiating a transaction with a merchant. The queue will act as a new variable to complete an authorized transaction.

“Strategizing for Corporate Responsibility: A Wells Fargo Case Analysis”

Ines M. Stewart

Faculty Sponsor: Dr. Breena Coates

The research explores Wells Fargo’s use of corporate social responsibility strategy through qualitative data research, the comprehensive corporate social responsibility framework, and SWOT analysis. Findings, conclusions, and recommendations to stakeholders will be discussed.

“Benefit Corporation, Flexible-Purpose Corporation, and the certified B Corporation”

Suu Elen Manzano

Faculty Sponsor: Dr. Breena Coates

Explanation of flex-purpose, benefit corporation, and B-lab as a response to corporate social responsibility (CSR). How far will California go to legally express their commitment to CSR? The new laws and certification are more encompassing of social and environmental activities in corporations.

College of Education

“I Hope To Be a Symbol of Encouragement”: Using CRAFT in Community Colleges to Facilitate Student Voice in the Remedial Studies Debate”

Dr. Aja Henriquez

Faculty Sponsor: Dr. Louie Rodriguez

Current changes of remedial coursework in higher education have been influenced by economic and political pressures, while students affected by these changes are a wealth of insight on student success. This research facilitates student voice in order to inform decision-making regarding “remedial students.”

“Neurofeedback”

La Resha Lyles, Sandra Kellmer, Sherece Jefferson

Faculty Sponsor: Dr. Donna Schnorr

The study associated with this presentation explored seven cases of individuals who were struggling with inattention and focus, some of whom had been diagnosed with ADHD or PTSD. Pre and Post scores were administered using the Integrated Visual and Auditory Continuous Performance Test (IVA). Observations and Interviews were also used for explanatory purposes.

“Education Technology in Kindergarten”

Mauricio Cadavid

Faculty Sponsor: Dr. Marita Mahoney

This research looked at the implementation of educational technologies (iPad and iPod Touch) used in a kindergarten classroom to teach students to learn to read and write. The three main areas covered in the literature include learning and institution, curriculum, and educational technologies.

“Undercover Anti-Bullying Teams”

Juanita Williams, Harpreet Uppal, Evelyn Knox, Felipe Barha

Faculty Sponsor: Dr. John Winslade

The research focuses on bullying as an external relation phenomenon that draws the people who get directly and indirectly entangled in them. The analysis inquired whether peers are an effective option that counselors, teachers, and school administrators can rely on to eradicate bullying in school which differ from traditional authoritarian and punitive strategies.

“Promoting Student Engagement through Physical Activity”

Courtney Doussett

Faculty Sponsor: Dr. Marita Mahoney

Helping elementary school teachers to use physical activities to promote on-task behavior, student engagement, and motivation. How 5-minute physical activity bursts aid students to focus and engage on targeted cognitive activities.

“Contributions of Wellness on Student Achievement and Behavioral Engagement”

Eric Vreeman

Faculty Sponsor: Dr. Donna Schnorr

A correlational model was used to test hypothesized relationships between ten domains of wellness (adaptability, connectedness, conscientiousness, emotional self-regulation, empathy, initiative, mindfulness, optimism, self-efficacy, social competence) as measured by the Child and Adolescent Wellness Scale (CAWS) and factors of academic achievement and behavioral engagement.

“100 DINNERS PROJECT- Conceptual Change Theory in Education: Using Home Visits to Reshape Teacher Perceptions of Students”

Aubrey Hovannesian

Faculty Sponsor: Dr. Marita Mahoney

The 100 Dinners Project utilizes the Conceptual Change Theory Protocol in an effort to identify and solve issues related to Schools Connectedness

College of National Sciences

*“Analysis and Comparison of Protected and Exploited Toothshell (*Nerita scabricosta*) on the Pacific Coast of Costa Rica”*

Emilia Escobar

Faculty Sponsor: Dr. Belisario Ventura

Tooth snails, *Nerita scabricosta* (Gastropoda: Neritidae) are gathered for food along the Pacific coast of Costa Rica. Snails reside on both vertical and horizontal surfaces of rocky intertidal beaches. We assessed snail density, size distribution, and spatial dispersion pattern of these snails at three sites with progressively decreasing levels of protection from human access.

