2014 Research Day Program

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Research Day 2014

Highlighting and recognizing graduate and undergraduate student research throughout all disciplines at the University of Northern Colorado.

University of Northern Colorado’s Annual Research Conference during Academic Excellence Week

April 10, 2014
University Center

Sponsored and facilitated by
Office of Undergraduate Research
Center for Honors, Scholars & Leadership
Graduate Student Association
The Graduate School
Acknowledgements

The Office of Undergraduate Research, the Center for Honors, Scholars and Leadership, and Graduate Student Association would like to extend their thanks to the following individuals and groups who were instrumental in the organizing and facilitating of this year's Research Day:

Brian Zielenski, Graduate Assistant for the Office of Undergraduate Research
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Academic Excellence Week Committee
The Graduate School
Graduate Student Association
MAST Institute
McNair Scholars
Office of Sponsored Programs
School of Biological Sciences
Student Honors Council
Student Activities
Student Senate
University Scheduling and Events

Academic Excellence Week Poster and Program Cover Artwork created by
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www.unco.edu/hsl/aew.html
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*A full list of abstracts is available on the website at [www.unco.edu/aew](http://www.unco.edu/aew)*

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**Publish your research in UNC’s Undergraduate Research Journal**

UNC Undergraduate Students are invited to submit their manuscripts for inclusion in the *Spring 2015 Issue*.  
Manuscript Submission FINAL Deadline is **December 1, 2014**  
All Research Excellence Award Undergraduate Abstracts are published in the Fall Issue.

Find out more at [www.unco.edu/hsl/our/online_research_journal.html](http://www.unco.edu/hsl/our/online_research_journal.html)  
or e-mail us at [our@unco.edu](mailto:our@unco.edu)
Research Excellence Awards

The Research Excellence Awards program was established to encourage and reward those presentations that exemplify the highest levels of excellence in research. Only a limited number of presentations were accepted into the awards program, and each will be evaluated by a team of faculty on Research Day.

Awards will be presented to the top scoring posters and individual presenters within each of the two categories: Graduate and Undergraduate. The awards will be presented at 4:00 PM – 5:00 PM in Columbine A on Research Day. All presenters are asked to stay for the awards.

Research Excellence Posters
Mt Evans and Pikes Peak Ballrooms

Graduate Research Excellence Posters:
10:00am – noon

Saudi International College Female Students’ Social Media Identity
Educational Technology
Presenter(s): Alruwaili, Tahani
Faculty Sponsor(s): Gall, James

Cost Benefit Analysis of Improving Outcomes by Accurately Assessing Body Temperature Using Temporal Artery Scan Thermometers
Nursing
Presenter(s): Murphy, Lesley
Faculty Sponsor(s): Henderson, Ann

Beyond the Minimalist Ethical Codes: Research with Young Children
Special Education
Presenter(s): Mongkolrat, Raveema
Faculty Sponsor(s): Lahman, Maria

Using Communication Applications on iPad: To Request My Needs
Special Education
Presenter(s): Shugdar, Effat
Faculty Sponsor(s): Luckner, John

Aerobic and Cognitive Training Improves Psychosocial Variables in Cancer Survivors Following Radiation Therapy
Sport & Exercise Science
Presenter(s): Beebe, Corey
Faculty Sponsor(s): Hayward, Reid

The Effects Of Aerobic Training On Cognitive Function In A Brain Cancer Survivor: A Case Study
Sport & Exercise Science
Presenter(s): Brennecke, Alyse
Faculty Sponsor(s): Hayward, Reid

Undergraduate Research Excellence Posters:
01:00pm - 03:00pm

Insights from a hybrid zone: song diversity and song evolution among sage sparrows in Owens Valley California
Biological Sciences
Presenter(s): King, Carissa
Faculty Sponsor(s): Benedict, Lauryn

The Effects Of An Aerobic And Cognitive Training Intervention On Cognitive Function, Psychological, And Physiological Variables In Cancer Survivors And Non-Cancer Controls: A Pilot Study
Sport & Exercise Science
Presenter(s): Medrano, Jesus
Faculty Sponsor(s): Hayward, Reid

Reconstructing activity patterns at Epidamnus, Albania: Impacts of Greek and Roman colonization
Anthropology
Presenter(s): Wright, Jennifer
Faculty Sponsor(s): McIlvaine, Britney
**Undergraduate Research Excellence Oral Presentations:**

**Council Room**

**Research Excellence Oral Presentations**

**09:00am - 09:15am**

6-Thiopurine and Thiol-Fluorescent Probes
*Chemistry*
**Presenter(s): Forst, Tassie**
Faculty Sponsor(s): Hyslop, Richard

**09:15am – 09:30am**

Determining Groundwater Flow through the Study of Soil Horizons, Subsurface Geology, and Vegetation at the Poudre Learning Center
*Earth Sciences*
**Presenter(s): Arenas, Kali; Kettle, Jasen; Hernandez, Julie**;
Faculty Sponsor(s): Hoyt, William

**10:00am - 10:15am**

Identifying Low- to Moderate-Income Taxpayer Preferred Characteristics for §25B Design
*Business Administration*
**Presenter(s): Neel, Jake**
Faculty Sponsor(s): Cahalan, Joseph

**10:15am – 10:30am**

What Fosters a Successful Resident Assistant? A Qualitative Study on Resident Assistant’s Development of Self-Authorship
*Higher Education & Student Affairs Leadership*
**Presenter(s): Stice, Rachel**
Faculty Sponsor(s): Birnbaum, Matthew

**10:30am – 10:45am**

Current Literature on Sensory Processing Specificity in Autism
*Psychology*
**Presenter(s): McReynolds, Jannessa**
Faculty Sponsor(s): Karlin, Nancy
11:00am – 11:15am

Dispelling the Stigma of Mental Illness: What Sort of Information Is Most Effective?
Communication Studies
Presenter(s): Fogel, Casey
Faculty Sponsor(s): Fulton, Jarae

11:15am – 11:30am

Sexuality, Masculinity, and Gender fluidity in early 20th century China
Asian Studies
Presenter(s): Adams, William
Faculty Sponsor(s): Low, Michelle

Graduate Research Excellence Oral Presentations
Council Room

1:00pm - 1:15pm

(Longs Peak Ballroom)
TCDD enhances LPS stimulated TNF production in human THP-1 macrophages
Biological Sciences
Presenter(s): Pikalova, Vera
Faculty Sponsor(s): DeKrey, Gregory

1:15pm – 1:30pm

Movement Strategies During Stand To Sit And Sit To Stand Tasks In Transtibial Amputees
Sport & Exercise Science
Presenter(s): Ferris, Abbie
Faculty Sponsor(s): Smith, Jeremy

2:00pm – 2:15pm

Native American College Students: Making Meaning of Identity and Culture at a Predominately White Institution
Higher Education & Student Affairs Leadership
Presenter(s): Loften, Larry; Lemonedes, Genia; Matsumoto, Courtney; McCue, Katie; Hannen, Christine;
Faculty Sponsor(s): Guido, Flo

2:15pm – 2:30pm

Humor as an instructional technique and its influence on interest, relatedness, affect, and learning.
Educational Psychology
Presenter(s): Machlev, Moshe
Faculty Sponsor(s): Phillips, Michael

2:30pm – 2:45pm

Positive Professional Development: Experiences of New Professionals in Student Affairs
Higher Education & Student Affairs Leadership
Presenter(s): Dinise-Halter, Amy
Faculty Sponsor(s): Yakaboski, Tamara

3:00pm – 3:15pm

Struggling for Air: The Union Balloon Corps and the Bureaucratic-Intelligence Experiment
History
Presenter(s): Snell, Timothy

3:15pm – 3:30pm

Reexamining the Past: The Yellow Turban Rebellion in the Work of Sima Guang (1019-1086 CE)
History
Presenter(s): Zielenski, Brian
Faculty Sponsor(s): Fong, Adam
Honors Program Presentations

Students who have reached high levels of academic achievement may enter the Honors Program as incoming Freshmen, Current UNC students or Transfer students. Encouraging original thinking and research, the Honors Program guides its students through a curriculum of interdisciplinary study, experiential learning, and independent research. All students who graduate with Honors from the program must submit an original thesis or creative capstone project and present their project in public.

