UNLV Office of Undergraduate Research

Friday, April 27th | 9:00am-11:30am

Spring 2018

OUR Undergraduate Research Conference

• Lightning Talks • Poster Presentations • Traditional Presentations

Location
Student Union 2nd Floor

This event is co-sponsored by

UNLV CSUN Student Government
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Conference Schedule

8:00 – 9:00 am  Registration  Student Union 2nd Floor

9:00 – 9:05 am  Opening Remarks  SU 208

9:05 – 10:00 am  Poster Presentations  SU 208

9:15 – 10:15 am  Podium Presentations  SU 211 and 213

10:00 – 10:15 am  Poster Sessions Break  SU 208

10:15 – 10:30 am  Podium Sessions Break*  SU 208

10:15 – 11:15 am  Poster Presentations  SU 208

10:30 – 11:05 am  Podium Presentations  SU 211 and 213

11:15 – 11:30 am  Closing Remarks  SU 208

* We invite you to visit the poster presentations during your break in SU Meeting Room 208
SESSION I: PODIUM PRESENTERS

Student Union Room 213

La Lucha Sigue: Making the Case For Institutional Support of Undocu/DACAmented Students in Higher Education
Esmeralda Cruz Lopez, UNLV Department of Sociology
FRM: Dr. Anna C. Smedley-López

Courtly Love and the Woman’s Voice in Medieval France
Jennifer Kimball, UNLV Department of History
FRM: Dr. Elspeth Whitney

Laura Lomeli, Richard Henderson, Natalie Manka and Michael Haddad UNLV Department of Sociology, and Aria Reeder, UNLV School of Community Health Sciences
FRM: Dr. Anna C. Smedley-López

Literature and Modern Technologies
Alexander Valle, UNLV Department of English
FRM: Dr. Jarret Keene

Differential 5HT2A and 5HT2B Receptor Expression in Non-Principal Cells of the Frontal Cortex and Hippocampus
April Contreras, UNLV Department of Psychology
FRM: Dr. Rochelle Hines

Stress-Induced Synaptic Dysregulation is Preceded by Astrocytic End-Feet Withdrawal
Beatriz Torres, UNLV Department of Psychology
FRM: Dr. Dustin Hines

“Research is invaluable to undergraduates' growth as both students and budding researchers. For me, engaging with research as an undergraduate honed my critical thinking skills, developed and expanded my interest in various research topics, and familiarized me with the process of conducting and presenting research. This opportunity ignited my passion for research and informed my decision to pursue research further as a graduate student”.

Audrey Rader, Undergraduate Researcher
SESSION II: PODIUM PRESENTERS
Student Union Room 211

Extent of Mutation and Sex Influence the Risk of Mortality in a Mouse Model of Developmental Epilepsy
Rosalie Chaleunsouck, UNLV Department of Chemistry and Biochemistry
FRM: Dr. Rochelle M. Hines

Identification of CHST15 as A Candidate Gene for Schizophrenia from Whole Genome Sequencing
Mahtab Hamid and Marvi Moreno, UNLV School of Life Sciences
FRM: Dr. Xiangning Chen & Dr. Jingchun Chen

A Feasibility Study of Artificial Eyelid Muscle Using Ionic Polymer-Metal Composites
Michelle Quizon, UNLV Department of Mechanical Engineering
FRM: Dr. Kwang Kim

Examining Changes in Excitation and Inhibition in Models of NDDs
Christina Joya, UNLV Department of Psychology
FRM: Dr. Rochelle Hines

Cryo-Orthotic Regenerative Elbow Splint
Julio B. Figueroa, Gideon Brillantes, Ashley Lamb, and Alex Dahlgren, UNLV Department of Mechanical Engineering
FRM: Dr. Samir Moujaes

LIGHTNING TALKS

The Role of the Extracellular Matrix Protein OprF in Pseudomonas Aeruginosa Biofilms
Sophia Araujo-Hernandez, UNLV School of Life Sciences
FRM: Dr. Boo Shan Tseng

Building a Better Convention
Thuon Chen, UNLV William F. Harrah College of Hospitality
FRM: Dr. Robert Rippee and Dr. Mehmet Erdem

Dendritic Spine Morphology in a Mouse Model of Developmental Epilepsy
Shyrun Karandikar, UNLV Department of Psychology
FRM: Dr. Rochelle Hines

From Bison to Cattle: The Ecology of the Southern Plains 1500-1750
Jenni Tifft-Ochoa, UNLV Department of History
FRM: Dr. Jeff Schauer
1. Sustainability of Factory Farming  
William Allen & Alex Schulz, UNLV Department of Anthropology, and Jill Tabacon, UNLV Department of Criminal Justice  
FRM: Dr. Levent Atici

2. Moving Beyond Traditional Sources of Trauma: A Qualitative Examination of Justice Involved Women’s Adverse Childhood Experiences  
Saleena Alvarez, UNLV Department of Criminal Justice  
FRM: Breanna Boppre & Dr. Emily J. Salisbury

