

Graduate & Professional Student Research Forum 2017 Outstanding Presentation Awards

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



Graduate & Professional Student Research Forum 2016 Outstanding Presentation Awards

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 Religiously-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



Graduate & Professional Student Research Forum 2017 Outstanding Presentation Awards

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 Nourie, 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

1 st place	Dafne Guevara, Department of Music. Abstract Title: The Consummate Flutist: A Growing Experience
2 nd 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

1 st Place	Matin Pirouz Nia, Department of Computer Science. Abstract Title: Node Reduction in Personalized Page Rank Estimation for Large Graphs
2 nd 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	Lynette 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

1 st Place	Scott Thomas, School of Life Sciences. Abstract Title: Physiologically Diverse, Deeply Branching Bacterial <i>phylum Chloroflexi</i>
2 nd Place	Steven McDaniel, School of Dental Medicine. Abstract Title: Oral Microbial Ecology of <i>Scardovia wiggsiae</i> and <i>Selemonas noxia</i>



Graduate & Professional Student Research Forum 2017 Outstanding Presentation Awards

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*



Graduate & Professional Student Research Forum 2017 Outstanding Presentation Awards

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 McClaren, 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



Graduate & Professional Student Research Forum 2017 Outstanding Presentation Awards

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