Honors Oral Presentations
Aspen B (unless otherwise noted)

Session 1
09:00 - 09:15 in the Morning
(Council Room)
6-Thiopurine and Thiol-Fluorescent Probes
Chemistry
Presenter(s): Forst, Tassie
Faculty Sponsor(s): Hyslop, Richard

Session 3
10:00am - 10:15am
No Child Left Unharmed: The Image of the Child in The Hunger Games
English
Presenter(s): Harvey, Sara
Faculty Sponsor(s): Bovaird-Abbo, Kristin

10:00am - 10:15am
**Research Excellence Award Finalist**
In Council Room
Identifying Low- to Moderate-Income Taxpayer Preferred Characteristics for §25B Design
Business Administration
Presenter(s): Neel, Jake
Faculty Sponsor(s): Cahalan, Joseph

Session 4
10:15 - 10:30 in the Morning
**Research Excellence Award Finalist**
In Council Room
What Fosters a Successful Resident Assistant? A Qualitative Study on Resident Assistant’s Development of Self-Authorship
Higher Education & Student Affairs Leadership
Presenter(s): Stice, Rachel
Faculty Sponsor(s): Birnbaum, Matthew

Session 5
10:20 - 10:35 in the Morning
Learning a Foreign Language: The benefits and the Perceptions of College Students
Spanish
Presenter(s): Hoyt, Aaron
Faculty Sponsor(s): Ryan, John

Session 7
11:00 - 11:15 in the Morning
Secondary science pre-teachers understanding of English as a Second Language (ESL) student and accommodations
Educational Studies
Presenter(s): Mueller, Hannah
Faculty Sponsor(s): Reinsvold, Rob

11:00 - 11:15 in the Morning
**Research Excellence Award Finalist**
In Council Room
Dispelling the Stigma of Mental Illness: What Sort of Information Is Most Effective?
Communication Studies
Presenter(s): Fogel, Casey
Faculty Sponsor(s): Fulton, Jarae

Session 8
11:20 - 11:35 in the Morning
Neuropsychological Functioning in Student Veterans
Psychology
Presenter(s): Doty, Corey
Faculty Sponsor(s): Dunn, Thomas

Session 9
11:40 - 11:55 in the Morning
Anti-European Union Political Parties in Britain, France, and Germany
Political Science
Presenter(s): Chaney, Sarah
Faculty Sponsor(s): Bownas, Richard
Session 12
01:20 - 01:35 in the Afternoon
The Relationship Between Core Endurance and Ability to Recover From a Perturbation
Sport & Exercise Science
Presenter(s): Jones-Hershinow, Carlie
Faculty Sponsor(s): Smith, Jeremy

Session 15
02:20 - 02:35 in the Afternoon
Education Starts at Home: Using Family History to Create an Integrated Curriculum
Elementary Education
Presenter(s): Jones, Lindsay
Faculty Sponsor(s): Romero, Deborah

Session 16
02:40 - 02:55 in the Afternoon
Resource Relationship Characteristics of Homeless Youth Accessing Higher Education Opportunities
Sociology
Presenter(s): Morones, Seth
Faculty Sponsor(s): Musick, David; Houser, Jeffrey

Session 17
03:00 - 03:15 in the Afternoon
Building a Culture: Interactions Between Linguistics and Mythology in a Creative Setting
English
Presenter(s): Vogel, Sarah
Faculty Sponsor(s): Bovaird-Abbo, Kristin

Honors Poster Sessions
Mt. Evans Ballroom and Pikes Peak Ballroom

Morning Poster Session
10:00 – Noon

Rough Cut: A Look into Women's Roles in Contemporary Cinema
Film Studies
Presenter(s): Gresko, Gina
Faculty Sponsor(s): Chan, Kenneth

The Development and Assessment of a Bystander Intervention Educational Program for Undergraduate Students
Higher Education & Student Affairs Leadership
Presenter(s): McCully, Savannah
Faculty Sponsor(s): Haynes, Chayla

Communication and Relationships Between Primary Care Physician and Refugees
Human Services
Presenter(s): Anderson, Kirsten
Faculty Sponsor(s): Bezyak, Jill

Afternoon Poster Session
01:00 - 03:00 in the Afternoon

Greca; Use of Art as a Social Distinguisher in Mexico
Art & Design
Presenter(s): Bugarin Correa, Arturo
Faculty Sponsor(s): Coronel, Chip; Weis, Robert

The Effect of Gender Roles and Conflict Communication Management on Domestic Violence: A College Student Perspective
Communication Studies
Presenter(s): Cooper, Nikki
Faculty Sponsor(s): Donley, Melissa

Imagination to Music: Creating an Orchestral Score for a Silent Film, “The Nut”
Music
Presenter(s): James, Amelia
Faculty Sponsor(s): Ehle, Robert

The Influence of Historical Violin Treatises on Modern Teaching and Performance Practices
Music Education
Presenter(s): Hann, Hanna
Faculty Sponsor(s): Ehle, Robert

Isolating the Markers from the Ideologies of Islam: A Quantitative Approach In Defining “Islamophobia”
Sociology
Presenter(s): Hanna, Luke
Faculty Sponsor(s): Packard, Joshua

Biology Poster Session
03:30 - 04:30 in the Afternoon

Epithelial to Mesenchymal Transition Induction by zfh-1
Biological Sciences
Presenter(s): Kennedy, Rana
Faculty Sponsor(s): Leatherman, Judith
McNair Scholars Presentations

The McNair Scholars Program provides undergraduate research opportunities designed to prepare eligible juniors and seniors for graduate school. As a member of the federal TRIO family of programs, the McNair Scholars Program is dedicated to increasing access to doctoral education among currently underrepresented groups.