“The Role of the Caudofemoralis Longus Muscle in Alligator Locomotion”

Jessica Joneson

Faculty Sponsor: Dr. Tomasz Owerkowicz

To determine the function of the Caudofemoralis Longus, a well-developed muscle in the tails of reptiles with sprawling gaits, we cut the tendon to the CFFL in juvenile American alligators. Altered animals exhibited no changes in loco motor patterns based on before and after footage, and compared to controls.

“Radio Number for Fifth Power Paths”

Alberto Acenedo and Samuel Marrujo

Faculty Sponsor: Dr. Belisario Ventura

Let G be a connected graph and for any two vertices, u, v , let $d(u,v)$ be distances in G . The maximum distance is called the diameter of G , $\text{diam}(G)$. Then we find a radio labeling of G such that the inequality $|F(u)-F(v)| \geq \text{diam}(G) - d(u,v) + 1$ holds. The radio number is the minimum span in G . We will discuss the progress made towards finding the radio number for the 5th power graph.

“Exploration of Robotic Systems with Microcontroller”

Christopher Ramirez

Faculty Sponsor: Dr. Haiyan Qiao

To learn about the fields of engineering, mechatronics, and software development through a series of hands on activities in constructing, wiring, and programming an autonomous robot.

“Accurate Skull Alignment for Radiosurgery”

Kenneth Williams

Faculty Sponsor: Dr. Keith Schubert

I compared three image registration algorithms for skull alignment during radiosurgery. The process of image registration consists of aligning a transformed image against its reference image. The primary concerns of this research were efficiency and accuracy. For this presentation, a stock image is used due to patient privacy.

“Jar Test Study on the Use of Aluminum for Turbidity and Nutrient Removal in Canyon Lake, CA”

Gracie Cervantes and Emmett Campbell

Faculty Sponsor: Dr. James Noblet

Aluminum Sulfate was used to remove both turbidity and nutrients from the water in Canyon Lake, CA.

“New Experimental Model to Investigate the Effects of Augmented Intra-cardiac Shunt”

Elisabeth Cook

Faculty Sponsor: Dr. Tomasz Owerkowicz

The cardiovascular shunting seen in non-avian reptiles has many hypothesized adoptive functions all lacking in substantial support. In my current research I am developing a new model in *varanus exantematicus* (Savannah Monitors) to study/ investigate the hypothesized functions further.

“Analyzing EEG Data of Alcoholic Patients Using Time Series Analysis and Machine Learning Techniques”

Regie Felix

Faculty Sponsor: Dr. Arturo Concepcion

Time series are data take in time intervals. This analysis can predict future data in three steps: preprocessing, analysis, and diagnostics. Time series classification uses machine learning (decision trees and artificial neural networks) to classify a dataset. We analyzed EEG data of alcoholics and non-alcoholics to predict their status.

“Cell Type Difference in Role of Host Nxf1 for Influenza NPmRNA Nuclear Export”

Veronica Perez

Faculty Sponsor: Dr. Laura Newcomb

Influenza invades cells to replicate itself by sending mRNAs to the nucleus so they can be made into proteins. But, mRNA nuclear export requires protein interaction. Our research shows that the flu NPmRNA is neither Nxf1-mediated or not Nxf1-mediated, depending on cell type.

“An Influenza N-Terminal Nucleoprotein Mutant Reveals Roles of Influenza NS Proteins in Viral Gene Expression”

Jose M. Ramirez

Faculty Sponsor: Dr. Laura Newcomb

Using a truncated Influenza Nucleoprotein that is defective in viral replication and transcription, we can reveal the role of influenza NS protein in viral replication and transcription. Our current work shows NS proteins rescue the defect of our mutant Nucleoprotein at the level of translation.

