



Graduate & Professional Student Research Forum 2015 Outstanding Presentation Awards

Platform Sessions

Science Platform Session A: Room 205

- 1st place Jenni Kumanchik, Department of Kinesiology and Nutrition Sciences. **Abstract Title:** Acute Effects of Dynamic Compression on Heart Rate Variability and Peak Heart Rate while Running
- 2nd place Alicia Crespín, School of Life Sciences. **Abstract Title:** Analyzing Caterpillar-Ant Interactions in Three Butterfly Species of the Mojave Desert: Are Caterpillars Buying Protection or Appeasing Potential Predators?
- Honorable Mention Alexis Crisp, School of Life Sciences. **Abstract Title:** A Tubular 3D Force Analysis of Kangaroo Rat Burrowing

Science Platform Session B: Room 207

- 1st place Kenneth Watanabe, School of Life Sciences. **Abstract Title:** Tiling Assembly: A New Tool for Reference Annotation Independent Transcript Assembly and Novel Gene Identification by RNA-Sequencing
- 2nd place Michael Picker, School of Life Sciences. **Abstract Title:** DNA Twisting and VirB: Mechanistic Insight into a DNA Binding Protein Essential for Virulence in the Human Pathogen *Shigella flexneri*
- Honorable Mention Andrew Nordin, Department of Kinesiology and Nutrition Sciences. **Abstract Title:** Minimalist vs. Cushioned Running Shoes: Impact Loads Vary with Foot-Strike Pattern
- Honorable Mention Amanda Prisbrey, School of Life Sciences. **Abstract Title:** Development of Competence Leads to Mutagenesis in Stressed *Bacillus subtilis* Cells

Science and Engineering Platform Session C: Room 208A

- 1st place Jonathan Baker, Department of Geoscience. **Abstract Title:** Building Better Climate Models: When Caves and Computers Collaborate
- 2nd place Sara Gedo, Department of Geoscience. **Abstract Title:** Influence of *Larrea tridentata* on Chloride Concentration in Shallow Desert Soils

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Humanities and Fine Arts Platform Session A: Room 208B

- 1st place Aurora Brackett, Department of English. **Abstract Title:** Hartford, Connecticut 1900: The Story of a Suicide
- 2nd place Kayla Miller, Department of English. **Abstract Title:** John Wayne in Spain
- Honorable Mention Derek Pollard, Department of English. **Abstract Title:** The Poem as Plastic Art: Mina Loy's "Brancusi's Golden Bird"
- Honorable Mention Rebecca Robison, Department of English. **Abstract Title:** Society of Children's Book Writers and Illustrators Conference

Social Science Platform Session A: Room 208C

- 1st place Katelyn DiBenedetto, Department of Anthropology. **Abstract Title:** Rafts (or floats?) 'Ahoj: Documenting Animal Transportation to Cyprus during the Pre- and Early Neolithic
- 2nd place Monica Bolton, Department of Psychology. **Abstract Title:** Interactions of Behavioral Training and Ketamine Administration on Changes in Parvalbumin Positive Neurons
- Honorable Mention Kimberly Claudat, Department of Psychology. **Abstract Title:** Social Physique Anxiety, Body Surveillance, Ethnic Identity and Bulimic Symptoms among Mexican American Women
- Honorable Mention Antoinette Izzo, Department of Anthropology. **Abstract Title:** Identity as a Predictor of Affective Responses in Polyamorous and Monogamous Individuals

Social Science Platform Session B: Room 209

- 1st Place Liya Rakhkovskaya, Department of Psychology. **Abstract Title:** Ethnic and American Identity as Correlates of Eating Pathology in College Women
- 2nd Place Shelly Volsche, Department of Anthropology. **Abstract Title:** Is the Romantic/Sexual Kiss a Human Universal?
- Honorable Mention Michael Moncrieff, Department of Psychology. **Abstract Title:** A Natural History of the Drag Queen Phenomenon
- Honorable Mention Jessica E. Nave-Blodgett, Department of Psychology. **Abstract Title:** Do People Hear Multiple Levels of Metrical Hierarchies in Music?

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Social Science Platform Session C: Room 211

- 1st Place Christina Vanden Bosch der Nederlanden, Department of Psychology. **Abstract Title:** Categorizing Speech and Song in Childhood and Adulthood
- 2nd Place Aaron Woods, Department of Anthropology. **Abstract Title:** Evaluating Land Use in the Mojave Sink: Survey Data from Afton Canyon, San Bernardino County, California
- Honorable Mention Stefanie Moynihan, Department of Psychology. **Abstract Title:** Inner Experience during Marathon Running
- Honorable Mention Sarah MacIntosh, Department of Anthropology. **Abstract Title:** The Social Consequences of Technological Change: Archaeological Case Studies from the Pre-Pottery Neolithic a Period to the Middle Bronze Age period in the Near East