Oral Presentations

10:00am - 10:15am
Aspen B
No Child Left Unharmed: The Image of the Child in The Hunger Games
English
Presenter(s): Harvey, Sara
Faculty Sponsor(s): Bovaird-Abbo, Kristin

02:40 - 02:55 pm
Resource Relationship Characteristics of Homeless Youth Accessing Higher Education Opportunities
Sociology
Presenter(s): Morones, Seth
Faculty Sponsor(s): Musick, David; Houser, Jeffrey

Poster Sessions

Mt. Evans Ballroom and Pikes Peak Ballroom

Morning Poster Session
10:00am - Noon

Illness: Understanding, Treatment, and Influences
Anthropology
Presenter(s): Mai, Phu
Faculty Sponsor(s): Duncan Johnson, Whitney

Identifying Low- to Moderate-Income Taxpayer Preferred Characteristics for §25B Design
Business Administration
Presenter(s): Neel, Jake
Faculty Sponsor(s): Cahalan, Joseph

Face-wise Chromatic Number
Mathematics
Presenter(s): Myrant, Catrina
Faculty Sponsor(s): Levin, Oscar

Defining the Spatial and Maximum Intensity of the Louisville Urban Heat Island
Meteorology
Presenter(s): Clark, Joshua
Faculty Sponsor(s): Shellito, Lucinda

School Stress, Academic Performance, and Coping in College Freshmen
Psychology
Presenter(s): Hill, Curtis
Faculty Sponsor(s): Hess, Robyn

The Factors that Explain the Use of Complementary and Alternative Medicine in Undergraduates
Social Science
Presenter(s): Sanchez, Erin
Faculty Sponsor(s): Hutchinson, Susan
Afternoon Poster Session
01:00pm - 03:00pm

The Effects Of An Aerobic And Cognitive Training Intervention On Cognitive Function, Psychological, And Physiological Variables In Cancer Survivors And Non-Cancer Controls: A Pilot Study
Sport & Exercise Science
Presenter(s): Medrano, Jesus
Faculty Sponsor(s): Hayward, Reid

Reconstructing activity patterns at Epidamnus, Albania: Impacts of Greek and Roman colonization
Anthropology
Presenter(s): Wright, Jennifer
Faculty Sponsor(s): McIlvaine, Britney

Social and Reading Inference Performance in Typically Developing College Students
Audiology & speech-language sciences
Presenter(s): Krehbiel, Pamela
Faculty Sponsor(s): Murza, Kimberly

What's Love Got To Do With It? How Minor Property Crime Relates to Domestic Violence
Criminal Justice
Presenter(s): Holien, Jaclyn
Faculty Sponsor(s): West-Smith, Mary

The Preliminary Effects of Colorado Senate Bill 10-191: Educator Effectiveness on Secondary Education Preservice Teachers
Educational Studies
Presenter(s): Crandell, Michelle
Faculty Sponsor(s): Boyce, Travis

Parental Involvement and Student Academic Success of 7th Grade AVID Students
Educational Studies
Presenter(s): Jurado, Marisol
Faculty Sponsor(s): Bezyak, Jill

Evidence for Universal Grammar in Nicaraguan Sign Language
Foreign Languages
Presenter(s): Gonzalez, Martin
Faculty Sponsor(s): Ryan, John

Female Sexual Socialization in Relation to Sexual Decision Making Processes
Women’s Studies
Presenter(s): Amin, Lisha
Faculty Sponsor(s): Traxler, Karen

Adolescents and Disclosure: Influence of Stigma and Knowledge of Psychological Diagnosis
Psychology
Presenter(s): Trimble, Kyra
Faculty Sponsor(s): Traxler, Karen

Cue Reactivity of Marijuana Craving: An investigation Examining Cognitive and Academic Impairment
Psychology
Presenter(s): Vigil, Daniel
Faculty Sponsor(s): Phillips, Kristina

Postural Stability and Hip Abductor Strength
Sport & Exercise Science
Presenter(s): Ojerio, JT
Faculty Sponsor(s): Heise, Gary

McNair Scholars Program helps make dreams come true!

The McNair Scholars Program is dedicated to increasing access to doctoral education among currently underrepresented groups.

Program Eligibility
Juniors and seniors with a 3.0 or higher GPA. (may apply as Sophomore)
First-generation, low-income students and/or members of underrepresented populations in graduate education.
Committed to completing a graduate degree.

Find out more at www.unco.edu/mcnair or e-mail mcnair.scholars@unco.edu
## Graduate Biology Oral Presentations

### Longs Peak Ballroom

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Presenter(s)</th>
<th>Faculty Sponsor(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:30am</td>
<td>The Effects of Bats on the Influx of Nutrients and Communal Diversity of Cliff Ecosystems</td>
<td>Rolfe, Ashley</td>
<td>Adams, Rick</td>
</tr>
<tr>
<td>08:40am</td>
<td>Identifying and Characterizing Three-finger Toxins in Rear-fanged Snake Venoms</td>
<td>Modahl, Cassie</td>
<td>Mackessy, Steve</td>
</tr>
<tr>
<td>08:55am</td>
<td>BTB-zinc finger transcriptional regulator ZBTB24 and its role in human disease</td>
<td>Gerrard, Diana</td>
<td>Frietze, Seth</td>
</tr>
<tr>
<td>09:05am</td>
<td>Mixed Methods Exploratory Study on Biology Undergraduate Choices, Persistence, and Departure</td>
<td>Munyaka, Biscah</td>
<td>DeChenne, Sue Ellen</td>
</tr>
<tr>
<td>09:15am</td>
<td>A Method to Isolate Bovine Corpora Lutea Cells using Percoll Gradient Fractionation</td>
<td>Graham, Peter E.</td>
<td>Burns, Patrick</td>
</tr>
<tr>
<td>09:30am</td>
<td>Vegetative Classification of the Pawnee National Grassland, USA</td>
<td>Brandt, Amber</td>
<td>Franklin, Scott</td>
</tr>
<tr>
<td>09:45am</td>
<td>Tzabcanin, a novel snake venom disintegrin, inhibits aVß3-mediated cell adhesion and migration in melanoma (A-375) cells</td>
<td>Saviola, Anthony</td>
<td>Mackessy, Stephen</td>
</tr>
<tr>
<td>10:15am</td>
<td>BMP signaling in the somatic cyst stem cell lineage in Drosophila melanogaster testes</td>
<td>Major III, James</td>
<td>Leatherman, Judith</td>
</tr>
<tr>
<td>10:45am</td>
<td>Antiflaviviral therapy: future prospects from today’s drugs</td>
<td>Jubair, Widian</td>
<td>Keenan, Susan</td>
</tr>
<tr>
<td>10:55am</td>
<td>Layer Specific Dopaminergic Effects on Frequency Dependent Short-term Synaptic Plasticity</td>
<td>Leyrer, Jonna</td>
<td>Thomas, Mark</td>
</tr>
<tr>
<td>11:10am</td>
<td>The Role of Cytosolic Calcium in Persistent Firing of Layer V Pyramidal Neurons in mouse mPFC</td>
<td>Johnson, Vanessa</td>
<td>Thomas, Mark</td>
</tr>
<tr>
<td>11:20am</td>
<td>Behavioral type and social network organization in the Spiny-tailed Iguana (Ctenosaura similis)</td>
<td>Nash, AE</td>
<td>Mackessy, Stephen</td>
</tr>
</tbody>
</table>

10:00 - 10:15am Break
11:50am
Enzymatic activity and cytotoxicity of Crotalus oreganus concolor venom
Presenter(s): Smith, Cara
Faculty Sponsor(s): Mackessy, Stephen

12:00pm
Variation in venom composition between island populations of the White-lipped Island Pitviper, Trimeresurus insularis
Biological Sciences
Presenter(s): Jones, Brenda
Faculty Sponsor(s): Mackessy, Stephen

12:10pm - 1:00pm Lunch

1:00pm
**Research Excellence Award Finalist**
TCDD enhances LPS stimulated TNF production in human THP-1 macrophages
Presenter(s): Pikalova, Vera
Faculty Sponsor(s): DeKrey, Gregory