“Characterization of Two Influenza Nucleoprotein Body Domain Mutants”

Anita Sahagian

Faculty Sponsor: Dr. Laura Newcomb

The purpose of this study is to characterize an NP mutant, Npbd3, designed to disrupt interaction with viral RdRP. NPbd3 is defective for viral mRNA transcription and viral RNA replication. We aim to identify any NP interactions that are altered in the presence of NPbd3 in order to identify potential antiviral targets.

“VLBA Observations of H₂O Masers Around the Evolved Star W434K”

De Andra Salley

Faculty Sponsor: Dr. Belisario Ventura

We present observations and preliminary results of H₂O maser emissions in the circumstellar envelope of the evolved star W434K, obtained by the very large baseline array at the three epochs from 2003 to 2004 with time spacing between 2-3 months. By observing the masers with this time spacing, the change in position can be determined. Moreover, by determining the motion and estimating the maser shell thickness, we should be able to calculate the mass loss rate of the evolved star.

“Green Conversion of Eugenol to Isoeugenol”

Brittney Sandoval

Faculty Sponsor: Dr. Kimberley Cousins

Eugenol is used in the flavor and fragrance industry and also used as a model reaction for isomerization of allylic to vinylic ph bonds. Conversion can be made greener by substituting water for most of ethylene glycol. This ensures the least amount of waste.

“Serum Starvation Increases the Transfection and Differentiation Efficiency”

Negin Baghdadchi

Faculty Sponsor: Dr. Nicole Bournias

Induced pluripotent stem cells and human pluripotent stem cells are starved with SI and DSI KOSR serum. The results showed that 2 day starvation with SI KOSR serum causes significant increase in differentiation and nucleofection efficiency.

*“Geographic Population Structure of *Rhinichthys Osculus*, the Santa Ana Speckled Dace, among Southern California Watershed Habitats”*

Liane R. Greaver

Faculty Sponsor: Dr. Anthony Metcalf

Genetic descriptions of *Rhinichthys osculus* remain incomplete. Utilizing intron sequences in nuclear DNA, taxonomic relationships will be examined among neighboring watershed populations including Southern California, Owens River, and Central Coast. The study analyzes three introns to determine if sufficient genetic differentiation has occurred to consider each of its own taxa.

“Unmasking the Mysteries of the Mosaics”

Amandeep Kaur

Faculty Sponsor: Dr. David Maynard

Mayan artifacts, obtained for the National Museum of the American Indian Smithsonian Institute, were analyzed by the spectroscopic methods and found to contain copal.

“Directing Neural Retina Cell Fates from Human Pluripotent Stem Cells”

Meredith Lujan

Faculty Sponsor: Dr. Nicole Bournias and Dr. Chee Gee Liew

This project will use both human embryonic and induced pluripotent stem cells to generate retinal cells by utilizing well-characterized pathways first identified in early animal model studies.

“Importance of the Calcareous Eggshell to Normal Development in the American Alligator”

Nelson A. Membreno

Faculty Sponsor: Dr. Tomasz Owerkowicz

Crocotilians and birds lay heavily mineralized eggs as opposed to the leathery eggs of other amniotes. The mineralized layer of experimental American alligator eggs was removed and experimental eggs were incubated alongside control eggs. Results show that experimental hatchlings were smaller and had larger yolk sacks than hatchlings.

*“Microsatellite Analysis of Population Structure in the Santa Ana Speckled Dace (*Rhinichthys Osculus*): Conservation and Evolution”*

Stacey A. Nerkowski

Faculty Sponsor: Dr. Anthony Metcalf

The Santa Ana Speckled Dace has been a species of concern among local watershed- utilizing microsatellites, population structure, and genetic diversity will be examined among Southern California streams. 23 microsatellite loci have been identified and are being analyzed for 150 individuals. This data will be used for conservation and management purposes.

