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2014 Research Day Program

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UNIVERSITY of
NORTHERN COLORADO

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

Bringing
education
to life.

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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Jodi Holman, Event Planning
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Teresa McDevitt, AVP for Research
Robbyn Wacker, Provost

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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
Arturo Bugarin Correa**

***Direct questions regarding
Research Day and Academic Excellence Week to***

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A full list of abstracts is available on the website at www.unco.edu/aew

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
or e-mail us at 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

Greca; Use of Art as a Social Distinguisher in Mexico

Art & Design

Presenter(s): Bugarin Correa, Arturo

Faculty Sponsor(s): Coronel, Chip; Weis, Robert

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

The Influence of Historical Violin Treatises on Modern Teaching and Performance Practices

Music Education

Presenter(s): Hann, Hanna

Faculty Sponsor(s): Ehle, Robert

Female Sexual Socialization in Relation to Sexual Decision Making Processes

Women's Studies

Presenter(s): Amin, Lisha

Faculty Sponsor(s): Traxler, Karen

Influences of False-Evidence Ploys on Jurors' Verdicts and Perceptions of the Defendant

Psychology

Presenter(s): Best, Rachel

Faculty Sponsor(s): Traxler, Karen

The Effects Of A 12-Week Aerobic And Cognitive Training Intervention On Psychological, Muscular Endurance, And Attention In Cancer Survivors: A Pilot Study

Sport & Exercise Science

Presenter(s): McPhee, Rachel

Faculty Sponsor(s): Peterson, Brent

Research Excellence Oral Presentations

Council Room

Undergraduate Research Excellence Oral Presentations:

09:00am - 09:15am

6-Thiopurine and Thiol-Fluorescent Probes

Chemistry

Presenter(s): Forst, Tassie

Faculty Sponsor(s): Hyslop, Richard

9:15am - 9:30am

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

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

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

2:30pm – 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

1:30pm – 1:45pm

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

3:00pm – 3:15pm

Struggling for Air: The Union Balloon Corps and the Bureaucratic-Intelligence Experiment

History

Presenter(s): Snell, Timothy

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): Loftin, Larry; Lemonedes, Genia; Matsumoto, Courtney; McCue, Katie; Hannen, Christine;

Faculty Sponsor(s): Guido, Flo

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 Unharmred: The Image of the Child in The Hunger Games

English

Presenter(s): Harvey, Sara

Faculty Sponsor(s): Bovaird-Abbo, Kristin

10:00am - 10:15am

Council Room

Identifying Low- to Moderate-Income Taxpayer Preferred Characteristics for §25B Design

Business Administration

Presenter(s): Neel, Jake

Faculty Sponsor(s): Cahalan, Joseph

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

08:30am

The Effects of Bats on the Influx of Nutrients and Communal Diversity of Cliff Ecosystems

Presenter(s): Rolfe, Ashley

Faculty Sponsor(s): Adams, Rick

8:40am

Identifying and Characterizing Three-finger Toxins in Rear-fanged Snake Venoms

Presenter(s): Modahl, Cassie

Faculty Sponsor(s): Mackessy, Steve

8:55am

BTB-zinc finger transcriptional regulator ZBTB24 and its role in human disease

Presenter(s): Gerrard, Diana

Faculty Sponsor(s): Frietze, Seth

9:05am

Mixed Methods Exploratory Study on Biology Undergraduate Choices, Persistence, and Departure

Presenter(s): Munyaka, Biscah

Faculty Sponsor(s): DeChenne, Sue Ellen

9:15am

A Method to Isolate Bovine Corpora Lutea Cells using Percoll Gradient Fractionation

Presenter(s): Graham, Peter E.

Faculty Sponsor(s): Burns, Patrick

9:30am

Vegetative Classification of the Pawnee National Grassland, USA

Presenter(s): Brandt, Amber

Faculty Sponsor(s): Franklin, Scott

9:45am

Tzabcanin, a novel snake venom disintegrin, inhibits $\alpha V\beta 3$ -mediated cell adhesion and migration in melanoma (A-375) cells

Presenter(s): Saviola, Anthony

Faculty Sponsor(s): Mackessy, Stephen

10:00 - 10:15am Break

10:15am

*BMP signaling in the somatic cyst stem cell lineage in *Drosophila melanogaster* testes*

Presenter(s): Major III, James

Faculty Sponsor(s): Leatherman, Judith

10:30am

Ecology, Life History, and Signal Complexity: Rock Wren Song Repertoires

Presenter(s): Najar, Nadjé

Faculty Sponsor(s): Benedict, Lauryn

10:45am

Antiflaviviral therapy: future prospects from today's drugs

Presenter(s): Jubair, Widian

Faculty Sponsor(s): Keenan, Susan

10:55am

Layer Specific Dopaminergic Effects on Frequency Dependent Short-term Synaptic Plasticity