1:15pm
A Model for Assessing Critical Thinking in an Undergraduate Biology Program
Presenter(s): Cleveland, Lacy; McCabe, Thomas;
Faculty Sponsor(s): Mackessy, Stephen

1:30pm
Differential gene expression patterns of Tacaribe virus infected Jamaican fruit bats and their immune system implications
Presenter(s): Hume, Greta
Faculty Sponsor(s): Hawkinson, Ann

1:45pm
Three-way Interactions among Barrel Medic Plants, Beneficial Fungi and Insects
Presenter(s): Maurya, Abhinav Kumar
Faculty Sponsor(s): Gomez, Susana

1:55pm
dynamics and Structure of Social Behaviors of Bats, with Reference to the Jamaican Fruit Bat (Artibeus Jamaicensis)
Presenter(s): Cheong, Sydney
Faculty Sponsor(s): Adams, Rick

2:05pm
Mechanisms of TCB-2 induced Burst Firing in Pyramidal Neurons of the Mouse Medial Prefrontal Cortex
Presenter(s): Spindle, Michael
Faculty Sponsor(s): Thomas, Mark

2:15pm – 2:30pm Break

2:30pm
Effects of TCDD on Leishmania major burdens in pre-infected C57Bl/c mice
Presenter(s): Henshall, Tyler
Faculty Sponsor(s): DeKrey, Gregory

2:40pm
Tests for contaminant exposure and potential health and biodiversity effects in wild bats of Sichuan Province, China
Presenter(s): Heiker, Laura
Faculty Sponsor(s): Adams, Rick

2:55pm
Efficacy of Enzymatic Assays in Probing for Longitudinal Shifts in Local Rattlesnake Venom Composition
Presenter(s): McCabe, Thomas
Faculty Sponsor(s): Mackessy, Stephen

3:10pm
PDGF-VEGF receptor-related (Pvr), a receptor tyrosine kinase (RTK) in the Drosophila testis stem cell niche
Presenter(s): Hammer, Kenneth
Faculty Sponsor(s): Leatherman, Judith

3:25pm
Potential Environmental Impacts of Oil and Natural Gas Development on Proximate Flora
Presenter(s): Hogden, Randi
Faculty Sponsor(s): Franklin, Scott
Oral Research Presentations

Session 1
09:00am - 09:15am

Aspen C
Study of a Contemporary Leader: John F. Kennedy
Business Administration
Presenter(s): Loberg, Megan
Faculty Sponsor(s): Clinebell, Sharon
Undergraduate Presentation

Columbine B
Multiple Session Presentation: Sessions 1, 2,3,4,5,6
Masters in Public Health Capstone Presentations
Public Health
Presenter(s): Freeman, Rachel; Wardle, Brittany; Gomez, Juan; West, Jasmine; Brummer, LeeAnne; Laedtke, Devin; Duggan, Shannyn; Peirce, Casey
Faculty Sponsor(s): Sharp, Teresa
Graduate Presentation

Council Room (9:00-9:15)
**Research Excellence Award Finalist**
6-Thiopurine and Thiol-Fluorescent Probes
Chemistry
Presenter(s): Forst, Tassie
Faculty Sponsor(s): Hyslop, Richard
Undergraduate Presentation

Council Room (9:15-9:30)
**Research Excellence Award Finalist**
Determining Groundwater Flow through the Study of Soil Horizons, Subsurface Geology, and Vegetation at the Poudre Learning Center
Earth Sciences
Presenter(s): Arenas, Kali; Kettle, Jasen; Hernandez, Julie;
Faculty Sponsor(s): Hoyt, William
Research Excellence Award Finalist
Undergraduate Presentation

Session 2
09:20am - 09:35am

Aspen C
Entre Dos Obras Medievales: El Libro Del Conde Lucanor Y El Libro De Buen Amor
Spanish
Presenter(s): Richardson, Spencer
Faculty Sponsor(s): Garza, Efrain
Undergraduate Presentation

Columbine A
Significant mathematical accomplishments in XX century
Mathematics
Presenter(s): Barton, Jack; Johnson, Kayla;
Faculty Sponsor(s): Szczyrba, Igor
Undergraduate Presentation

Columbine B
Multiple Session Presentation: Sessions 1, 2,3,4,5,6
Masters in Public Health Capstone Presentations
Public Health
Presenter(s): Freeman, Rachel; Wardle, Brittany; Gomez, Juan; West, Jasmine; Brummer, LeeAnne; Laedtke, Devin; Duggan, Shannyn; Peirce, Casey
Faculty Sponsor(s): Sharp, Teresa
Graduate Presentation

Spruce A
Multiple Session Presentations: 2,3
How HIV&AID's has Devastated the Country of Haiti
Africana Studies
Presenter(s): White, Josiah
Faculty Sponsor(s): Gardner, Mitchell
Undergraduate Presentation
**Spruce B**
*Multiple Session Presentations: 4,5*
*Modifying Baked Products to Meet Dietary Needs - I*
Dietetics
**Presenter(s):** Abramson, Kandace; White, Toni; Wood, Kristen; Wagner, Kelly;
Faculty Sponsor(s): Stauter, Judy
*Undergraduate Presentation*

**Session 3**
*09:40am - 9:55am*
*Columbine B*
*Multiple Session Presentation: Sessions 1, 2,3,4,5,6*
*Masters in Public Health Capstone Presentations*
Public Health
**Presenter(s):** Freeman, Rachel; Wardle, Brittany; Gomez, Juan; West, Jasmine; Brummer, LeeAnne; Laedtke, Devin; Duggan, Shannyn; Peirce, Casey
Faculty Sponsor(s): Sharp, Teresa
*Graduate Presentation*

**Spruce A**
*Multiple Session Presentations: 2,3*
*How HIV&AID's has Devastated the Country of Haiti*
Africana Studies
**Presenter(s):** White, Josiah
Faculty Sponsor(s): Gardner, Mitchell
*Undergraduate Presentation*

**Spruce B**
*Multiple Session Presentations: 4,5*
*Modifying Baked Products to Meet Dietary Needs - I*
Dietetics
**Presenter(s):** Abramson, Kandace; White, Toni; Wood, Kristen; Wagner, Kelly;
Faculty Sponsor(s): Stauter, Judy
*Undergraduate Presentation*

**Session 4**
*10:00am - 10:15am*
*Aspen B*
*No Child Left Unharmed: The Image of the Child in The Hunger Games*
English
**Presenter(s):** Harvey, Sara
Faculty Sponsor(s): Bovaird-Abbo, Kristin
*Undergraduate Presentation*

**Aspen C**
*Literatura y Feminismo: critica positiva y negativa al discurso feminista*
Spanish
**Presenter(s):** Ward, Patricia
Faculty Sponsor(s): Garza, Efrain
*Undergraduate Presentation*

**Columbine B**
*Multiple Session Presentation: Sessions 1, 2,3,4,5,6*
*Masters in Public Health Capstone Presentations*
Public Health
**Presenter(s):** Freeman, Rachel; Wardle, Brittany; Gomez, Juan; West, Jasmine; Brummer, LeeAnne; Laedtke, Devin; Duggan, Shannyn; Peirce, Casey
Faculty Sponsor(s): Sharp, Teresa
*Graduate Presentation*

