

CELEBRATING RESEARCH
AND CREATIVITY

GRADUATE STUDENT SHOWCASE

NOVEMBER 9, 2017



GRADUATE SCHOOL
COLORADO STATE UNIVERSITY



ACKNOWLEDGMENTS

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College of Natural Sciences	<i>Graduate Student Research Award</i>
College of Veterinary Medicine and Biomedical Sciences	<i>CVMB Top Scholars</i>
Walter Scott, Jr. College of Engineering	<i>Walter Scott, Jr. College of Engineering Excellence in Research</i>
Warner College of Natural Resources	<i>Warner Top Scholars</i>

Thank you for joining us at the Graduate Student Showcase. Special appreciation goes to all of the graduate students who presented, as the Graduate Student Showcase would not have been possible without your willingness to share your creative works and scholarship. An additional thank you to the judges who volunteered for the Graduate Student Showcase. Your time and efforts truly made all the difference in allowing us to recognize and celebrate graduate student excellence here on campus.

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Poster and Visual Art Presentations by Group

9:30 a.m.-11:30 a.m. **GREEN**
Poster and Visual Art Presentations

10:30 a.m.-12:30 p.m. **GOLD**
Poster and Visual Art Presentations

Please Note:

Odd-numbered abstracts are in the **GREEN** presenting group.

Even-numbered abstracts are in the **GOLD** presenting group.

Performing Arts Performance Times

Time	Performer
9:40 a.m.	Heather Nicole Ewer
9:50 a.m.	Emma Catherine Hyché
10:00 a.m.	Katherine Grace Indermaur
10:10 a.m.	Sam Lynn Killmeyer
10:20 a.m.	INTERMISSION
10:50 a.m.	Michelle E Lacrosse
11:00 a.m.	David James Mucklow
11:10 a.m.	Zach Evan Yanowitz

ABSTRACTS BY NUMBER

Abstract Number / Presenter / Title / College

PERFORMING ARTS

- 9:40 Heather Nicole Ewer**
Selection from Band of Misfits:
A Marching Band Musical
College of Liberal Arts
- 9:50 Emma Catherine Hyche**
The Final Girl: Poetry and the Horror
Genre
College of Liberal Arts
- 10:00 Katherine Grace Indermaur**
"This Land Open": A Poetic Exploration
of Wyoming's Environmental History
College of Liberal Arts
- 10:10 Sam Lynn Killmeyer**
Daughter
College of Liberal Arts
- 10:50 Michelle E Lacrosse**
Excerpt Thesis Reading - Sailing
College of Liberal Arts
- 11:00 David James Mucklow**
still, the west
College of Liberal Arts
- 11:10 Zach Yanowitz**
Unlimited
College of Liberal Arts

VISUAL ARTS

- 1 Lauren Faherty**
Using Digital Fabrication to Rethink the
Ways of Creating Form
College of Liberal Arts
- 2 Alexandra Forsythe**
Human Hair as an Artistic Material
College of Liberal Arts
- 3 Adam Jones**
Icons
College of Liberal Arts
- 4 Christy Nelson**
The Art of Repair
College of Liberal Arts
- 5 Kyle Singer**
An Act of Cathartic Expression that
Abreact Trauma Through Sublimation
College of Liberal Arts
- 6 Emily Sullivan**
Exposing the Super-Local
College of Liberal Arts

Abstract Number / Presenter / Title / College

RESEARCH, SCHOLARSHIP, AND ENTREPRENEURSHIP

- 7 Haroon Abasy**
Investing on Dry Fruits & Job Creation
College of Business
- 8 Ali Abbas**
Twisted and Coiled Sensor for Shape
Estimation of Soft Robots
Walter Scott, Jr. College of Engineering
- 9 Farshad (Fred) Abdollah Nia**
Higher-Order Fluorescence Correlation
Spectroscopy
College of Natural Sciences
- 10 Bahareh Abdollahipoor**
Blending Effects of Hydrous and
Anhydrous Ethanol on Gasoline
Properties
Walter Scott, Jr. College of Engineering
- 11 Evan Robert Acerbo**
The Effects of Sulforaphane on
Nitric Oxide Induced Mitochondrial
Dysfunction
College of Veterinary Medicine and
Biomedical Sciences
- 12 Diane Charlot Aceveda**
Protein Engineering Your Way to Potent
and Selective Biologics
College of Natural Sciences
- 13 Sebastian Phillip Adams**
Educational Psychology: Teacher-
Student Rapport in the Secondary
Music Ensemble
College of Liberal Arts
- 14 Saeid Aghahosseini Shirazi**
Development a Database for Alcohols
as SI Engine Fuels
Walter Scott, Jr. College of Engineering
- 15 Neha Harish Ahuja**
Myocardial Afterload is a Key Regulator
of Valve Development
Intra-University
- 16 Taghreed Mohammed M Al Turki**
TERRA in the Telomeric DNA Damage
Response
Intra-University
- 17 Yeva Aleksanyan**
The Effect of War on Sex and Survival
of Children
College of Liberal Arts