Presenter(s): Leyrer, Jonna

Faculty Sponsor(s): Thomas, Mark

11:10am

The Role of Cytosolic Calcium in Persistent Firing of Layer V Pyramidal Neurons in mouse mPFC

Presenter(s): Johnson, Vanessa

Faculty Sponsor(s): Thomas, Mark

11:20am

*Behavioral type and social network organization in the Spiny-tailed Iguana (*Ctenosaura similis*)*

Presenter(s): Nash, AE

Faculty Sponsor(s): Mackessy, Stephen

11:35am

*Genetic Studies of the Mariposa Lily (*Calochortus gunnisonii*): An Investigation of Potential Plant Population Divergence and Speciation Mechanisms*

Presenter(s): Fuller, Ryan

Faculty Sponsor(s): McGlaughlin, Mitchell

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 Unharmred: 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
Graduate 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

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, Eledora; 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, Danae

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

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 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

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 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: 13,14

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

Educational Technology

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 Creatine Incubation on
Doxorubicin-induced muscle Dysfunction.***

Presenter(s): Bredahl, Eric

Graduate Presentation

****Research Excellence Award Finalist****

***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

***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

Criminal Justice

Research Excellence Award Finalist

What's Love Got To Do With It? How Minor Property Crime Relates to Domestic Violence

Presenter(s): Holien, Jacyln
Faculty Sponsor(s): West-Smith, Mary
Undergraduate Presentation

Earth Sciences

Relationships Between Lava Lake Thermal Patterns and Active Eruption Processes at Kilauea Volcano, Hawaii

Presenter(s): Burzynski, Amy

Faculty Sponsor(s): Anderson, Steven

Graduate Presentation

Educational Studies

Research Excellence Award Finalist

The Preliminary Effects of Colorado Senate Bill 10-191: Educator Effectiveness on Secondary Education Preservice Teachers

Presenter(s): Crandell, Michelle

Faculty Sponsor(s): Boyce, Travis

Undergraduate Presentation

Educational Technology

The relationship between personality traits and the behaviors of Facebook users

Presenter(s): Alebrahim, Fatimah

Faculty Sponsor(s): Gall, James

Graduate Presentation

Elementary Education

Affirming Self-Identity to Create a Healthy Classroom Environment

Presenter(s): Montgomery, Jazmin

Faculty Sponsor(s): Kim, Youb

Undergraduate Presentation

Foreign Languages

Evidence for Universal Grammar in Nicaraguan Sign Language

Presenter(s): Gonzalez, Martin

Faculty Sponsor(s): Ryan, John

Undergraduate Presentation

Higher Education & Student Affairs Leadership

Missing Allies: Failing to Meet the Needs of Transgender Students in Campus Recreation (and Student Affairs)

Presenter(s): Patchett, Erin; Foster, Jason;

Faculty Sponsor(s): Gray, Dianna

Graduate Presentation

Music

Imagination to Music: Creating an Orchestral Score for a Silent Film, "The Nut"

Presenter(s): James, Amelia

Faculty Sponsor(s): Ehle, Robert

Undergraduate Presentation

Research Excellence Award Finalist

The Influence of Historical Violin Treatises on Modern Teaching and Performance Practices

Presenter(s): Hann, Hanna

Faculty Sponsor(s): Ehle, Robert

Undergraduate Presentation

Nursing

Hypodermoclysis: A Cost Benefit Analysis

Presenter(s): Barden, Jennifer

Faculty Sponsor(s): Hummel, Faye

Graduate Presentation

Potential Healthcare Savings Of Using EMR & Pharmacy Software To Reduce Delayed Medication Distribution Nonadherence At A Free Clinic

Presenter(s): DeJoseph, Douglas

Faculty Sponsor(s): Hummel, Faye

Graduate Presentation

Patient Sitter Program: A Cost Benefit Analysis

Presenter(s): Gertz, Courtney

Faculty Sponsor(s): Hummel, Faye

Graduate Presentation

Alternative Strategies to Reduce Sitter Program in General Hospital

Presenter(s): Karimi, Stephen

Graduate Presentation

Saving supply dollars and reducing waste in the hospital: streamlining arterial line kits in a medical intensive care unit

Presenter(s): King, Sonya

Faculty Sponsor(s): Hummel, Faye

Graduate Presentation

The Affordable Care Act: A Cost-Benefit Analysis

Presenter(s): Morse, Lee Ann

Graduate Presentation

The Cost Benefit of Confirming Employees Take a Full 30 minute Unpaid Break

Presenter(s): Olson, Stephanie

Faculty Sponsor(s): Hummel, Faye

Graduate Presentation

Is Going Green Always Cost Effective? A Study on Battery Use at an Acute Care Facility

