



**2020 Research Day  
Research Excellence Award Finalist Listing**

**GRADUATE**

**Graduate Oral Humanities & Arts**

**Analyce Gonzalez**

*Gangsta Rap Lyrics in the United States Criminal Justice System: Lyrical Literalism V.S. Lyrical Artistry*

Faculty Sponsor: Jittapim Yamprai

**Graduate Oral Natural Sciences**

**Victoria Flores**

*The Effect of Cancer-Related Treatment on Fitness, and Mental and Neural Health in Cancer Survivors Enrolled in an Exercise Program*

Faculty Sponsor: Laura Stewart

**Karina Sanchez**

*Measuring the effects of noise, light, and landscape composition on a common backyard bird; the American Robin (*Turdus migratorius*).*

Faculty Sponsor: Lauryn Benedict

**Aspen King**

*Examining the effects of aryl hydrocarbon receptor activation on gut immune responses*

Faculty Sponsor: Gregory DeKrey

## Graduate Oral Social Sciences, Education, Business

### **Samantha Qualkenbush**

*Adverse Childhood Experiences: The Influence of Poly-Victimization on Adolescent Delinquency and Adult Criminality*

### **Emily Royse**

*Science identity, transformative experiences, and cell biology content intersections in undergraduate Anatomy and Physiology*

Faculty Sponsor: Emily Holt

### **Sofia Softas-Nall**

*An Empirical Study on Chronic Illness: Implications for Counseling*

## Graduate Poster Natural Sciences

### **Bridget Doe**

*Evaluating changes in reactive oxygen species (ROS) as a plausible mechanism underlying the effect of noise on dopamine release*

Faculty Sponsor: Aaron Apawu

### **Michael Franklin**

*Synthesis and Characterization of Hydrophilic Ionic Liquids: Dissolution and Modification of Brown Coal (Lignite)*

Faculty Sponsor: Hua Zhao

### **Nicholas Harman; Nathaniel Croteau**

*Phase Angle Adaptation to Exercise Training in Cancer Patients Undergoing Treatment*

Faculty Sponsor: Reid Hayward

### **Brandi Peroney**

*Cardiac Arrest Following Sternotomy - Changing the Norm*

Faculty Sponsor: Marcia Patterson

### **Patrick Wilson**

*Electroanalytical Tools and Biochemical Assays to Measure the Impact of Noise on Dopamine Neurotransmission in the Central Auditory Pathway*

Faculty Sponsor: Aaron Apawu

## Graduate Poster Social Sciences

**Nathaniel Burrow**

*Safety Net: A Police-Mental Health Approach to Social Justice*

**Zachary McCarver; Kolton Vinzant**

*The Relationship between Motivation for and Engagement in Good and Poor Behavior in Youth Ice Hockey*

## Graduate Poster Humanities & Arts

**Crystal Zhen**

*SMALL UNIVERSE: EXPLORING MICROORGANISMS IN WATER FROM AN ARTISTIC PERSPECTIVE*

Faculty Sponsor: Anna Ursyn

**Rachel Washam**

*Joint Endeavor*

## UNDERGRADUATE

### Undergraduate Oral Humanities

**Kimberly Herrera**

*The importance of arts in the Civil Rights Movements*

Faculty Sponsor: Enrique Bernales Albites

**Kaylee Peterson**

*Ni Una Menos: a Latin American feminist movement*

Faculty Sponsor: Enrique Bernales Albites

**Benjamin Simon**

*Star Trek: Voyager & Distancia de Rescate: a mix of conventions and the fight against the unknown*

Faculty Sponsor: Enrique Bernales Albites

## Undergraduate Oral Natural Sciences

### Isabella Aspromonte

*Activation of the Aryl Hydrocarbon Receptor: an Analysis of 2,3,7,8-Tetrachlorodibenzo p-dioxin Dose-Response on Antigen-Specific Antibody*

Faculty Sponsor: Gregory DeKrey

### Erin Munder

*Transformation of Humulone by UV-Visible Spectroscopy with Introduction of Magnesium*

