**Platform Sessions**

**Science Platform Session A: Student Union Room 205**

1st place  
Surbhi Sharma, School of Life Sciences. **Abstract Title:** Investigating the Carboxyl-End of Human Proteins for its Molecular Function

2nd place  
Sean Breckling, Department of Mathematical Sciences. **Abstract Title:** Parameter Sensitivity Analysis of the Navier-Stokes-Alpha Model of Fluid Turbulence

Honorable Mention  
Daniel Mast, Department of Chemistry. **Abstract Title:** Negative Thermal Bond Expansion of a Molecular Solid, Tc2O7

Honorable Mention  
Carmen Vallin, School of Life Sciences. **Abstract Title:** The Role of Stem Loop Structures (SLSs), a Type of Non-B DNA, in *Bacillus subtilis* Stationary Phase Mutagenesis

**Science and Health Science Platform Session B: Student Union Room 207**

1st place  
Travis Parsons, School of Life Sciences. **Abstract Title:** Communication is Key: Investigating the Role of BMP Signaling in Cells Migrating

2nd place  
Jacqueline Phan, Department of Chemistry. **Abstract Title:** A Potential Solution to a Poopy Problem: The Role of Bile Salt Analogs in the Prevention of *Clostridium difficile* Infection

Honorable Mention  
Moinak Bhaduri, Department of Mathematical Sciences. **Abstract Title:** On Consequences of Time Reversal for Repairable Systems

Honorable Mention  
Michael Isaacs, School of Life Sciences. **Abstract Title:** Determining the Change in Mechanical Cost of Transport for Stiffer Heel Springs on a Foot-Ankle Prosthesis

**Science and Engineering Platform Session C: Student Union Room 208A**

1st place  
Chao Chen, Department of Civil and Environmental Engineering and Construction. **Abstract Title:** Development of a Groundwater Flow Model for Coupling with a Hydrologic Model

2nd place  
Holly Martin, School of Life Sciences. **Abstract Title:** The Stress Response in *Staphylococcus aureus* as Influenced by the DNA Repair Protein, Mfd
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Science and Engineering Platform Session C: Student Union Room 208A (continued)
Honorable Mention  Kazi Tamaddun, Department of Civil and Environmental Engineering and Construction. Abstract Title: Correlation between the Western U.S. Snow Water Equivalent and the Pacific Ocean Climate Variability

Honorable Mention  Qi Shen, Department of Mechanical Engineering. Abstract Title: On the Shape Memory Polymer-Metal Composite Bio-Mimetic Actuator: Multi-Input Control

Social Science Platform Session A: Student Union Room 208B
1st place  Andrew Murtishaw, Department of Psychology. Abstract Title: The Effects of Insulin Impairment in CX3CR1 Knockout Mice on Alzheimer's Disease Pathology

2nd place  Sarah MacIntosh, Department of Anthropology. Abstract Title: Is There a Correlation between Sociopolitical Organization and Bone, Antler, and Ivory Technology?: Preliminary Data from the Central Anatolian Bronze and Iron Age site Kaman-Kalehöyük

Honorable Mention  Bern Lee, Department of Psychology. Abstract Title: [F-18]FDDNP Uptake, Neurocognition, and Number of Fights in Professional Boxers and MMA Fighters

Honorable Mention  Katelyn DiBenedetto, Department of Anthropology. Abstract Title: Land and Water Management by Cyprus' First Farmers

Social Science Platform Session B: Student Union Room 208C
1st Place  Marta Soligo, Department of Sociology. Abstract Title: Las Vegas’ Mob Museum

2nd Place  Tyler Snelling, Department of Communication Studies. Abstract Title: An ELF in the Political Woods: Examining the Guilt of Eco-Terrorists

Honorable Mention  Erin Sullivan, Marriage and Family Therapy Program. Abstract Title: Religion and Sex Therapy: Constraints and Solutions in Providing Religiouly-Sensitive Treatment for Couples

Honorable Mention  Jiabao Zhang, School of Social Work. Abstract Title: Experiences and Perceptions of Asian and Pacific Islander Social Work Students in the United States
Social Science and Hotel Platform Session C: Student Union Room 209
1st Place  Bridget Kelly, Department of Criminal Justice. Abstract Title: Using the Youth Assessment and Screening Instrument to Identify Traumatic History for Risk Classification and Case Management

2nd Place  Erika Masaki, Department of Political Science. Abstract Title: Reserved Cooperation: Participation in Multilateral Environmental Agreements

Social Science Platform Session D: Student Union Room 211
1st Place  Michael Trevathan, Department of Political Science. Abstract Title: Crossing the Rubicon: Investigating the Linkages between Water Scarcity and Civil Conflict

2nd Place  Jonathan Birds, School of Public Policy and Leadership. Abstract Title: Understanding Place Function, Openness, and Crime

Honorable Mention  Breanna Boppre, Department of Criminal Justice. Abstract Title: The Applicability of the Gendered Pathways Perspective towards Understanding Black Women's Experiences: A Path Analytic Approach