Presenter(s): Polk, Travis

Faculty Sponsor(s): Hummel, Faye

Graduate Presentation

Cost benefit analysis of daily chlorhexidine bathing in an inpatient hematology-oncology unit

Presenter(s): Rush, Andrea

Faculty Sponsor(s): Hummel, Faye

Graduate Presentation

Cost Benefit Analysis of Temporary versus Permanent Staffing Strategies of Registered Nurses

Presenter(s): Sewczak, Elizabeth

Faculty Sponsor(s): Hummel, Faye

Graduate Presentation

Cost-Benefit Analysis of Preventing Patient Handling Injuries to Nurses by Implementing Safe Patient Handling Programs

Presenter(s): Somes, Anne

Graduate Presentation

Cost Benefit Analysis: Effectiveness of Reprocessed Single-Use Medical Devices

Presenter(s): Than, Huy

Graduate Presentation

A Cost Benefit Analysis of Dialysis Access Site Antiseptics and Access Site Infections

Presenter(s): Williams, Stacy

Graduate Presentation

To Staff or Not To Staff?

Presenter(s): Zawatski, Emily

Faculty Sponsor(s): Hummel, Faye

Graduate Presentation

Cost/Benefit Analysis of Per Diem Staff or Full-Time RN's in an Emergency Room

Presenter(s): Jorgensen, Tiffany

Faculty Sponsor(s): Hummel, Faye

Graduate Presentation

Physics

Assembling an Optical Trap

Presenter(s): Holmes, Brad

Faculty Sponsor(s): Sung, Ruwang

Undergraduate Presentation

Psychology

Research Excellence Award Finalist

Influences of False-Evidence Plays on Jurors' Verdicts and Perceptions of the Defendant

Presenter(s): Best, Rachel

Faculty Sponsor(s): Traxler, Karen

Undergraduate Presentation

A review of literature concerning caregiver burden and depression

Presenter(s): Owens, Emily

Faculty Sponsor(s): Karlin, Nancy

Undergraduate Presentation

Adolescents and Disclosure: Influence of Stigma and Knowledge of Psychological Diagnosis

Presenter(s): Trimble, Kyra

Faculty Sponsor(s): Traxler, Karen

Undergraduate Presentation

Cue Reactivity of Marijuana Craving: An investigation Examining Cognitive and Academic Impairment

Presenter(s): Vigil, Daniel

Faculty Sponsor(s): Phillips, Kristina

Undergraduate Presentation

School Psychology

Elementary Educators' Experiences With Children With Mental Health Concerns

Presenter(s): Leeper, Liz

Faculty Sponsor(s): Lahman, Maria

Graduate Presentation

Depression and Anxiety Classifications on the BIMAS Teacher Rating Scale

Presenter(s): Leeper, Liz; Byrd, Jessica;

Faculty Sponsor(s): Bardos, Achilles

Graduate Presentation

Social Science

Interview results from the Global Refugee Center

Presenter(s): Gamlin, DeVaughn; Polk-McKereghan, Kirsten; Hernandez, Chelsea;

Faculty Sponsor(s): Marston, Christine

Undergraduate Presentation

Service Learning at the Global Refugee Center

Presenter(s): Stickler, Carson; Pellman, Justin;

Raimer, Lorenzo;

Faculty Sponsor(s): Marston, Christine

Undergraduate Presentation

Sociology

Isolating the Markers from the Ideologies of Islam: A Quantitative Approach In Defining "Islamophobia"

Presenter(s): Hanna, Luke

Faculty Sponsor(s): Packard, Joshua

Undergraduate Presentation

Special Education

Issues and Tools in Screening for Emotional Behavioral Disorders

Presenter(s): Alamer, Hussain

Faculty Sponsor(s): Pierce, Corey

Graduate Presentation

Hands On Teaching: How teachers support the emergent literacy development of young children with visual impairments

Presenter(s): Moe, Christine

Faculty Sponsor(s): ,

Graduate Presentation

Sports & Exercise Science

Research Excellence Award Finalist

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

Presenter(s): Medrano, Jesus

Faculty Sponsor(s): Hayward, Reid

Undergraduate Presentation

Student Athletes: The Impact of Disparate Athletic and Academic Autonomy Demands

Presenter(s): Brottem, Lainey;

Faculty Sponsor(s): Lahman, Maria

Graduate Presentation

An Expanded Look At The Relationship Between Personality And Sport Participation And Commitment

Presenter(s): Hungenberg, Eric

Graduate Presentation

Research Excellence Award Finalist

The Effects Of A 12-Week Aerobic And Cognitive Training Intervention On Psychological, Muscular Endurance, And Attention In Cancer Survivors: A Pilot Study