“Methods of Administration and their Effect on Social Desirability Bias”

Elizabeth Castaneda

Faculty Sponsor: Dr. Jodie Ullman

This study addresses an important factor concerning the validity of self-report questionnaires and the effect of social desirability on self-report measures.

“Failure and Shifting Standards: How Failure can Positively Affect Subjective Evaluations of Stereotyped Group Members”

Michelle Fabros
Faculty Sponsor: Dr. Donna Garcia

Using the shifting standards model, the positive influence of failure can lead to better subjective -but not objective- evaluations of stereotyped group members.

“The Role of Ideology in Negotiation and Conflict Resolution During the Tuareg Rebellions”

Raymond Miller III
Faculty Sponsor: Dr. Mark Clark

This work traces the four Tuareg Rebellions in Mali after the French Occupation and discovers the role ideology played during those rebellions to present.

“International Cocaine and Heroin Trafficking: A Social Network Approach”

Stephen Anderson
Faculty Sponsor: Dr. Gisela Bichler

This study uses social network analysis to identify the important transit countries for cocaine and heroin, respectively.

“A Proton Simulator for Testing Implementation of Proton CT”

Micah Witt
Faculty Sponsor: Dr. Keith Schubert

Reconstruction Algorithms on GPGPU Clusters

“Accurate Skill Alignment for Radiosurgery”

Kenneth Williams
Faculty Sponsor: Dr. Keith Schubert

Abstract: In this research, image registration algorithms and compared with an emphasis on testing their efficiency and accuracy on their calculated transformations.

“National Policy to Combat Breast Cancer”

Mahbuba Hammad
Faculty Sponsor: Dr. Daniel Fahey

This research paper discusses the manner in which Qatar is combating breast cancer at a national level.

“Effects of Juvenile Methylphenidate Exposure on Cocaine Self-Administration and Escalation in Rats”

Graham Kaplan

Faculty Sponsor: Dr. Cynthia Crawford

A self-administration paradigm was used to assess the impact of juvenile methylphenidate exposure on cocaine seeking behavior in adulthood.

“The Effects of Perceived “Backward and Forward” Group Continuity on Well Being”

Jennifer Wacan

Faculty Sponsor: Dr. Donna Garcia

We expect the degree to which one perceives their ethnic group as having an extensive historical past and lengthy future will impact individual scores on measures of wellbeing (i.e. individual self-esteem).

“Serum Starvation Enhances Transfection and Differentiation Efficiency in Human Pluripotent Stem Cells”

Negin Baghdadchi

Faculty Sponsor: Dr. Nicole Bournias

Serum Starvation can increase the nuclear fraction as well as differentiation efficiency in hpsc and ipsc.

“Directing Neural Retina Cell Fates from Human Pluripotent Stem Cells”

Meredith Lujan

Faculty Sponsor: Dr. Nicole Bournias & Dr. Chee Leiw (UCR)

This project will use both human embryonic and induced pluripotent stem cells to generate retinal cells by utilizing signaling factors first identified in early developmental studies.

“Microsatellite Analysis of Population Structure in the Santa Ana Dace (Rhinichthys osculus): Conservation and Evolution”

Stacy Nerkowski

Faculty Sponsor: Dr. Tony Metcalf

Utilizing microsatellites, population structure and genetic diversity will be examined in Rhinichthys osculus among Southern California streams. 23 microsatellite loci have been identified and are being analyzed for conservation and evolution.

“Examining the Effects of Parental Influences on Child Nutrition Behavior”

Molly Nazeck

Faculty Sponsor: Dr. Robert La Chausse

This study is examining the relationship between fruit/vegetable availability and the mediating effects of parental influences.

“Reverse Genetics of Influenza Virus”

Juana Zamora

Faculty Sponsor: Dr. Laura Newcomb

Using the reverse genetics to generate virus with WT NP and NP with an epitope FLAG tag at the C-Terminus end result in no production of virions however, the NP was being expressed and synthesized. This alludes to a virion assembly function of the NP C-terminus.