Social Science and Law Platform Session D: Room 213

- 1st Place Jonathan Birds, School of Environmental and Public Affairs. **Abstract Title:** Profiling Proximal Places: How Street Segment Crime Signature Analysis Can Inform Theory and Practice
- 2nd Place Keivan Roebuck and Craig Friedel, William S. Boyd School of Law. **Abstract Title:** “Assembly Line of Broken Fingers”: A Roadmap to Combating Occupational Health and Safety Hazards in the Manesar Auto Industrial Belt
- Honorable Mention Al Gourrier, School of Environmental and Public Affairs. **Abstract Title:** Classification of Metropolitan Communities as a Function of Population and Job Shifts
- Honorable Mention Colby Miyose, Department of Communication Studies. **Abstract Title:** Unrealistic Weeds of Love and Romance: The Korean Drama and the “Flower Boy” Genre

Social Science Platform Session E: Room 218

- 1st Place Rafael Oganessian, Department of Political Science. **Abstract Title:** Economic Perceptions and Presidential Trust in the Caucasus
- 2nd Place Tyler Schafer, Department of Sociology. **Abstract Title:** Miracle in the Mojave: Miracle in the Mojave: Everyday Religion and the Sacralization of Urban Space
- Honorable Mention Lauren Galloway, Department of Sociology. **Abstract Title:** Love, Marriage, and Movies

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Social Science Platform Session F: Room 219

- 1st Place Michael Trevathan, Department of Political Science. **Abstract Title:** Post-Cold War Era Ethnic Civil Wars.
- 2nd Place Allison Sahl, Department of Sociology. **Abstract Title:** Housework and Employment: Trends Before, During, and After the 2007 U.S. Economic Recession
- Honorable Mention Breanna Boppre, Department of Criminal Justice. **Abstract Title:** Probation and Parole Officer Attitudes toward Evidence-Based Practices: Application and Modification of the Evidence-Based Practices Attitudes Scale (EBPAS)
- Honorable Mention Jennifer Whitmer, Department of Sociology. **Abstract Title:** Producing Authenticity: Personal Style Bloggers, Branding, and Cultural Intermediaries

Education Platform Session A: Room 222

- 1st Place (tie) Elif Adibelli and Refika Turgut, Department of Teaching & Learning. **Abstract Title:** Factors for Changing Preservice Teachers' (PSTs) Knowledge, Attitudes, and Beliefs regarding Second Language Acquisition (SLA) and English Language Learners (ELLs)
- 1st Place (tie) Caitlin Saladino, Department of Educational Psychology & Higher Education. **Abstract Title:** Community College Transfer in Southern Nevada: An Investigation of Policy and Outcomes.
- Honorable Mention Laura Decker, Department of Teaching & Learning. **Abstract Title:** Teaching Positive Images of Disability in Native American Young Adult Literature
- Honorable Mention Christina Santoyo, Department of Teaching and Learning. **Abstract Title:** A Case Study of Social Justice Education in a General Methods Course

Poster Sessions

Science and Engineering Poster Session A: Ballroom

- 1st Place Ali Pour Yazdanpanah, Department Electrical and Computer of Engineering. **Abstract Title:** Computed Tomography
- 2nd Place Samad Gharehdaghimollahajloo, Department of Mechanical Engineering. **Abstract Title:** Experimental Measurement of the Pressure Drop in the Flexible Ducting System

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Science and Engineering Poster Session A: Ballroom (cont.)

- Honorable Mention Iani Batilov, Department of Civil and Environmental Engineering and Construction. **Abstract Title:** Sulfate Resistance of Nano Silica and Micro Silica Contained Mortars
- Honorable Mention Courtney L. Bartlett, Department of Geoscience. **Abstract Title:** Phosphate Release: The Effect of Prebiotic Organic Compounds on Dissolution of Mars-Relevant Phosphate Minerals

Science and Engineering Poster Session B: Ballroom

- 1st Place Sichu Shrestha, Civil and Environmental Engineering and Construction. **Abstract Title:** Can Industrial Wastewater (Unilever, Ocean Spray and Biodiesel) Generated in Nevada be used as Carbon Source in Place of Conventional Carbon Sources to Treat Groundwater Contaminant-Perchlorate?"
- 2nd Place (tie) Emily Siska, Department of Chemistry. **Abstract Title:** Novel Radionuclide Wasteforms Prepared Under Pressure
- 2nd Place (tie) Candace Suh-Lee, Department of Computer Science. **Abstract Title:** Quantifying Security Risk of Network Vulnerability by Risk Conditions
- Honorable Mention Michael Steiner, Department of Geoscience. **Abstract Title:** Dissolution of Nontronite in Low Water Activity Brines and Implications for the Habitability of Mars

