



UNIVERSITY OF
NORTHERN
COLORADO

2023 Research Day

April 6, 2023

Research Excellence Awards and Developing Scholars Finalists

Humanities, Arts, & Creative Endeavors

Humanities, Arts, & Creative Endeavors Graduate Oral Presentations

Andrew Moore, *One Positive Thought Produces Millions of Vibrations: The Use of the Coltranes as Archetypal Figures in Comparison*. Discipline: Music

Humanities, Arts, & Creative Endeavors Undergraduate Oral Presentations

Angie Kaufmann, *Language Dissected: An Exploration of the Understanding of Language and its Application to Tolkien's Elvish*. Discipline: English; Faculty Sponsor: Kristin Bovaird-Abbo

Samantha Heppenstall, *The Monsters We Made: Chainsaw Man's Mechanical Evil*. Discipline: English; Faculty Sponsor: Joseph Chaves

Humanities, Arts, & Creative Endeavors Undergraduate Poster Presentations

Dylan Dieterle, *The Effect of Music on Human Health and Well-being*. Discipline: Music; Faculty Sponsor: Chelsea Miller

Isioma Ugeh, *Has the Colonial Experience Impacted the Progress and Function of African Development Patterns?* Discipline: Anthropology; Faculty Sponsor: Alexis Hauck

Erica Chen, *Time to Shine a Light on Female Serial Killers* Discipline: Criminal Justice; Faculty Sponsor: Alexis Hauck

Natural & Health Sciences

Natural & Health Sciences Graduate Oral Presentations

Iris Grems, *The effect of a Health at Every Size-based educational intervention in undergraduate dietetic students*. Discipline: Dietetics; Faculty Sponsor: Katie Kage

Lea Haverbeck Simon, *Effect of Exercise Training on Circulating Cancer-Associated Immune Cells in Breast Cancer Patients*. Discipline: Kinesiology; Faculty Sponsor: Reid Hayward

Calvin Vick, *Characterization of Range Wide Venom Variation in the Arizona Black Rattlesnake (Crotalus Cerberus)*. Discipline: Biological Sciences; Faculty Sponsor: Stephen Mackessy

Natural & Health Sciences Undergraduate Oral Presentations

Bridger Menlove, *Therapeutic Effects of Cannabigerol via Alternative Macrophage Activation in NAFLD Mouse Model*. Discipline: Biological Sciences; Faculty Sponsor: Yuyan Han

Jess Cowie Kramer & Hannah Wilson, *Studying the effect of aryl hydrocarbon receptor activation on affinity maturation*. Discipline: Biological Sciences; Faculty Sponsor: Greg DeKrey

Natural & Health Sciences Graduate Poster Presentations

Veronica Adams, *“Students Need to Move to Learn”: Examining a School’s Culture that Promotes Physical Activity*. Discipline: Physical Education; Faculty Sponsor: Jennifer Krause

Curtis Davis & Kara Phillips, *Pilot Study Examining Wheel Running Activity of Offspring Of Puberty Blocked And Detransitioned Female Rats*. Discipline: Sport & Exercise Science; Faculty Sponsor: David Hydock

Francis Fasuyi & Tsung-Lin Lu, *Do Measures of Dynamic Stability Identify Instability Between More Challenging Gaits?* Discipline: Sport & Exercise Science; Faculty Sponsor: Abbie Ferris

Kara Phillips & Curtis Davis, *Effects of Detransition from Puberty Blocker Treatment on Wheel Running Activity in Adolescent Male Rats*. Discipline: Sport & Exercise Science; Faculty Sponsor: David Hydock

Tsung-Lin Lu & Francis Fasuyi, *Motion Tracking Methods: Can Magnetic Marker Attachment Improve upon Traditional Marker Attachment?* Discipline: Sport & Exercise Science; Faculty Sponsor: Abbie Ferris

Natural & Health Sciences Undergraduate Poster Presentations

Grace Doerner, *Long term Phenotyping of Primary Mast Cells*. Discipline: Biological Sciences; Faculty Sponsor: Nicholas Pullen

Indigo Peppard, *Creasing in Thick Hemispherical Shells as a Potential Model for Foveal Formation*. Discipline: Physics; Faculty Sponsor: Tyler Engstrom

Crystal Oubkeo, *X-ray Fluorescence Spectroscopy Analysis of Elemental Content of Snake Venoms*. Discipline: Chemistry; Faculty Sponsor: Aaron Apawu

Megan Ytzen, *Evaluating the Effects of Gonadotropin-Releasing Hormone Agonist on Liver Inflammation*. Discipline: Biological Sciences; Faculty Sponsor: Yuyan Han

Maya Pradhan & Sierra Clark, *Gonadotropin-releasing Hormone Treatment: Picro-Sirius Red Histology Staining for Liver Fibrosis*. Discipline: Biological Sciences; Faculty Sponsor: Yuyan Han