Presenter(s): McPhee, Rachel

Faculty Sponsor(s): Peterson, Brent

Undergraduate Presentation

Determining the Realized Civic Benefit of Publically Funded Sports Stadia Using Contingent Valuation Method Retrospectively: A Case Study

Presenter(s): Must, Emily

Graduate Presentation

Postural Stability and Hip Abductor Strength

Presenter(s): Ojerio, JT

Faculty Sponsor(s): Heise, Gary

Undergraduate Presentation

Determinants of Fan Identification with Top Ranked Professional Tennis Players

Presenter(s): Rondon Azcarate, Alex

Graduate Presentation

Women's Studies

Research Excellence Award Finalist

Female Sexual Socialization in Relation to Sexual Decision Making Processes

Presenter(s): Amin, Lisha

Faculty Sponsor(s): Traxler, Karen

Undergraduate Presentation

Biology Poster Session 3:30 PM – 4:30 PM

Mt. Evans Ballroom

Biology

Long-chain fatty acid composition in bovine luteal cell lipid microdomains

Presenter(s): Adams, Bryce; Lamb, Luciana; Plewes, Michele

Faculty Sponsor(s): Burns, Patrick
Undergraduate Presentation

Gene Annotation in Drosophila biarmipes as part of the Genomics Education Partnership (GEP)

Presenter(s): Benson, Emily

Faculty Sponsor(s): Leatherman, Judith
Undergraduate Presentation

Joint action approach to studying the effects of pesticides on the multiple life cycle stages of the marine copepod Tigriopus californicus

Presenter(s): Cameron, Lindsay

Faculty Sponsor(s): Fisher, Ginger
Undergraduate Presentation

Beyond Bloom's: An Evaluation of Post-Laboratory Review Questions In Majors and Non-Majors Introductory Biology Laboratory Manuals

Presenter(s): Crewse, Matthew

Faculty Sponsor(s): Olimpo, Jeffrey
Undergraduate Presentation

Decreased Leishmania major parasite numbers correlate with up-regulated IL-22 expression

Presenter(s): Dunn, Amy

Faculty Sponsor(s): DeKrey, Gregory
Undergraduate Presentation

Individuality in Canyon Wren Birdsong

Presenter(s): Eickelman, Kelsey

Faculty Sponsor(s): Benedict, Lauryn
Undergraduate Presentation

Cellular Heterogeneity in Luminal Breast Cancers: Why are Basal-like Cells in Luminal Tumors?

Presenter(s): Ferrara, Brittany

Faculty Sponsor(s): Haughian, James
Undergraduate Presentation

Effects of Experimentally Reduced Food Availability on a Captive Colony of Jamaican Fruit Bats (Artibeus jamaicensis)

Presenter(s): Gonzales, Kelsey

Faculty Sponsor(s): Adams, Rick
Undergraduate Presentation

Epithelial to Mesenchymal Transition Induction by zfh-1

Presenter(s): Kennedy, Rana

Faculty Sponsor(s): Leatherman, Judith
Undergraduate Presentation

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

Fluorolysis Assay Development

Presenter(s): Kunes, Madeline; Arreola, Desiree;

Faculty Sponsor(s): DeKrey, Gregory
Undergraduate Presentation

Are Mycorrhizal Fungi Helping Plants or Insect Herbivores during Three-Way Interactions?

Presenter(s): Mahaney, Sean; Kelly, Michael;

Faculty Sponsor(s): Gomez, Susana
Undergraduate Presentation

Suitable Rock Wren Nest Crevice Habitats

Presenter(s): Murguia, Cynthia

Faculty Sponsor(s): Benedict, Lauryn

Undergraduate Presentation

Examination of the EGFR Pathway in

Drosophila Through RafRNAi

Presenter(s): Murray, Geoffrey

Faculty Sponsor(s): Leatherman, Judith

Undergraduate Presentation

*Effect of fish oil on lateral mobility of
prostaglandin F2a (FP) receptors on bovine
luteal cell plasma membrane*

**Presenter(s): Rathbone, Kylie; Dramann,
Aaron;**

Faculty Sponsor(s): Burns, Patrick

Undergraduate Presentation

*Examination of the requirement for medea and
BMP signaling in the cyst stem cells of the
Drosophila testis niche*

Presenter(s): Roberts, Nicole

Faculty Sponsor(s): Leatherman, Judith

Undergraduate Presentation

*Examination of the role of BMP signaling in
cyst stem cells of the Drosophila testis*

Presenter(s): Yang, Sarah

Faculty Sponsor(s): Leatherman, Judith

Graduate Presentation

*Gene regulation in the brain: characterization of
the schizophrenia zinc finger protein ZNF804a*

Presenter(s): Yaninek, Andera

Faculty Sponsor(s): Fietze, Seth

Undergraduate Presentation

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	<div>Elevator</div>		
Columbine B	Spruce C	Spruce B	Spruce A

Stairs

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