Faculty Sponsor: Michael Mosher

### Brittany Ross

*The Drug and Alcohol Awareness Training: A Peer-led Harm Reduction Approach*

Faculty Sponsor: Grace Turner

## Undergraduate Oral Social Sciences

### Kaitlin Erpenbeck

*Yikes! ,Äi Spider Targets Interfere with Task Completion*

Faculty Sponsor: Joanna Lewis

### Kerigan Flynn

*CHILDHOOD EMOTIONAL ABUSE IN RELATION TO DSM DISORDERS*

Faculty Sponsor: Rosann Ross

### Nathan Olin

*Perceptions of Police Self- Legitimacy in the Rocky Mountain Region of the United States*

Faculty Sponsor: Kyle Ward

## Undergraduate Poster Natural Sciences

### Shannon Baughman

*The effects of IL-22 on MDSC recruitment in mouse 4T1 mammary carcinoma model*

Faculty Sponsor: James Haughian

### Branden Lawson

*The Birds and the Trees*

Faculty Sponsor: Lauryn Benedict

### Theresa Schwartz

*Determining Dietary Niche in Primates Using Portable X-Ray Fluorescence*

Faculty Sponsor: Marian Hamilton

**Brandon Selz**

*Migration Pattern Dynamics during Choroid Fissure Closure in Zebrafish*

Faculty Sponsor: Andrea James

**Michael Viereckl**

*The Role of Creatine Supplementation in Alleviating Doxorubicin Induced Hepatotoxicity*

Faculty Sponsor: Yuyan Han

**Bryce Ward**

*Altitudinal Migration Patterns and Hibernation Activity in Colorado Bats*

Faculty Sponsor: Rick Adams

**Undegraduate Poster Humanities**

**Shaelyn Fritzler**

*The Hunger Games and the Gen Z Revolution*

Faculty Sponsor: Kristin Bovaird-Abbo

**Dylann Leal**

*Keen for the Dead: Women's Roles in Irish Funerals*

Faculty Sponsor: Jiacheng Liu

**Cooper Newton**

*Kingdom Hearts: An Unusual Crossover of American and Japanese Cultures*

Faculty Sponsor: Kristin Bovaird-Abbo

**Lisa O'Connor**

*The Intersections of Math, Art, and Identity*

Faculty Sponsor: Anna Ursyn

**Jorge Rubio**

*Bonus: A journey to masculinity*

Faculty Sponsor: Kristin Bovaird-Abbo

**Tiffany Witchard**

*Franglais: Acquired English words which fuel modern-day French speech*

Faculty Sponsor: Kristin Bovaird-Abbo

**Undegraduate Poster Social Sciences**

**Serena Bradford**

*Mobility and Loneliness in Active Duty Service Members*

Faculty Sponsor: Katherine O'Hara

**Jordan Fuselier**

*Initiating a New Perspective: The Prevalence, Perceptions, and Attitudes Towards Hazing Across Student Organizations on a College Campus*

Faculty Sponsor: Mary Evans

**Eduardo Maya**

*Measuring Iron Concentrations in Individuals with Cribra Orbitalia and Porotic Hyperostosis Using XRF*

Faculty Sponsor: Marian Hamilton

**Elsa Yehdego**

*The Manifestation of colonization across calendars in periphery countries*

Faculty Sponsor: Talia Carroll

**Mia Trojovsky**

*Psychopathy and Harm Avoidance as Mediators in the Pathway between Childhood Maltreatment and Adult Attachment Style*

Faculty Sponsor: Marilyn Welsh

**DEVELOPING SCHOLARS (1<sup>st</sup> & 2<sup>nd</sup> Year Students)**

**Finalist - Poster**

**Jade Brolly**

*How social media propels social movements*

Faculty Sponsor: Michael Graham

**David Janson**

*Hairy Ainu and Lost Aryans: Differing Perceptions of the Ainu as shown by the Osaka and Louisiana Purchase Expositions*

Faculty Sponsor: Jiacheng Liu

**Angie Kaufmann**

*Long Forgotten or Still Among us: The Influence of Modern Alchemy in The Name of the Wind*

Faculty Sponsor: Kristin Bovaird-Abbo

**Dani Magasano**

*Comprehensive Evaluation and Assessment of First-Year Experience Honors Courses to Promote Holistic Learning*

Faculty Sponsor: Angela Vaughan

**Alexis Simpson**

*'Come On Eileen' Behind The Scenes of Misheard Lyrics*

Faculty Sponsor: Kristin Bovaird-Abbo