Science and Health Science Poster Session C: Ballroom

- 1st Place Michelle Farnoush, School of Dental Medicine. **Abstract Title:** Melatonin (MLT) Supplementation Reveals Differential Receptor Effects in Oral Carcinomas
- 2nd Place Ecsile Chang, School of Dental Medicine. **Abstract Title:** Oral Prevalence of Fusobacterium Nucleatum Reveals Age-Related Colon Cancer Risks
- Honorable Mention Kristyne Bartel, Department of Kinesiology and Nutrition Sciences. **Abstract Title:** Relationship between Resistance Band Tension and Muscle Activity during Use of a Hip Exercise Device
- Honorable Mention Jessica Dick, School of Dental Medicine. **Abstract Title:** Analysis of Gender-Specific Differences in Oral Melatonin Receptor Expression
- Honorable Mention Cindy Lee-Tataseo, Department of Health Care Administration and Policy. **Abstract Title:** Review of IRB processes and metrics for IRB review at UNLV
- Honorable Mention Kit Wilkinson, School of Life Sciences **Abstract Title:** Instrumental Beam for Measurement of Six Axis Forces and Torques in Grasping Arboreal Vertebrates

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Science and Health Science Poster Session D: Ballroom

- 1st Place Katelyn Porter, School of Life Sciences. **Abstract Title:** The Role of Mfd in Oxidative Damage Repair
- 2nd Place John Silvaroli, School of Dental Medicine. **Abstract Title:** Correlation between Folate Supplementation and the Proliferation and Survival of Oral Squamous Cell Carcinomas
- Honorable Mention Brady Petersen, School of Dental Medicine. **Abstract Title:** Exosome Analysis: Isolation of Oral Squamous Cell Carcinoma MicroRNA in Culture
- Honorable Mention Alexa Standerfer, Department of Physical Therapy. **Abstract Title:** The Effects of Locomotion-Induced Shock Loading on Tibiofemoral Bone Stress Injury

Social Science and Law Poster Session A: Ballroom

- 1st Place Stacy Newman, Lindsay Liddell and Katerina Chadliev, William S. Boyd School of Law. **Abstract Title:** “Bonded Tenancy”- International Human Rights Framework
- 2nd Place Miliiaikeala Heen, School of Environmental Studies and Public Affairs. **Abstract Title:** Putting the Microscope on Crime Labs: The Effects of Evidence Complexity and Laboratory Type on Jurors’ Perceptions of Forensic Evidence
- Honorable Mention Logan Kennedy, Department of Criminal Justice. **Abstract Title:** Policing Political Protest Events: Risks and Challenges
- Honorable Mention Carrie Sampson, School of Environmental Studies and Public Affairs. **Abstract Title:** Expanding Educational Opportunity and Equity for English Learners: The Role of School Boards in the U.S. Mountain West

Social Science Poster Session B: Ballroom

- 1st Place Chelcie F. Heaney, Department of Psychology. **Abstract Title:** GABAB Ligand Dose-Dependent Changes in Spatial Learning and Hippocampal GABAergic and Plasticity Proteins
- 2nd Place Timothy McHale, Department of Anthropology. **Abstract Title:** Steroid Hormone Change in Response to Competition in Juvenile Boys
- Honorable Mention Andrea Kayl, Department of Psychology. **Abstract Title:** The Dynamics of Infants’ Interest in Female and Male Faces: A Recurrence Quantification Analysis
- Honorable Mention Amy J. McAuley, Department of Psychology. **Abstract Title:** It's All About the Timing: Investigating the Self-Report of Math Anxiety

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Social Science Poster Session C: Ballroom

- 1st Place David Weintraub, Department of Psychology. **Abstract Title:** Effects of Speech Rate Context on Speech Comprehension
- 2nd Place Caryn Tegtmeyer, Department of Anthropology. **Abstract Title:** The Elite's War: Violence and Social Coercion at Chaco Canyon and Casas Grandes (AD 900-1400)
- Honorable Mention Diana Ewing, Department of Anthropology. **Abstract Title:** Arctic Clothing Construction: A Women's Adaptive Technology
- Honorable Mention Mandy Walsh, Department of Psychology. **Abstract Title:** The Effects of Gender and Cost on Suspicion: An Evolutionary Perspective

Education Poster Session A: Ballroom

- 1st Place Jennifer S. Guttman, Department of Educational Psychology & Higher Learning. **Abstract Title:** A Bayesian Scale to Measure the Big-5 Personality Traits
- 2nd Place Cynthia Clark, Department of Teaching & Learning. **Abstract Title:** Teacher Candidate Technology Integration: For Student Learning or Instruction?
- Honorable Mention Rachel Part, Department of Educational Psychology and Higher Education. **Abstract Title:** I See You: Comparing the Effect of Asynchronous and Synchronous Video versus Text Based Communication in an Online Teacher Education Course
- Honorable Mention Abeera P. Rehmat, Department of Teaching & Learning. **Abstract Title:** The Earlier the Better: Teacher Beliefs about Design, Engineering, and Technology Instruction

Fine Arts Poster Session A: Ballroom

- 1st Place Kyle Fischer, School of Architecture. **Abstract Title:** Tower-on-base Alternatives Driven by Urban Theory Help to Improve Community Integration
- 2nd Place Wendy Chambers, Department of Art. **Abstract Title:** Transformations of Flesh in Oil Paint
- Honorable Mention Audrey Barcio, Department of Art. **Abstract Title:** Infinite Reflection
- Honorable Mention Shelbi Schroeder, Department of Art. **Abstract Title:** Instax Body Project