*Council Room (10:00am – 10:15 am)*
**Research Excellence Award Finalist**
*Identifying Low- to Moderate-Income Taxpayer Preferred Characteristics for §25B Design*
Business Administration
**Presenter(s):** Neel, Jake
Faculty Sponsor(s): Cahalan, Joseph
*Undergraduate Presentation*

*Council Room (10:15am – 10:30 am)*
**Research Excellence Award Finalist**
*What Fosters a Successful Resident Assistant? A Qualitative Study on Resident Assistant’s Development of Self-Authorship*
Higher Education & Student Affairs Leadership
**Presenter(s):** Stice, Rachel
Faculty Sponsor(s): Birnbaum, Matthew
*Undergraduate Presentation*
Spruce B
Multiple Session Presentations: 2,3
The effect of pre-workout supplementations containing creatine, caffeine and amino acids on exercise performance
Nutrition
Presenter(s): Segura, Cameron; Silliman, Mallory;
Faculty Sponsor(s): Gould, Susan
Undergraduate Presentation

Session 5
10:20am - 10:35am

Aspen B
Learning a Foreign Language: The benefits and the Perceptions of College Students
Spanish
Presenter(s): Hoyt, Aaron
Faculty Sponsor(s): Ryan, John
Undergraduate Presentation

Aspen C
Paradoja de la generación del 98
Spanish
Presenter(s): Stark, Molly
Faculty Sponsor(s): Garza, Efrain
Undergraduate Presentation

Columbine B
Multiple Session Presentation: Sessions 1, 2,3,4,5,6
Masters in Public Health Capstone Presentations
Public Health
Presenter(s): Freeman, Rachel; Wardle, Brittany; Gomez, Juan; West, Jasmine; Brummer, LeeAnne, Laedtke, Devin; Duggan, Shannyn; Pierce, Casey
Faculty Sponsor(s): Sharp, Teresa
Graduate Presentation

Council Room (10:30am - 10:45am)
**Research Excellence Award Finalist**
Current Literature on Sensory Processing Specificity in Autism
Psychology
Presenter(s): McReynolds, Jannessa
Faculty Sponsor(s): Karlin, Nancy
Research Excellence Award Finalist
Undergraduate Presentation

Spruce B
Multiple Session Presentations: 2,3
The effect of pre-workout supplementations containing creatine, caffeine and amino acids on exercise performance
Nutrition, Nutrition
Presenter(s): Segura, Cameron; Silliman, Mallory;
Faculty Sponsor(s): Gould, Susan
Undergraduate Presentation

Session 6
10:40am - 10:55am

Aspen C
Noise Levels for Senior Center Woodworking Tools and the Risk for Noise-Induced Hearing Loss
Audiology & speech-language sciences
Presenter(s): Erbaugh, Holly
Graduate Presentation

Columbine A
‘Unusual’ applications of mathematics
Music
Presenter(s): Finnegan, Molly; Vegter, Mackenzie;
Faculty Sponsor(s): Szczyrba, Igor
Undergraduate Presentation

Columbine B
Multiple Session Presentation: Sessions 1, 2,3,4,5,6
Masters in Public Health Capstone Presentations
Public Health
Presenter(s): Freeman, Rachel; Wardle, Brittany; Gomez, Juan; West, Jasmine; Brummer, LeeAnne, Laedtke, Devin; Duggan, Shannyn; Pierce, Casey
Faculty Sponsor(s): Sharp, Teresa
Graduate Presentation

Spruce A
Poder e identidad en las obras de Rosa Montero
Spanish
Presenter(s): Byrdsong, Brian
Faculty Sponsor(s): Garza, Efrain
Undergraduate Presentation
Spruce B
La censura española: En la ardiente oscuridad y
Los ojos.
Spanish
Presenter(s): Madigan, Tana
Faculty Sponsor(s): Garza, Efrain
Undergraduate Presentation

Session 7
11:00am - 11:15am

Aspen B
Secondary science pre-teachers understanding of
English as a Second Language (ESL) student and
accommodations
Educational Studies
Presenter(s): Mueller, Hannah
Faculty Sponsor(s): Crow, Loree
Undergraduate Presentation

Council Room (11:00 am -11:15am)
**Research Excellence Award Finalist**
Dispelling the Stigma of Mental Illness: What
Sort of Information Is Most Effective?
Communication Studies
Presenter(s): Fogel, Casey
Faculty Sponsor(s): Fulton, Jarae
Undergraduate Presentation

Council Room (11:15 am -11:30am)
**Research Excellence Award Finalist**
Sexuality, Masculinity, and Gender fluidity in
early 20th century China
Asian Studies
Presenter(s): Adams, William
Faculty Sponsor(s): Low, Michelle
Undergraduate Presentation

Spruce A
Multiple Presentation Session: 7,8
Courageous Conversations: Voices of Immigrant
Women
Mexican American Studies
Presenter(s): Nevarez Ruiz, Cinthia; Salazar Turriago, Vanesa;
Faculty Sponsor(s): Falcon, Priscilla
Undergraduate Presentation

Spruce C
Multiple Presentation Session: 7,8
Evaluation of the United Way of Weld County's
Self Sufficiency Program
Sociology
Presenter(s): Staiano, Victoria
Faculty Sponsor(s): Moore, Mel
Undergraduate Presentation

Session 8
11:20am - 11:35am

Aspen B
Neuropsychological Functioning in Student
Veterans
Psychology
Presenter(s): Doty, Corey
Faculty Sponsor(s): Dunn, Thomas
Undergraduate Presentation

Columbine B
Multiple Presentation Session: 8,9
Cross-Cultural Gender Variants:
Anthropology's Partnered Research with
GLBTA
Anthropology
Presenter(s): Bergum, Taylor; Russo, Victoria;
Morones, Seth; Marsh, Rebekah; Davila,
Lissabel; Morris, Savannah; Maxfield, Nicole;
Rasmussen, Anna; Barr, Tana;
Faculty Sponsor(s): Maynard, Kody
Undergraduate Presentation

Spruce A
Multiple Presentation Session: 7,8
Courageous Conversations: Voices of Immigrant
Women
Mexican American Studies
Presenter(s): Nevarez Ruiz, Cinthia; Salazar Turriago, Vanesa;
Faculty Sponsor(s): Falcon, Priscilla
Undergraduate Presentation

Spruce C
Multiple Presentation Session: 7,8
Evaluation of the United Way of Weld County's
Self Sufficiency Program
Sociology
Presenter(s): Staiano, Victoria
Faculty Sponsor(s): Moore, Mel
Undergraduate Presentation
Session 9  
11:40am - 11:55am  

Aspen B  
Anti-European Union Political Parties in Britain, France, and Germany  
Political Science  
Presenter(s): Chaney, Sarah  
Faculty Sponsor(s): Bownas, Richard  
Undergraduate Presentation  

Aspen C  
Evaluation of Iodine Deficiencies of Pregnant Women in the United States  
Dietetics  
Presenter(s): Franklin, Grace  
Faculty Sponsor(s): Clark, Alena  
Undergraduate Presentation  

Columbine B  
Multiple Presentation Session: 8,9  
Cross-Cultural Gender Variants: Anthropology’s Partnered Research with GLBTA  
Anthropology  
Presenter(s): Bergum, Taylor; Russo, Victoria; Morones, Seth; Marsh, Rebekah; Davila, Lissabel; Morris, Savannah; Maxfield, Nicole; Rasmussen, Anna; Barr, Tana;  
Faculty Sponsor(s): Maynard, Kody  
Undergraduate Presentation  