3. Red Rock Canyon Land Development  
Nicholas Antonio, UNLV Department of Anthropology, Joseph Bauman, UNLV Department of Finance, and Kevin Tompkin, UNLV Department of Sociology  
FRM: Dr. Levent Atici

4. Detrimental Health and Environmental Effects of Meat Consumption and Production  
Ariana Burton, UNLV Department of Anthropology, and Mayra Arzate and Hanna Andersen, UNLV School of Public Policy and Leadership  
FRM: Dr. Levent Atici

5. Solar Energy  
Gerardo Castillo, UNLV Department of Anthropology, Leonardo Carrillo, UNLV Department of Kinesiology and Nutrition Sciences, and Taylor Milner, Department of Psychology  
FRM: Dr. Levent Atici

5. The Impact of Dance Experience and Cultural Background on the Perception of Musical Tempo  
Priscila Venzor, UNLV Department of Psychology, and Tanya Serrano, UNLV Department of Chemistry and Biochemistry  
FRM: Dr. Erin E. Hannon

7. Cultural Impacts on Perception of Auditory Rhythm and Tempo  
Natalie Contreras & Jared Leslie, UNLV Department of Psychology  
FRM: Dr. Erin E. Hannon

8. An Investigation of Alternative Maternal Health Care Practices  
Emily Carter, West Career and Technical Academy, CCSD  
FRM: Dr. Sharon Young

9. Nutritional Composition of Placenta Compared to Other Meats  
Aaron Cheng, Advanced Technologies Academy, CCSD  
FRM: Dr. Sharon Young

10. Processing Methods of the Human Placenta and Their Effect on Potentially Harmful Substances  
Karissa Grotjohn, Veterans Tribute Career and Technical Academy, CCSD  
FRM: Dr. Sharon Young

11. The Effects of a Culturally Adapted Intervention for Student-Athletes on Engagement in Mental Health Services, Treatment Adherence, and Client Satisfaction with Services  
Alexandra Danlag, Department of Psychology  
FRM: Dr. Bradley Donohue

12. Grocery Surplus Redistribution in America: Progress, Hurdles, and International Examples  
Emily Vaughan and Andrea Vazquez, UNLV Department of Anthropology, Brianna Cossio, UNLV Department of Criminal Justice, and Erika Gutierrez, UNLV Department of Psychology  
FRM: Dr. Levent Atici
SESSION IV: POSTER PRESENTERS 13-24

Student Union Room 208

13 Developmental Upregulation of TSPO During Puberty
Kayla Bland, UNLV School of Life Sciences
FRM: Dr. Rochelle Hines & Dr. Dustin Hines

14 Comparison of Clostridium Difficile Infection (CDI) Signs Severity Between Male and Female Mice
Dung Do, UNLV Department of Chemistry and Biochemistry
FRM: Dr. Ernesto Abel-Santos

15 The Effects of Pressure and Thermal Stress on Confined Diffusion
Brandon Fallon, UNLV Department of Mechanical Engineering
FRM: Dr. Daniel Koury

16 Auditory Processing in Children with and without Autism Spectrum Disorder
Stephanie Gomez & Krizel Segun, UNLV School of Life Sciences
FRM: Dr. Erin E. Hannon

17 Determining How Misfolded Proteins are Recognized by the Cell
Bryce Hart, UNLV Department of Chemistry and Biochemistry
FRM: Dr. Gary Kleiger

18 Blood Cell Dynamics in an Ancestral Hibernator, the Common Tenrec, Tenrec Ecaudatus
Sarah York, UNLV School of Life Sciences
FRM: Dr. Frank van Breukelen

19 Solution Processed Wide-Bandgap Perovskite Materials for Tandem Solar Cells
Isaiah Henry, UNLV Department of Mechanical Engineering

20 Analysis of Pressure Distribution and Non-Hydrostaticity Within the Diamond Anvil Cell
Maranatha Malonzo, UNLV Department of Physics and Astronomy

21 Differential Raytracing and Multi-resolution Analysis for Chemical Synthesis Optimization of Nanomaterials
Astrid Miller, UNLV Department of Mechanical Engineering
FRM: Dr. Jaeyun Moon

22 Examination of GABA(A) Receptor Expression in the Enteric Nervous System
Renee Olney, CSN Department of Physical Sciences

23 Phosphate Availability in Arid Environment Exposed Lacustrine Sediments the Potential for Future Phosphate Mobilization
Peter Sbraccia, UNLV Department of Geoscience
FRM: Dr. Elisabeth Hausrath

24 Uranium Mining in the Grand Canyon and the Implication on the Water Quality of Local Springs
Jordan Wachholtz, UNLV Department of Geoscience
FRM: Dr. David K. Kreamer
25 Food Insecure At-Risk Schoolchildren in the United States
Regina de Castro, Department of Anthropology
FRM: Dr. Levent Atici

26 An Examination of Pubertal Timing Effects on Drive for Muscularity in Men
Felipe Diaz-Valadez, UNLV Department of Psychology
FRM: Dr. Kristen M. Culbert