“Ethnic Differences in Weight Perception and Obesity Among College Students”

William Landa

Faculty Sponsor: Dr. Robert La Chusse

This study examines the relationship between ethnicity and weight perceptions among university studies. The results of this study have program and policy implications for U.S. Universities.

“Unmasking the Mysteries of the Mosaics”

Amandeep Kaur

Faculty Sponsor: Dr. David Maynard

Myan artifact, obtained for the National Museum of the American Indian at the Smithsonian Institute, were analyzed by spectroscopic methods and found to contain copal.

College of Social & Behavior Sciences

“We Be Drinkin’”

Juan Franquez

Faculty Sponsor: Dr. Gisela Bichler

This is a study of place management and design of problematic bars and nightclubs. Site observations of 87 bars and 17 nightclubs resulted in robust indicators of crime and disorder in respective settings. This study also tests a new crime and disorder indicator- public notoriety as measured by yelp.com.

“Measuring College Success by Student Resiliency and High School Academic Performance Index Scores”

Marlena Hernandez

Faculty Sponsor: Dr. Sharon Ward

A correlational relationship between CSUSB students’ past high school API scores and their present resiliency factors may create a measure to better determine college success. It is hypothesized that past high school API scores will influence college success. Therefore, students that come from high performing API high schools paired with high individual resiliency factors will have more college success and a higher GPA.

“Prozac ® Exposure During Adolescence Impairs Spatial Memory Performance in Adulthood.”

Michelle J. Stone

Faculty Sponsor: Dr. Sergio Iniguez

Within the adolescent population, there has been an increase in the prescription rates of the antidepressant Prozac ®. The current study was designed to examine for potential long lasting spatial memory related deficits as a result of chronic exposure to Prozac during adolescence, using C57Bl/6 mice.

“Cognitive Vulnerability for Anxiety: A Comparison of Competing Models”

Matthew Arias

Faculty Sponsor: Dr. Michael Lewin

The study examined four competing cognitive vulnerability models of anxiety (i.e. Vulnerability to Harm-Schema Model, Looming Cognitive Style, Anxiety Sensitivity, and Fear of Negative Evolution.) Results revealed that these cognitive models significantly mediated the relationship between recollections of dysfunctional parenting and current anxiety. Implications and future research will be discussed.

“Negative Couple Rituals: A Qualitative Study”

Bridgit Berney

Faculty Sponsor: Dr. Kelly Campbell

This study seeks to expound upon one type of couple behavior, negative couple rituals, which are defined as repeated behaviors that partners enact together. Central themes from participation responses will be presented. The association with commitment and relational satisfaction will be examined.

“Are Expensive Weddings More Satisfying?”

Nicole Leitner

Faculty Sponsor: Dr. Kelly Campbell

Do the high costs and elaborateness associated with weddings pay off in terms of wedding ritual satisfaction? The current study predicted that married people’s satisfaction in their wedding rituals would increase in conjunction with cost and elaborateness. Results will be presented.

“The Influence of Family Acceptance on Mental Health among LGBT Individuals”

Mary Arroyo

Faculty Sponsor: Dr. David Chavez

It has been found that support can have a buffering impact regarding poor mental health and health risk behaviors in the LGBT community; whereas unsupportive behavior can lead LGBT individuals to engage in risky behavior. It was hypothesized that family acceptance would increase positive outcomes, specifically self-efficacy, self-esteem, and general health. Additionally, it was expected that it would also be negatively associated with negative outcomes, specifically substance abuse, psychological distress, and suicide ideation.

“Interpersonal Chemistry in Friendship and Romance”

Jessie Nelson

Faculty Sponsor: Dr. Kelly Campbell

Chemistry refers to an instant connection between two individuals. Our goal is to identify, underlying components of interpersonal chemistry in friendships and romantic relationships. Participants responded to an online questionnaire that included open ended questions regarding chemistry. Data were coded using constant comparative method.