Spruce B  
Weaponized drones should not be used in warfare.  
Communication Studies  
Presenter(s): Luca, Michael  
Faculty Sponsor(s): Allen, Lin  
Undergraduate Presentation  

Spruce C  
Decreasing the Readmission Rate for Patients 65 years and Older  
Nursing  
Presenter(s): Steveson, Debra  
Graduate Presentation  

Session 10  
12:15pm - 01:00pm  

Columbine A  
Multiple Presentation Sessions: 10,11,12  
Red Stiletto Heels, Statue of Liberty, & Social Justice— I Know What Chicana/o Art I Like When I See It!  
Mexican American Studies  
Presenter(s): Canales, Genie; Ruth, Timothy; Guerra, Eledora; Bissett, Susan;  
Faculty Sponsor(s): Canales, Genie  
Undergraduate Presentation  

Columbine B  
The Samurai: The Meaning Behind the Warrior  
History  
Presenter(s): Harper, Collin  
Faculty Sponsor(s): Fong, Adam  
Undergraduate Presentation  

Session 11  
01:00am - 01:15am  

Aspen B  
Therapy Dogs and the Elderly: Mood and Morale Boost  
Psychology  
Presenter(s): Hayes, Mandi  
Faculty Sponsor(s): Traxler, Karen  
Undergraduate Presentation  

Columbine A  
Multiple Presentation Sessions: 10,11,12  
Red Stiletto Heels, Statue of Liberty, & Social Justice— I Know What Chicana/o Art I Like When I See It!  
Mexican American Studies  
Presenter(s): Canales, Genie; Ruth, Timothy; Guerra, Eledora; Bissett, Susan;  
Faculty Sponsor(s): Canales, Genie  
Undergraduate Presentation  

Columbine B  
The Samurai: The Meaning Behind the Warrior  
History  
Presenter(s): Harper, Collin  
Faculty Sponsor(s): Fong, Adam  
Undergraduate Presentation
Council Room (1:15-1:30)
**Research Excellence Award Finalist**
Movement Strategies During Stand To Sit And Sit To Stand Tasks In Transtibial Amputees
Sport & Exercise Science
Presenter(s): Ferris, Abbie
Faculty Sponsor(s): Smith, Jeremy
Graduate Presentation

Spruce B
Education Innovation Institute: Current Interns
Applied Statistics and Research Methods
Presenter(s): Grogan, Czarina; Jacobs, Amanda; Johnson, Chris; Hess, Chelsie
Faculty Sponsor(s): Lalonde, Trent
Graduate Presentation

Spruce C
Multiple Presentation Sessions: 11,12,13,14
Positive Professional Development: Experiences of New Professionals in Student Affairs
Higher Education & Student Affairs Leadership
Presenter(s): Dinise-Halter, Amy
Faculty Sponsor(s): Yakaboski, Tamara
Graduate Presentation

Session 12
01:20pm - 01:35pm
Aspen B
The Relationship Between Core Endurance and Ability to Recover From a Perturbation
Sport & Exercise Science
Presenter(s): Jones-Hershinow, Carlie
Faculty Sponsor(s): Smith, Jeremy
Undergraduate Presentation

Columbine A
Multiple Presentation Sessions: 10,11,12
Red Stiletto Heels, Statue of Liberty, & Social Justice— I Know What Chicana/o Art I Like When I See It!
Mexican American Studies
Presenter(s): Canales, Genie; Ruth, Timothy; Guerra, Eleadora; Bissett, Susan;
Faculty Sponsor(s): Canales, Genie
Undergraduate Presentation

Council Room (1:30-1:45)
**Research Excellence Award Finalist**
Effects of Load Carriage and Footwear on Spatiotemporal Parameters, Kinematics, and Metabolic Cost of Walking
Sport & Exercise Science
Presenter(s): Dames, Kevin
Faculty Sponsor(s): Smith, Jeremy
Graduate Presentation

Spruce A
Optimization of the synthesis of 2,4,6-trimethylphenyl,1,10-phenanthroline
Chemistry
Presenter(s): Burgess, Danea
Graduate Presentation

Spruce B
A Philosophical Approach to Personal Counseling
Philosophy
Presenter(s): Wagner, August
Faculty Sponsor(s): Matchett, Nancy
Undergraduate Presentation

Spruce C
Multiple Presentation Sessions: 11,12,13,14
Positive Professional Development: Experiences of New Professionals in Student Affairs
Higher Education & Student Affairs Leadership
Presenter(s): Dinise-Halter, Amy
Faculty Sponsor(s): Yakaboski, Tamara
Graduate Presentation

Session 13
01:40pm - 01:55pm
Columbine B
Drums of the Islands: Taiko Drumming and Ethnic Identity in Hawaii
Asian Studies
Presenter(s): Takemoto, Tricia
Faculty Sponsor(s): Fong, Adam
Undergraduate Presentation
Session 14  
02:00pm - 02:15pm  
Aspen C  
**Education Innovation Institute: Past Interns**  
Higher Education & Student Affairs Leadership  
Presenter(s): Cohen, Joshua; Serna, Gabriel;  
Faculty Sponsor(s): Lalonde, Trent  
Graduate Presentation  

Columbine B  
**The Shifting Shape of the Fox**  
Asian Studies  
Presenter(s): Wiegand, Margaret  
Faculty Sponsor(s): Low, Michelle  
Undergraduate Presentation  

Council Room  
**Research Excellence Award Finalist**  
Native American College Students: Making Meaning of Identity and Culture at a Predominately White Institution  
Higher Education & Student Affairs Leadership  
Presenter(s): Loften, Larry; Lemonedes, Genia; Matsumoto, Courtney; McCue, Katie; Hannen, Christine;  
Faculty Sponsor(s): Guido, Flo  
Graduate Presentation  

Council Room (2:15pm - 2:30pm)  
**Research Excellence Award Finalist**  
Humor as an instructional technique and its influence on interest, relatedness, affect, and learning  
Educational Psychology  
Presenter(s): Machlev, Moshe  
Faculty Sponsor(s): Phillips, Michael  
Graduate Presentation  

Session 15  
02:20pm - 02:35pm  
Aspen B  
**Education Starts at Home: Using Family History to Create an Integrated Curriculum**  
Elementary Education  
Presenter(s): Jones, Lindsay  
Faculty Sponsor(s): Romero, Deborah  
Undergraduate Presentation  

Columbine B  
**A Tale of Two Dictatorships: Comparing the History of the Military Governments of Thailand and Korea in the Twentieth Century**  
History  
Presenter(s): Yoo, Hyung Suk  
Faculty Sponsor(s): Fong, Adam  
Undergraduate Presentation  

Council Room (2:30pm - 2:45pm)  
**Research Excellence Award Finalist**  
Positive Professional Development: Experiences of New Professionals in Student Affairs  
Higher Education & Student Affairs Leadership  
Presenter(s): Dinise-Halter, Amy  
Faculty Sponsor(s): Yakaboski, Tamara  
Graduate Presentation  

Session 16  
02:40pm - 02:55pm  
Aspen B  
**Resource Relationship Characteristics of Homeless Youth Accessing Higher Education Opportunities**  
Sociology  
Presenter(s): Morones, Seth  
Faculty Sponsor(s): Musick, David; Houser, Jeffrey  
Undergraduate Presentation
Session 17
03:00pm - 03:15pm

