



UNIVERSITY OF  
**NORTHERN  
COLORADO**

**2021 Research Day  
Research Excellence Award Finalist Listing**

**GRADUATE**

**Graduate Oral Natural & Health Sciences**

**Stephanie Halvorson, Danielle Ananea, Charlie Wright, Emily McDonald**

*Recommendations to improve UNC alcohol-use prevention and intervention programming using eCHECKUP TO GO and the Health Belief Model*

Faculty Sponsor: Rose Grose

**Brennen Karl**

*Tinnitus as an early warning sign of noise-induced hearing loss in industrial workers*

Faculty Sponsor: Deanna Meinke

**Lea Haverbeck**

*Exercise Preconditioning Preserves Cardiac Function and Recovery Following Dobutamine Stimulation in Doxorubicin-Treated Rat Hearts*

Faculty Sponsor: Reid Hayward

**Graduate Oral Social Sciences, Education, Business**

**Victoria Duncan**

*Reflections of self and curriculum: How we become inclusive STEM instructors*

Faculty Sponsor: Emily Holt

**Danielle Ananea**

*Using the Opioid Overdose Knowledge Scale and Opioid Overdose Attitudes Scale to Understand Student Opioid Response Knowledge Gaps at the University of Northern Colorado*

Faculty Sponsor: Elizabeth Gilbert

**Hoyoon Jung, Bomin Paek**

*Do Fans Care about Playoff Structure? The Impact of Playoff Format on Fan Demand in Major League Soccer*

Faculty Sponsor: Yoon Tae Sun

### **Graduate Poster Natural & Health Sciences**

**Brandon Jones**

*Creatine supplementation does not alter proliferation or Doxorubicin sensitivity of mammary carcinoma cells*

Faculty Sponsor: David Hydock

**Jacob Kisiolek**

*Cannabidiol Alters Chemotherapy Drug Effectiveness in A Cell Culture Model*

Faculty Sponsor: Laura Stewart

**Tyler Bennett**

*Systemic Mycorrhiza-Induced Resistance in Blackeyed Pea*

Faculty Sponsor: Susana Gomez

### **Graduate Poster Social Sciences, Education, Business**

**Michelle Gee**

*Influencers on the Choice of Nursing as a Career in Underrepresented Populations: An Integrative Review*

Faculty Sponsor: Kathleen Dunemn

**Jade Anderson, Sarah Karr, Julia Ybarra**

*The mediating effects of emotional self-efficacy on math anxiety and performance*

Faculty Sponsor: Molly Jameson

### **Graduate Poster Humanities & Arts**

**Brenna Timm**

*Don't Judge a Book by the Cover: The Evolution and Development of Book Cover Design in Children's Literature*

Faculty Sponsor: Kristin Bovaird-Abbo

## UNDERGRADUATE

### Undergraduate Oral Humanities & Arts

#### **Jasmine Poblano**

*Disrupting the Narrative: Chicana voices in MEChA on the University of Northern Colorado's Campus 1993-2000*

Faculty Sponsor: Dennis Aguirre

#### **Samuel Sherman**

*The Voice of Androgyny: A Gender Analysis of the Countertenor Within Opera*

Faculty Sponsor: Brian Luedloff

#### **Nathan Reich**

*Bilingual Education in Paraguay: An Oral Language in the Written Classroom*

Faculty Sponsor: Enrique Bernalesalbi

### Undergraduate Oral Natural & Health Sciences

#### **Shelby Brown**

*Understanding How High Levels of Noise Affect the Equine Auditory System*

Faculty Sponsor: Katie Bright

#### **Natalie Crouch**

*Western Rattlesnake Venom Components*

Faculty Sponsor: Stephen Mackessy

#### **Hunter Noel**

*HPLC Analysis of Illicit Drugs - Azithromycin and Amoxicillin*

Faculty Sponsor: Corina Brown

### Undergraduate Oral Social Sciences, Education, Business

#### **Gabriela Masztalerz**

*Accent Modification and Identity: A Phenomenological Study Exploring the Experiences of International Students and Immigrants/Refugees*

Faculty Sponsor: Christina Farrell

#### **Andrea White**

*How the Chameleon Effect Impacts Introverts and Extroverts in Social and Academic Settings*

Faculty Sponsor: Cassandra Bergstrom

#### **Jakob Coykendall**

*Exploring the Impacts of COVID-19 on LGBTQ+ Intimate Communication*

Faculty Sponsor: Darren Ilett

### **Undergraduate Poster Natural & Health Sciences**

**Brexton Cone**

*Cannabigerol Inhibits Cellular Senescence in Methionine-Choline Deficient Diet Induced Non-Alcoholic Steatohepatitis Mice Model*

Faculty Sponsor: Yuyan Han

**Amber Heidbrink, Quinn Cochran**

*Metacognitive prompting to foster evaluating skills for biochemistry students*

Faculty Sponsor: Melissa Weinrich

**Nicholas Harman, Arjun Ramani, Katie Kurz**

*Correlation between Lactate Accumulation and Subjective Measures of Fatigue in Active Cancer Patients*

Faculty Sponsor: Reid Hayward

### **Undegraduate Poster Humanities & Arts**

**Jasmine Poblano**

*Disrupting the Narrative: Chicana voices in MEChA on the University of Northern Colorado's Campus 1993-2000*

Faculty Sponsor: Dennis Aguirre

**Giovanni Esparza**

*"Jorgensen Enjoys Being Christine": Christine Jorgensen's Public Image and How It Shaped a Movement*

Faculty Sponsor: Joan Clinefelter

**Ryan McDaniel**

*The Sociology of Rivalry: Richard the Lionheart and Sultan Saladin*

Faculty Sponsor: Kristin Bovaird-Abbo

### **Undegraduate Poster Social Sciences, Education, Business**

**Bianca Ramos**

*Tu Lucha Es Mi Lucha: BIPOC Students, A Sense of Belonging in Higher Education*

Faculty Sponsor: Rebecca Beals

**Olivia Sponsler-Sanchez**

*Child Maltreatment, Depression, and Chronic Pain among College Students: An Exploratory Study*

Faculty Sponsor: Eric Peterson

**Danielle Belcher**

*The Effects of Uniforms on Youths' body Image in the Junior Lifeguard Program*  
Faculty Sponsor: Megan Stellino

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

**Finalist - Poster**

**Angie Kaufmann**

*What's in a Font: the Hidden Secrets of Society in Fonts*

Faculty Sponsor: Kristin Bovaird-Abbo

**Hannah Leloup, Elisabeth Kulesus**

*Preparation of Gold Nanoparticles in Novel Thioether-Functionalized Ionic Liquids*

Faculty Sponsor: Murielle Watzky

**Amy Chitkoksoong**

*Ocasio-Cortez: An American Feminist*

Faculty Sponsor: Enrique Bernalesalbi