“Early Maladaptive Schemas, Personality, and Aggression”

Alexander Ojeda

Faculty Sponsor: Dr. Michael Lewin

The object of this study was to examine the relationship between gender, the five factor model of personality traits, and cognitive vulnerability factors, i.e., early maladaptive schemas as predictors of verbal and physical aggression.

“Love and Athletic Performance: A Pilot Study with Collegiate Athletes”

Meriam Sahak

Faculty Sponsor: Dr. Kelly Campbell

We examined the possibility that athletes who are “in love” may perform better in athletic activities, because both love and athletics involve intense focus on rewarding outcomes. After assessing the athletes through performance tasks and having them think of love, we found positive results for our hypothesis.

“The Role of Primacy and Recency Effects and Need for Cognition in a Simulated Structured Interview”

Amanda Gonzales

Faculty Sponsor: Dr. Janet Kottke

Different biases occur in structured interviews. We will be examining two important biases: primary and recency effects. Both of which can influence an interviewer’s response based on when information is presented. We will examine difference in ratings of a fictitious applicant due to order of question/answer placement. Also, participant’s level of need for cognition will be measured as a moderating variable for primacy and recency effects.

“Relationships of Olympic Athletes at the Games: Media vs. Research Reports”

Cheyenne Hosseini

Faculty Sponsor: Dr. Kelly Campbell

This presentation will compare the relationships of Olympic athletes from two perspectives, media and research. Recent reports indicated that once athletes are staying in Olympic Village, sexual encounters are abundant. A majority of athletes reported being exclusively focused on their sport, although a small number commented on prospective romantic.

“Creativity, Mental Health, and Metacognition”

Yessenia Silva

Faculty Sponsor: Dr. Michael Lewin

The study investigated creativity and other variables such as depression and mood. Additionally we investigated self-measures including personality, need for cognition, creative self-efficacy, creative metacognition, and self-esteem. Participants also completed actual creative performances across three domains and a metacognition measure for each task.

“Social Defeat Stress, Results in Pro-depressive Behaviors”

Lace M. Riggs

Faculty Sponsor: Dr. Sergio Iniguez

A more focused approach to depression research is needed at the pre-clinical level. We investigated whether the social defeat model would result in pro-depressive behaviors in adolescence using the social interaction test.

“Shared Spaces, Separate Lives: Community Formation in the California Citrus Industry During the Great Depression”

David Shanta

Faculty Sponsor: Dr. Cherstin Lyon

Benedict Anderson’s work Imagined Communities: Reflections on the Origin and Spread of Nationalism is used to examine the community-forming process of citrus growers and workers, in Riverside and San Bernardino counties, leading up to and including the 1930’s. Research was based on oral histories, newspapers, and government documents.

“I Am Not a Man but Also an Explorer?”

Ryan Minor

Faculty Sponsor: Dr. Tiffany Jones

The research focuses on the contradictory treatment of labor along the English chocolate industry’s multinational supply chain at the turn of the 20th century. The greater purpose of this research is to use this particular industry to examine universal connections between industrial capitalism and mistreatment of labor in Africa over the last two centuries.

“Effects of Juvenile Methylphenidate Exposure on Cocaine Self Administration and Escalation in Adult Rats”

Graham Kaplan

Faculty Sponsor: Dr. Cynthia Crawford

Methylphenidate is a highly prescribed psycho-stimulant for the treatment of ADHD; however, little is known about its long term effects. The present study tested an animal (rodent) model with self-administration paradigm to assess the impact of juvenile methylphenidate exposure on cocaine seeking behavior in adulthood.

“Creativity, Impulsivity, and Borderline Traits”

Tessy Pumacahua

Faculty Sponsor: Dr. James C. Kaufman

The purpose of this study is to investigate the relationship between impulsivity and creativity. Another goal of this study is to also compare the creative abilities of individuals with high levels of BPD traits to a control group, through the use of different creative measures.