Honorable Mention  Wilisha Daniels, School of Public Policy and Leadership. Abstract Title: Military Transitioning Programs and Civilian Life Preparedness: A Phenomenological Study about the Process of Transitioning out of the Military and into the Civilian Life

Education Platform Session A: Student Union Room 213
1st Place  Rachel Part, Department of Educational Psychology & Higher Education. Abstract Title: Establishing the Invariant Natures and Exploring the Variable Relations of Value and Cost

2nd Place  Marissa Nichols, Department of Educational Psychology & Higher Education. Abstract Title: An Examination of Differences in Division I FBS Student-Athlete Academic and Athletic Performance based on Internal Factors

Honorable Mention  Elena Seymana Nourrie, Department of Educational Psychology & Higher Education. Abstract Title: The Indian Relocation Program and Students' Sense of Belonging

Honorable Mention  Refika Turgut, Department of Teaching & Learning. Abstract Title: Investigating How Linguistically Responsive Teaching Looks Like in a Real Course Setting with Preservice Teachers
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Humanities & Fine Arts Platform Session A: UNLV Student Union Room 218
1st place Dafne Guevara, Department of Music. Abstract Title: The Consummate Flutist: A Growing Experience

2nd place Phillip Harris, Department of Music. Abstract Title: The Importance of Studying Black American Art Songs

Honorable Mention Holly Lay, Department of Art. Abstract Title: Digitizing the Case Study: Middletown Studies

Honorable Mention Diogo Ferreira Rocha Ferreira, Department of Music. Abstract Title: International Clarinet Competition, Ghent

Poster Sessions

Science and Engineering Poster Session A: UNLV Student Union Ballroom
1st Place Matin Pirouz Nia, Department of Computer Science. Abstract Title: Node Reduction in Personalized Page Rank Estimation for Large Graphs

2nd Place Robabeh Jazaei, Department of Civil and Environmental Engineering and Construction. Abstract Title: Investigation of Nano Cementitious Composite Incorporating with Single-Walled, Multi-Walled, and Hybrid Carbon Nano-Tubes

Honorable Mention Syeda Saria Bukhary, Department of Civil and Environmental Engineering and Construction. Abstract Title: Using Solar to Meet Energy Requirements of a Drinking Water Treatment Plant

Honorable Mention Lynnette Kogler, Department of Chemistry. Abstract Title: The Use of Solution-Processed Organic Materials in Printable Electronics

Science and Health Science Poster Session B: UNLV Student Union Ballroom
1st Place Scott Thomas, School of Life Sciences. Abstract Title: Physiologically Diverse, Deeply Branching Bacterial phylum Chloroflexi

2nd Place Steven McDaniel, School of Dental Medicine. Abstract Title: Oral Microbial Ecology of Scardovia wiggsiae and Selemonas noxia
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Science and Health Science Poster Session B: UNLV Student Union Ballroom (continued)
Honorable Mention Kendell Galor, Department of Kinesiology and Nutrition Sciences. Abstract Title: Cervical Stabilization and Equipment Removal in Collegiate Ice Hockey

Honorable Mention Brock Nelson, School of Dental Medicine. Abstract Title: Dental Pulp Stem Cell (DPSC) Biomarker Expression of Oct4 and Sox-2 May Be Associated with Changes to Cellular Viability Following Cryopreservation

Honorable Mention Nicole Millick, Department of Chemistry. Abstract Title: Faculty and Graduate Student Perceptions of Factors that Contribute to the Success of an Interdisciplinary Collaboration Focused on Bridging the Educational Research Practice Gap: The ChANgE Chem Project

Science and Health Science Poster Session C: UNLV Student Union Ballroom
1st Place Justin Orton and Richard Foote, School of Dental Medicine. Abstract Title: Indoleamine2,3-Dioxygenase and Tryptophan Dioxygenase Enzymes are Actively and Differentially Expressed in Oral Cancers

2nd Place Jeffrey Montes, Department of Kinesiology and Nutrition Sciences. Abstract Title: Energy Expenditure and Step Count Analysis of the FitBit flex Activity Tracker

Honorable Mention Kristyne Wiegand, Department of Kinesiology and Nutrition Sciences. Abstract Title: The Effect of Small Perturbations in Running Velocity on Measures of Coordination Variability

Science and Health Science Poster Session D: UNLV Student Union Ballroom
1st Place Elizabeth Tanner, Department of Kinesiology and Nutrition Sciences. Abstract Title: Validation of Hexoskin Biometric Shirt to Cosmed k4b2 Metabolic Unit in Adults during Rail Running

2nd Place Satyaprasad Nayak, School of Dental Medicine. Abstract Title: Evaluate Genetic Factors Influencing External Apical Root Resorption in Patient with No Previous History of Orthodontic Treatment

Science and Health Science Poster Session E: UNLV Student Union Ballroom
1st Place Jillian Socea, School of Life Sciences. Abstract Title: Subcellular Localization of VirB, a Transcription Factor Essential for Virulence in Shigella flexneri
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Science and Health Science Poster Session E: UNLV Student Union Ballroom (continued)

1st Place Joanna Shen, School of Dental Medicine. Abstract Title: All-Trans Retinoic-Acid (ATRA) effects on Dental Pulp-Derived Stem Cells (DPSC)

