



UNIVERSITY OF
**NORTHERN
COLORADO**

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

GRADUATE

Graduate Oral Natural & Health Sciences

WINNER:

Brennen Karl

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

Faculty Sponsor: Deanna Meinke

FINALISTS:

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

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

WINNER:

Victoria Duncan

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

Faculty Sponsor: Emily Holt

FINALISTS:

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

WINNER:

Brandon Jones

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

Faculty Sponsor: David Hydock

FINALISTS:

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

WINNER:

Michelle Gee

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

Faculty Sponsor: Kathleen Dunemmn

FINALISTS:

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

WINNER:

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

WINNER:

Samuel Sherman

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

Faculty Sponsor: Brian Luedloff

FINALISTS:

Jasmine Poblano

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

Faculty Sponsor: Dennis Aguirre

Nathan Reich

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

Faculty Sponsor: Enrique Bernales Albites

Undergraduate Oral Natural & Health Sciences

WINNER:

Shelby Brown

Understanding How High Levels of Noise Affect the Equine Auditory System

Faculty Sponsor: Katie Bright

FINALISTS:

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

WINNER:

Andrea White

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

Faculty Sponsor: Cassandra Bergstrom

FINALISTS:

Gabriela Masztalerz

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

Faculty Sponsor: Christina Farrell

Jakob Coykendall

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

Faculty Sponsor: Darren Ilett

Undegraduate Poster Humanities & Arts

WINNER:

Giovanni Esparza

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

Faculty Sponsor: Joan Clinefelter

FINALISTS:

Jasmine Poblano

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

Faculty Sponsor: Dennis Aguirre

Ryan McDaniel

The Sociology of Rivalry: Richard the Lionheart and Sultan Saladin

Faculty Sponsor: Kristin Bovaird-Abbo

Undergraduate Poster Natural & Health Sciences

WINNER:

Brexton Cone

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

Faculty Sponsor: Yuyan Han

FINALISTS:

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 Social Sciences, Education, Business

WINNER:

Danielle Belcher

The Effects of Uniforms on Youths' body Image in the Junior Lifeguard Program

Faculty Sponsor: Megan Stellino; Graduate Mentor: Danielle Wong

FINALISTS:

Bianca Ramos

Tu Lucha Es Mi Lucha: BIPOC Students' 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

DEVELOPING SCHOLARS (1st & 2nd Year Students)

Finalist - Poster

WINNER

Hannah Leloup, Elisabeth Kulesus

Preparation of Gold Nanoparticles in Novel Thioether-Functionalized Ionic Liquids

Faculty Sponsor: Murielle Watzky-Brewer

FINALISTS:

Amy Chitkoksoong

Ocasio-Cortez: An American Feminist

Faculty Sponsor: Enrique Bernales-Albites

Angie Kaufmann

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

Faculty Sponsor: Kristin Bovaird-Abbo