Aspen B
Building a Culture: Interactions Between Linguistics and Mythology in a Creative Setting
English
Presenter(s): Vogel, Sarah
Faculty Sponsor(s): Crow, Loree
Undergraduate Presentation

Aspen C
Multiple Presentation Sessions: 17,18
Modifying Baked Products to Meet Dietary Needs - II
Dietetics
Presenter(s): Goya, Kellie-Ann; Leon, Candellia; Szeto, Megan; Green, Sophie
Faculty Sponsor(s): Gould, Susan
Undergraduate Presentation

Council Room (3:00pm-3:15pm)
**Research Excellence Award Finalist**
Struggling for Air: The Union Balloon Corps and the Bureaucratic-Intelligence Experiment
History
Presenter(s): Snell, Timothy
Graduate Presentation

Council Room (3:15pm-3:30pm)
**Research Excellence Award Finalist**
Reexamining the Past: The Yellow Turban Rebellion in the Work of Sima Guang (1019-1086 CE)
History
Presenter(s): Zielenski, Brian
Faculty Sponsor(s): Fong, Adam
Graduate Presentation

Spruce C
Multiple Presentation Sessions: 17,18, 19
A Web of Victorian Disillusionment, Sexuality, and Gender
English
Presenter(s): Lambert, Ryan; Ryan, Sean; Stephenson, Ethan; Graham-Ellis, Sharon; Markway, Cameron
Graduate Presentation

Session 18
03:20pm - 03:35pm

Spruce C
Multiple Presentation Sessions: 17,18, 19
A Web of Victorian Disillusionment, Sexuality, and Gender
English
Presenter(s): Lambert, Ryan; Ryan, Sean; Stephenson, Ethan; Graham-Ellis, Sharon; Markway, Cameron
Graduate Presentation

Aspen C
Multiple Presentation Sessions: 17,18
Modifying Baked Products to Meet Dietary Needs - II
Dietetics
Presenter(s): Goya, Kellie-Ann; Leon, Candellia; Szeto, Megan; Green, Sophie
Faculty Sponsor(s): Gould, Susan
Undergraduate Presentation

Session 19
03:40pm - 03:55pm

Spruce C
Multiple Presentation Sessions: 17,18, 19
A Web of Victorian Disillusionment, Sexuality, and Gender
English
Presenter(s): Lambert, Ryan; Ryan, Sean; Stephenson, Ethan; Graham-Ellis, Sharon; Markway, Cameron
Graduate Presentation

Aspen C
Multiple Presentation Sessions: 17,18
Modifying Baked Products to Meet Dietary Needs - II
Dietetics
Presenter(s): Green, Sophie; Goya, Kellie-Ann; Leon, Candy; Szeto, Megan
Faculty Sponsor(s): Gould, Susan
Undergraduate Presentation
Poster Presentations

University Center
Pikes Peak and Mt Evans Ballrooms

Morning Poster Session 10:00am - Noon
Mt. Evans & Pikes Peak Ballroom

**Anthropology**
*Illness: Understanding, Treatment, and Influences*
Presenter(s): Mai, Phu
Faculty Sponsor(s): Duncan Johnson, Whitney
Undergraduate Presentation

**Asian Studies**
*Examining Differences of Gender, Experience and Style on Motivation of Participants in Chinese Martial Arts*
Presenter(s): Ouyang, Lei
Graduate Presentation

**Audiology & Speech-Language Sciences**
*Augmentative and Alternative Communication: Comparing hand over hand instruction versus modeling in a school-age child with autism*
Presenter(s): Daurio, Abbie
Faculty Sponsor(s): Hanks, Julie
Graduate Presentation

*Using the Straw Technique and the Computer Speech Lab for Remediation of a Residual Lateral Lisp: A Case Study*
Presenter(s): Halsey, Jessica
Faculty Sponsor(s): Hanks, Julie
Graduate Presentation

*Structured Vs Unstructured Therapy: Decreasing secondary stuttering behaviors in a preschool-age child with a severe beginning level stuttering pattern*
Presenter(s): Rea, Amber
Graduate Presentation

**Biology**
*Evolution of venoms in western rattlesnakes: an analysis of metalloproteases in the Arizona Black Rattlesnake*
Presenter(s): Naibauer, Samantha
Faculty Sponsor(s): Mackessy, Stephen
Undergraduate Presentation

**Business Administration**
*Identifying Low- to Moderate-Income Taxpayer Preferred Characteristics for §25B Design*
Presenter(s): Neel, Jake
Faculty Sponsor(s): Cahalan, Joseph
Undergraduate Presentation

**Chemistry**
*Imaging Fibrinogen and Biotin Using the Atomic Force Microscope*
Presenter(s): Paden, Elizabeth; Summers, Audrey; Paden, Hannah;
Faculty Sponsor(s): Pacheco, Kimberly
Undergraduate Presentation

*Chemical Syntheses with 1,10-phenanthroline*
Presenter(s): Bresch, Cayla; Covelli, Daniel;
Faculty Sponsor(s): Pacheco, Kimberly
Undergraduate Presentation

*Studies of Thin Films used for Adsorption of Fibrinogen and Fibrin*
Presenter(s): Johnson, Patrick; Finch, Dina;
Faculty Sponsor(s): Pacheco, Kimberly
Undergraduate Presentation
Dietetics
InfaNET Website Update: Providing Infant Feeding Education to Child Care Providers
Presenter(s): Pearse, Carrie
Faculty Sponsor(s): Clark, Alena
Undergraduate Presentation

Educational Psychology
The Influence of Teacher Power on Self-Perceptions of Learner Empowerment Among UNCO Undergraduate Students
Presenter(s): Artzer, Rebecca; Goodnight, Brittany; Balderrama, Sarah; Marin, Gabriel; Zielke, Melanie;
Faculty Sponsor(s): Diaz, Abel
Undergraduate Presentation

An Investigation of the Influence of Topic Choice on High School Students' Motivation to Write
Presenter(s): Wolfrum, Alisha
Faculty Sponsor(s): Phillips, Michael
Graduate Presentation

Educational Studies
Parental Involvement and Student Academic Success of 7th Grade AVID Students
Presenter(s): Jurado, Marisol
Faculty Sponsor(s): Bezyak, Jill
Undergraduate Presentation

**Research Excellence Award Finalist**
Saudi International College Female Students' Social Media Identity
Presenter(s): Alruwaili, Tahani
Faculty Sponsor(s): Gall, James
Graduate Presentation

English
We Will Carry the Word: Telling Victims' Stories and Telling Our Own
Presenter(s): Kraver, Jeraldine R.
Faculty Sponsor(s): Kraver, Jeraldine R.
Undergraduate Presentation

Film Studies
Rough Cut: A Look into Women's Roles in Contemporary Cinema
Presenter(s): Gresko, Gina
Faculty Sponsor(s): Crow, Loree
Undergraduate Presentation

Higher Education & Student Affairs Leadership
History of Academic Freedom for Faculty in the United States of America
Higher Education & Student Affairs Leadership
Presenter(s): Ingrisano, Jaime; Gorecki, Eric; Garcia, Fabian;
Faculty Sponsor(s): Guido, Flo
Graduate Presentation