27 Ceramic Typology Distinctions: The Fremont from the Great Basin
Haley Dougherty, UNLV Department of Anthropology
FRM: Dr. Karen Harry

28 Sensitivity and Specificity of the Trail Making Test (TMT) to Traumatic Brain Injury (TBI) in Spanish Speaking Individuals
Susette Favela Hernandez, UNLV Department of Psychology
FRM: Dr. Daniel Allen

29 Building with SuperAdobe
Regan Fuget & Alejandra Roquemore, UNLV Department of Anthropology
FRM: Dr. Levent Atici

30 Food Waste at Home
Andrea Gettner, Daysia Brown, and Kayleen Cerva-Silva, UNLV Department of Anthropology
FRM: Dr. Levent Atici

31 Rhythmic Priors in Speech and Music
Lindsey Hierro, UNLV Department of Psychology and Rudolf Juvero, UNLV Department of Computer Science
FRM: Dr. Erin E. Hannon

32 Association of Post-Traumatic Stress and Conspiratorial Beliefs in the Aftermath of the Route 91 Mass Shooting
Kymberlie Hurd, Brianna Mann, and Amanda Mraz, UNLV Department of Psychology
FRM: Dr. Stephen D. Benning

33 Response Themes to Inequity in STEM
Sara Kent, Caralee Smith, and Brittany Klenczar, UNLV Department of Psychology
FRM: Dr. Rachael Robnett

34 Groundwater Contamination from Animal Feeding Operations
Samantha Lockhart, UNLV Department of Anthropology
FRM: Dr. Levent Atici

35 Effects of Perceived Career Stagnation on Full and Part-Time Faculty
Oana Mandrutiu-Iancu, Cynthia Garcia, and Rhea Tagora, NSC Department of Psychology
FRM: Dr. Wendi Benson
Pathologizing Child and Adolescent Behavior: The Evolution of Conduct Disorder Over 40 Years
Francesca Manz and Raashi Sharma, UNLV Department of Psychology
FRM: Dr. Paul Nelson

Indicators of Sustainability and Degrees of Democracy: A Correlational Analysis
Antonio Mila, UNLV Department of Psychology, Jackie Lam, UNLV Department of Anthropology, Daylin Siegler, UNLV School of Life Sciences and Chad Brewer, UNLV Department of Criminal Justice
FRM: Dr. Levent Atici

Epigenetics and Food Insecurity in Nevada
Amanda Mozingo, UNLV School of Life Sciences and Armani Rodriguez, UNLV Department of Psychology
FRM: Dr. Levent Atici

Impacts of the Route 91 Mass Shooting on Post-Traumatic Stress, Depression, and Well-Being
Amanda Mraz, Gregory McIntire and Elsy Urquilla, UNLV Department of Psychology
FRM: Dr. Stephen D. Benning

Children Synchronize Their Finger Taps to Rhythms Through Iterated Reproduction
Jessica Mussio and Helena Carrie, UNLV Department of Psychology
FRM: Dr. Erin E. Hannon

Finding the Common Time: Similarities and Differences in the Temporal Aspects of Speech and Music Perception
Leah Oswinn, UNLV Department of Psychology
FRM: Dr. Erin E. Hannon

Autonomy, Agency, and Absolution: A Rhetorical Criticism on Baby Driver
Monica Pechous, UNLV Department of Communication Studies
FRM: Dr. Emma Frances Bloomfield

Development of Self-Sustained Musical Beat Perception
Ashley Randolph and Dana Barakat, UNLV Department of Psychology
FRM: Dr. Erin E. Hannon

The Influence of Policy and Culture and The Influence of Culture and Policy with Food Subsidies
Eduardo Rossal, UNLV School of Journalism and Media Studies
FRM: Dr. Levent Atici

Neural Mechanisms of Bistable Stimulus Perception in Auditory Processing
Mary Sanchez and Lily Woods, UNLV Department of Psychology
FRM: Dr. Joel Snyder

Heavy Metal and Soil Pollution
Ta’Varea Shelton, UNLV Department of Anthropology
FRM: Dr. Levent Atici

“We are super proud that 5 of our undergraduates that are graduating all have offers to professional school (4 graduate and 1 medical). Three of these students had direct comments during their interviews regarding OUR awards and presentations that they had attended. YOU are really making a difference in our students’ lives and we are super grateful.”

Dr. Rochelle Hines and Dr. Dustin Hines, the Hines Lab, UNLV Department of Psychology
Thank You!

Faculty Research Mentors (FRM)

Volunteer Evaluators

Student Union Event Services

Student Presenters

The Division of Research & Economic Development

The Office of the Executive Vice President & Provost

Consolidated Students of the University of Nevada (CSUN)

UNLV Office of Undergraduate Research Staff

Student Volunteers
University of Nevada, Las Vegas
4505 S. Maryland Parkway
Box 455016
Las Vegas, Nevada 89154-5016

Campus Services Building
(CSB) 163A

702-895-2367
OUR@unlv.edu
unlv.edu/OUR

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