“The Perception and Power of Crime Films”

Kamelle Leggette

Faculty Sponsor: Dr. Kathy Nadeau

The following research applies Boren’s theory “that the over exposure of crime films induces criminal activity within that society.” By analyzing post-Rwandan genocide crime films from a cultural anthropological perspective, contrary to Boren’s theory, Rwandan crime films are used to socially reconstruct a society, by means of reconciliation, acceptance and psychological ventilation.

“The Role of Ideology in Negotiation and Conflict Resolution During the Tuareg Rebellions”

Raymond Albert Miller III

Faculty Sponsor: Dr. Mark T. Clark

The work traces the four Tuareg Rebellions in Mali after the French Occupation and discovers the role that ideology played during those rebellions to present.

“Environmental Causes of Multiple Sclerosis and certain other Co-occurring Diseases”

Brian Evans

Faculty Sponsor: Dr. Robert Shaw & Dr. Wesley Niewoehner

Environmental Causes: Multiple Sclerosis and co-occurrence of many other immune system dysfunctions, certain non-viral genetic cancers and mitochondrial mutations. A translational medical anthropological research discovery.

“We Be Drinkin'”

Juan Franquez

Faculty Sponsor: Dr. Gisela Bichler

A study on place management and design of problematic bars and night clubs. Place management, crowdedness, and place design resulted to be robust indicators of crime and disorder.

“Hijacking History: Censorship and Cultural Genocide as Weapons of Racism in Arizona”

Charlene Eaton

Faculty Sponsor: Dr. Elsa Valdez

An analysis of HB2281, the Ethic Studies ban in Arizona: what it actually says, how it was passed, what educators are saying about it and how it has impacted the children of Mexican and Indigenous ancestry explain the ability to distinguish opinions on moral values and criminality in comics. Belgians have a "black and white" view; Americans see crime relative to motivations mics. Belgians have a "black and white" view; Americans see crime relative to motivations.

“Disparity in Western Comics: A Reflection of Values and Crime”

Racheal Morgan

Faculty Sponsor: Dr. Katherine Nadeau

A cultural perception of “crime” explains the ability to distinguish opinions on moral values and criminality in cultural perceptions of “crime” explains the ability to distinguish opinions on moral values and criminality in comics. Belgians have a "black and white" view; Americans see crime relative to motivations. Belgians have a "black and white" view; Americans see crime relative to motivations.

“Perceived Social Norms and Health Behaviors: Are College Drinking Behaviors Mediated by University Attachment?”

Jordyn Wheeler

Faculty Sponsor: Dr. Robert LaChausse

This study examines the relationship between school connectedness and health risk behaviors, specifically between perceived social norms, alcohol, and university attachment among college students.

“Social Defeat Stress in Adolescence Results in Pro-Depressive Behaviors”

Lace Riggs

Faculty Sponsor: Dr. Sergio Iniguez

Since the incident of adolescent depression has increased, a more focused approach to depression research is needed at the preclinical level. Since previous research demonstrates that the social defeat model results in a depression-like phenotype in adult animal, we investigated whether this model will yield similar results during adolescence using the social interaction test.

“A Closet Full of History: Perceptions of Backwards and Forwards Cultural Continuity in LGBTQQI Community”

Gabino Gomez

Faculty Sponsor: Dr. Donna Garcia

Measuring individual perceptions of "backward and forward" collective continuity in self-identified members of the LGBTQQI community.

“Measuring College Success by Student Resiliency and High School Academic Performance Index Scores”

Marlena Hernandez

Faculty Sponsor: Dr. Sharon Ward

A correlational relationship between CSUSB students' past high school API scores and their present resiliency factors may create a measure to better determine college success to corporate social responsibility. I examined the critical arguments for and against corporate social responsibility, recognizing socially responsible best practices emerging from the research.