Social Sciences, Education, & Business

Social Sciences, Business, & Education Graduate Oral Presentations

Alex Harris, *The Effectiveness of the Weight Bias Module Presented in Principles of Nutrition*. Discipline: Dietetics; Faculty Sponsor: Katie Kage

Caterina Azzarello, Kathleen Toblesky & Melody Fike, *Customized Font Influences Mathematics Reading Speed*. Discipline: Educational Technology; Faculty Sponsor: Joanna Lewis

Jansen Legreid, *The Intersection of Military and Higher Education: A Literature Review of Acculturation Among Post-9/11 Student Veterans*. Discipline: Counseling Psychology

Social Sciences, Business, & Education Undergraduate Oral Presentations

Juniel Figures, *Factors Impacting the Mental Health Stigma in the African American Community with a Focus on African American Males*. Discipline: Psychology; Faculty Sponsor: Mitchell Gardner

Joseph Andrade-Schuch, *Protecting The Yampa: Has The River Already Saved Itself?* Discipline: Environmental & Sustainability Studies; Faculty Sponsor: Katherine Johnson

Kaiya Nobriga, *Re-Envisioning East Greeley: Urban Revitalization or Gentrification?* Discipline: Environmental & Sustainability Studies; Faculty Sponsor: Katherine Johnson

Social Sciences, Business, & Education Graduate Poster Presentations

Hannah Brass, Breanna Rangel, & Courtney Shields, *The Impacts of Internalized Weight Stigma on Exercise Identity*. Discipline: Counseling Psychology; Faculty Sponsor: Kenneth Parnell

Katherine Drake & Julia Spellman, *Immediate Familial Incarceration in Childhood and its Effect Adult Health Outcomes: A Proposed Study*. Discipline: Counseling Psychology

Erin van Gorkom, *Sexual Assault Disclosure Motives*. Discipline: Counseling Psychology

Patrick Wilson, *Instructor Perspectives on Climate Change in Chemical Education*. Discipline: Chemistry; Faculty Sponsor: Melissa Weinrich

Social Sciences, Business, & Education Undergraduate Poster Presentations

Abigail Allman, *Mass Shooter Characteristics and the South Region of the United States*. Discipline: Criminal Justice; Faculty Sponsor: Brian Iannacchione

Alyssa Dowdy & Keyanna Dooley, *Exploration of Creativity in Chemistry: Chemistry Instructors' Perception*. Discipline: Chemistry; Faculty Sponsor: Corina Brown

Tiffany Childs, *How Does Childhood Maltreatment Relate to Emotion Regulation and Academic Resilience Among College Students*. Discipline: Psychology; Faculty Sponsor: Marilyn Welsh

Jess Renaud, *Gonadotropin-releasing Hormone Treatment: Picro-Sirius Red Histology Staining for Liver Fibrosis*. Discipline: Psychology; Faculty Sponsor: Marilyn Welsh

Pamela Faulconer, *The Use of Dental Microwear to Determine if Specimens Were Raised in the Wild or in Captivity*. Discipline: Anthropology; Faculty Sponsor: Marian Hamilton

Developing Scholars

Developing Scholars Poster 1

Amy Jenkins, *Mental Health in College Students*. Discipline: Psychology; Faculty Sponsor: Alexis Hauck

Annika Busse, *The Effects of Consumerism on the Amount of Plastic found in the Ocean*. Discipline: Environmental & Sustainability Studies; Faculty Sponsor: Alexis Hauck

Jameson Rembert, *The True Experience of a Student-Athlete*. Discipline: Social Science; Faculty Sponsor: Alexis Hauck

Londy Morgan, *Tourism and Climate Change Impacts on the Great Barrier Reef*. Discipline: Recreation, Tourism, & Hospitality; Faculty Sponsor: Alexis Hauck

Olivia Staab, *Influences of Genetic and Environmental Factors on Sexual Orientation*. Discipline: Gender Studies; Faculty Sponsor: Alexis Hauck

Developing Scholars Poster 2

Alexa Triden, *Using of Psilocybin to Treat Mental Illness*. Discipline: Biological Sciences; Faculty Sponsor: Alexis Hauck

Bella Nachtigal, *Intergenerational Trauma Transfer and Manifestation Throughout the Lifespan*. Discipline: Psychology; Faculty Sponsor: Alexis Hauck

Catherine Rampacek, *How Kindness is taught and interpreted by teachers to students*. Discipline: Educational Leadership; Faculty Sponsor: Brianne Dixon

Holly Carlton, *How Traditional Christian Values in the United States Perpetuate Rape Culture*. Discipline: Sociology; Faculty Sponsor: Brianne Dixon

Vianney Ocampo Zapien, *School-to-Prison Pipeline System*. Discipline: Criminal Justice; Faculty Sponsor: Jordan Martell