The Development and Assessment of a Bystander Intervention Educational Program for Undergraduate Students
Higher Education & Student Affairs Leadership
Presenter(s): McCully, Savannah
Faculty Sponsor(s): Haynes, Chayla
Undergraduate Presentation

Human Services
Communication and Relationships Between Primary Care Physician and Refugees
Presenter(s): Anderson, Kirsten
Faculty Sponsor(s): Bezyak, Jill
Undergraduate Presentation

Mathematics
Face-wise Chromatic Number
Presenter(s): Myrant, Catrina
Faculty Sponsor(s): Levin, Oscar
Undergraduate Presentation

Meteorology
Defining the Spatial and Maximum Intensity of the Louisville Urban Heat Island
Presenter(s): Clark, Joshua
Faculty Sponsor(s): Shellito, Lucinda
Undergraduate Presentation

Nursing
Cost Benefit Analysis of Nasal Bridles to Secure Enteral Feeding Tubes at the VA Hospital
Presenter(s): Dancho, Angela
Faculty Sponsor(s): Henderson, Ann
Graduate Presentation

Saving Time and Money: Implementing an Operative Case Manager at Poudre Valley Hospital
Presenter(s): Gryskiewicz, Courtney
Graduate Presentation
Fast Track in the Emergency Department  
**Presenter(s):** Howes, Pam  
**Faculty Sponsor(s):** Henderson, Ann  
**Graduate Presentation**

**Research Excellence Award Finalist**  
**Cost Benefit Analysis of Improving Outcomes by Accurately Assessing Body Temperature Using Temporal Artery Scan Thermometers**  
**Presenter(s):** Murphy, Lesley  
**Faculty Sponsor(s):** Henderson, Ann  
**Graduate Presentation**

**Physics**  
Walking on Oil: Hydrodynamical Analogs of Quantum Phenomenon  
**Presenter(s):** Gregg, Eric  
**Faculty Sponsor(s):** Chaloupka, Jan  
**Undergraduate Presentation**

**Psychology**  
School Stress, Academic Performance, and Coping in College Freshmen  
**Presenter(s):** Hill, Curtis  
**Faculty Sponsor(s):** Hess, Robyn  
**Undergraduate Presentation**

**Social Science**  
The Paradoxical History and Continuity of the Objectified Female Sexuality  
**Presenter(s):** Acosta, Benjamin  
**Faculty Sponsor(s):** Boyce, Travis  
**Undergraduate Presentation**

The Factors that Explain the Use of Complementary and Alternative Medicine in Undergraduates  
**Presenter(s):** Sanchez, Erin  
**Faculty Sponsor(s):** Hutchinson, Susan  
**Undergraduate Presentation**

"Bringing Education to Life" at the Global Refugee Center  
**Presenter(s):** Stone, Fallon; Mullane, Courtney; Strong, Brianna;  
**Faculty Sponsor(s):** Marston, Christine  
**Undergraduate Presentation**

**Special Education**  
Ethical Codes for Studying Exceptional Students  
**Presenter(s):** Lee, Chin-Wen  
**Faculty Sponsor(s):** Lahman, Maria  
**Graduate Presentation**

**Research Excellence Award Finalist**  
Beyond the Minimalist Ethical Codes: Research with Young Children  
**Presenter(s):** Mongkolrat, Raveema  
**Faculty Sponsor(s):** Lahman, Maria  
**Graduate Presentation**

**Research Excellence Award Finalist**  
Using Communication Applications on iPad: To Request My Needs  
**Presenter(s):** Shugdar, Effat  
**Faculty Sponsor(s):** Luckner, John  
**Graduate Presentation**

**Sports and Exercise Science**  
**Research Excellence Award Finalist**  
Aerobic and Cognitive Training Improves Psychosocial Variables in Cancer Survivors Following Radiation Therapy  
**Presenter(s):** Beebe, Corey  
**Faculty Sponsor(s):** Hayward, Reid  
**Graduate Presentation**

The Effects Of Aerobic Training On Cognitive Function In A Brain Cancer Survivor: A Case Study  
**Presenter(s):** Brennecke, Alyse  
**Faculty Sponsor(s):** Hayward, Reid  
**Graduate Presentation**

**Research Excellence Award Finalist**  
Hockey fans unite: A uses and gratifications examination of how active Twitter use gratifies a need for connection among like-minded NHL fans  
**Presenter(s):** Fischer, Kerry  
**Faculty Sponsor(s):** Gray, Dianna  
**Graduate Presentation**
Effect Of Aerobic Exercise Training On Cancer
Induced Cardiac Dysfunction
Presenter(s): Parry, Traci
Faculty Sponsor(s): Hayward, Reid
Graduate Presentation

Afternoon Poster Session 1:00 PM – 3:00 PM
Mt. Evans & Pikes Peak Ballroom

Anthropology
**Research Excellence Award Finalist**
Reconstructing activity patterns at Epidamnus, Albania: Impacts of Greek and Roman colonization
Presenter(s): Wright, Jennifer
Faculty Sponsor(s): McIlvaine, Britney
Undergraduate Presentation

Applied Statistics and Research Methods
Caring for Participants: Conducting Responsive Research for Society’s Benefit
Presenter(s): Neamphoka, Guntima
Graduate Presentation

Art & Design
**Research Excellence Award Finalist**
Greca; Use of Art as a Social Distinguisher in Mexico
Presenter(s): Bugarin Correa, Arturo
Faculty Sponsor(s): Coronel, Chip; Weis, Robert
Undergraduate Presentation

Audiology & Speech-Language Sciences
Traditional Conditioned Play Audiometry versus Visually Reinforced Operant Conditioning Audiometry
Presenter(s): Kinter, Kathleen
Faculty Sponsor(s): Weber, Jennifer
Graduate Presentation

Social and Reading Inference Performance in Typically Developing College Students
Presenter(s): Krehbiel, Pamela
Faculty Sponsor(s): Murza, Kimberly
Undergraduate Presentation

The Cochlear Implant in Children
Presenter(s): Starr, Brooke
Faculty Sponsor(s): Kim, Youb
Undergraduate Presentation

Biology
**Research Excellence Award Finalist**
Insights from a hybrid zone: song diversity and song evolution among sage sparrows in Owens Valley California
Presenter(s): King, Carissa
Faculty Sponsor(s): Benedict, Lauryn
Undergraduate Presentation

Chemistry
Synthesis of A Nitrogen Containing Heterocycle for Analysis of Metalloproteins
Presenter(s): Baier, Ernest; Reynolds, Brian;
Faculty Sponsor(s): Houser, Robert
Undergraduate Presentation

Improving Conceptual Assessment In Organic Chemistry: A Case Of Stereochemistry
Presenter(s): Leontyev, Alexey
Faculty Sponsor(s): Hyslop, Richard
Graduate Presentation

Communication
The Effect of Gender Roles and Conflict Communication Management on Domestic Violence: A College Student Perspective
Presenter(s): Cooper, Nikki
Faculty Sponsor(s): Donley, Melissa
Undergraduate Presentation

Criminology
**Research Excellence Award Finalist**
What’s Love Got To Do With It? How Minor Property Crime Relates to Domestic Violence
Presenter(s): Holien, Jaclyn
Faculty Sponsor(s): West-Smith, Mary
Undergraduate Presentation
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**Gene regulation in the brain: characterization of the schizophrenia zinc finger protein ZNF804a**  
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Faculty Sponsor(s): Frietze, Seth  
**Undergraduate Presentation**

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