2nd Place Madeline DiPaolo and Devon McClurg, School of Dental Medicine. Abstract Title: Cytotoxic Effect of Local Anesthetics on Gingival Fibroblasts

Honorable Mention Jeffrey Eggleston, Department of Kinesiology and Nutrition Sciences. Abstract Title: Influence of a Weighted Backpack and Weighted Vest on Gait Kinematics in Children with Autism Spectrum Disorder

Honorable Mention Skyler Sudweeks and Jayson McLaren, Department of Physical Therapy. Abstract Title: Acute Effects of Walking on the Deformation of Femoral Articular Cartilage of the Knee

Social Science Poster Session A: UNLV Student Union Ballroom

1st Place Julia Hussey and Nia Paul, Department of Psychology. Abstract Title: Executive Functions Predict Social Cognition in Adolescents with Traumatic Brain Injury

2nd Place Leiszle Lapping-Carr, Department of Psychology. Abstract Title: Inner Experience while Reading an Erotic Short Story

Honorable Mention Cheryl Anderson, Department of Anthropology. Abstract Title: Suicide Trends in Clark County Nevada: A Comparison of Recession and Post-Recession Years

Honorable Mention Mary Baggio, Department of Psychology. Abstract Title: Event-Related Potentials during Face Processing of Interpersonal Psychopathy Factors

Honorable Mention Caryn Tegtmeyer, Department of Anthropology. Abstract Title: The Impact of the Economic Hardship and Recession on Homicides in Clark County, NV

Social Science Poster Session B: UNLV Student Union Ballroom

1st Place Yulia Gavrilova and Marina Galante, Department of Psychology. Abstract Title: Controlled Evaluation of a Method of Recruiting Participants into Treatment Outcome Research
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Social Science Poster Session B: UNLV Student Union Ballroom (continued)
2nd Place  William Willis, Department of Anthropology. Abstract Title: Spatial-Temporal Distribution of Prehistoric Puebloan Settlements and Ceramic Wares on the Shivwits Plateau
Honorable Mention  Ashley Emami, Department of Psychology. Abstract Title: The Comprehensive Trail Making Test (CTMT)
Honorable Mention  Olivia Tuttle, Department of Criminal Justice. Abstract Title: International Responses to Human Trafficking: A Comparative Secondary Data Analysis of National Characteristics

Social Science Poster Session C: UNLV Student Union Ballroom
1st Place  Kathleen Larson, Department of Psychology. Abstract Title: Working Memory Spatial Span Tests and Phonological Similarity Effects
2nd Place  Shon Reed and Kelly Stout, Department of Criminal Justice. Abstract Title: Hidden Victims: Expanding Research around Victims of Sex Trafficking
Honorable Mention  Sarah Hechter, Marriage and Family Therapy Program. Abstract Title: Cultural Exchange Trip in Marriage & Family Therapy
Honorable Mention  Carrie Underwood, Department of Psychology. Abstract Title: Redefining Tradition: Generational Differences in Same-Sex Couples’ Surname Decisions

Social Science and Hotel Poster Session D: UNLV Student Union Ballroom
1st Place  Cecelia Gonzalez, Department of Criminal Justice. Abstract Title: Gender Differences in College Dating Violence
2nd Place  Miliakeala Heen, Department of Criminal Justice. Abstract Title: Reactions to the Video Vanguard: Individual Differences and Receptivity to Police Use of Visual Monitoring Technology
Honorable Mention  Stephanie Kaplan, Department of Criminal Justice. Abstract Title: Government and Private Agencies to Engage in Surveillance Practices in Order to Combat Terrorism
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Social Science and Fine Arts Poster Session E: UNLV Student Union Ballroom

1st Place  Amaya Worthem, School of Journalism and Media Studies. **Abstract Title:** Broadcast News Directors’ Perceptions of Race: A Survey of Psychological and Sociological Measures

2nd Place  Jocelyn Apodaca, School of Journalism and Media Studies. **Abstract Title:** True Self and the Uses and Gratifications of Instagram among College-Aged Users

Honorable Mention  Janelle Evans and Ryan Fowler, Department of Film. **Abstract Title:** Animation: A Microcosm of Culture and Technology

Education Poster Session A: UNLV Student Union Ballroom

1st Place  Lucie Vosicka, Department of Educational Psychology & Higher Education. **Abstract Title:** How Precisely Do Logged Events Represent Students’ Learning Processes?: Aligning Students’ Reports with Resource Use

2nd Place  Erdogan Kaya, Department of Teaching & Learning. **Abstract Title:** Introducing Engineering Design to an Elementary Science Teaching Methods Course through Educational Robotics and Exploring Changes in Pre-service Elementary Teachers’ Nature of Engineering Views

Honorable Mention  Celeste Calkins and Manognya Murukutla, Department of Educational Psychology & Higher Education. **Abstract Title:** Are There Benefits to Combining Social and Cognitive Writing Interventions?: A Mixed Methods Investigation

Honorable Mention  Rebecca Gates, Department of Educational Psychology & Higher Education. **Abstract Title:** A Comparative Case Study of Campus Climate at Two MSIs