Abstract Number / Presenter / Title / College

- 18 Alyssa Jean Aligata**
Effect of Cellular Composition on
Acoustic Harvesting of Microalgae
Walter Scott, Jr. College of Engineering
- 19 Hanan Alqarni**
Using Needs Analysis as a Tool for ESP
Curriculum Alignment
College of Liberal Arts
- 20 Radi Alsulami**
The Role of Physical/Chemical
Properties of Fuels on Flame Stability
Walter Scott, Jr. College of Engineering
- 21 Emily Kay Amedee**
"More Than Your Major": A Call for a
Transdisciplinary Curriculum
College of Liberal Arts
- 22 Shelly Annameier**
Community Based Type 2 Diabetes
Prevention in Hispanic/Latino
Adolescents
College of Health and Human Sciences
- 23 Bethy A Astella**
Multiple Realities of Natural Resources
Warner College of Natural Resources
- 24 Broc Eldon Bainter**
African Impact: Curriculum for Teaching
English
College of Liberal Arts
- 25 Jessica Leigh Baker**
Sustainable Transfer of Innovative
Drinking Water Technology to South
Africa
Walter Scott, Jr. College of Engineering
- 26 Lydia R Baldwin**
Restoring Carbon Accumulating
Processes in a Degraded Wet Meadow
Intra-University
- 27 Carla Mayzie Bamesberger**
Evidence of Reading Comprehension
Strategies in Adult and Non-Adult-
Oriented Cartoons
College of Liberal Arts
- 28 Giovana Batista**
Urban Water Demand Characterization
in Sao Paulo, Brazil, Using IUWM
Walter Scott, Jr. College of Engineering
- 29 Micah Lee Battson**
The Obese Gut Microbiome Promotes
Arterial Stiffening in Lean Mice
College of Health and Human Sciences

ABSTRACTS BY NUMBER

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- 30 Braden Dale Beckstrom**
Life-Cycle and Techno-Economic Harmonization of Reported Algal Biofuel Process Results
Walter Scott, Jr. College of Engineering
- 31 Laura Janell Beese**
Communal Music and Prosocial Skills in Children: Exploring the Connections
College of Liberal Arts
- 32 Aerial D Belk**
Microbial Clocks to Estimate the Postmortem Interval of Human Remains
College of Agricultural Sciences
- 33 Amina Benkamla**
History, Identity, Memory: Khadra's What the Day Owes the Night
College of Liberal Arts
- 34 Samiha A Mohamed Benrabaa**
Transcriptomics of Halloween and Ecdysone-Responsive Gene Expression in *Gecarcinus lateralis*
College of Natural Sciences
- 35 Stefanie Alexandra Berganini**
North Fort Collins: Social Services at the Urban Frontier
College of Liberal Arts
- 36 Richard E Berl**
Stories of Prestige, Creation, and the Evolution of Culture
Warner College of Natural Resources
- 37 Deniz Besiktepe Karaman**
MCDM Model For Repair & Replacement Decisions of Condition Based Building Maintenance
Walter Scott, Jr. College of Engineering
- 38 Harmonie Marie Bettenhausen**
Metabolomic Analysis on Impact of Barley Variety on Beer Flavor
College of Health and Human Sciences
- 39 Tom Edward Bickett**
BCG and Innate Immunity
Intra-University
- 40 Tyler James Biebighauser**
Dynein at the Kinetochore
College of Natural Sciences
- 41 Kelsey Reid Bilsback**
Household Cookstoves: A Comprehensive Assessment of Health-Relevant Emissions
Walter Scott, Jr. College of Engineering

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- 42 Terrance Tyler Bishop**
Visualizing the Cytoskeleton Architecture of Mammalian Sperm Flagella
Walter Scott, Jr. College of Engineering
- 43 Hayley Eve Blackburn**
Hair Politics for Black Women in the Fictional Workplace
College of Liberal Arts
- 44 Sara Petrita Bombaci**
New Zealand's Eco-Sanctuaries Restore Native Bird Diversity and Seed Dispersal
Intra-University
- 45 Amy Elizabeth Boncella**
Effects of Aggregation-Promoting Mutations on Stress Granule Dynamics
College of Natural Sciences
- 46 Tyler Nathaniel Boone**
Visualizing Neutrino Interactions in the ICARUS Liquid Argon TPC
College of Natural Sciences
- 47 Andrea Deborah Booth-Kalajian**
Subcutaneous Fat: A Protector from Metabolic Dysregulation
College of Health and Human Sciences
- 48 Mark Elliott Bourgeois**
Characterizing an Out of Build Plane Continuous Fiber 3D-Printing System
Walter Scott, Jr. College of Engineering
- 49 Matt Robert Bowers**
Synaptotagmin's C2A Domain: No Longer Playing Second Fiddle
College of Veterinary Medicine and Biomedical Sciences
- 50 Amanda Jo Broad**
Investigating Aurora B Kinase Activity at Kinetochores During Cell Division
College of Natural Sciences
- 51 Colin Patrick Brook**
Influence of Perfluoroalkylated Fullerenes on Photodegradation of Organic Photovoltaics
College of Natural Sciences
- 52 AJ Joseph Brown**
Soil Salinity Measurement and Effects on Corn in Southeast Colorado
College of Agricultural Sciences

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- 53 Ashley Marie Budde**
The Effects of Zinc and Chromium Supplementation in Feedlot Cattle
College of Agricultural Sciences
- 54 Jennie Bukowski**
Simulating Middle Eastern Dust Storms: Uncertainty in Weather Forecast Models
Walter Scott, Jr. College of Engineering
- 55 Molly Dean Butler**
Novel Retrovirus Associated with Thymic Lymphoma in Gunnison's Prairie Dogs
College of Veterinary Medicine and Biomedical Sciences
- 56 Matthew David Cackovic**
Droplet Manipulation on a Surface Using the Triboelectric Effect
Walter Scott, Jr. College of Engineering
- 57 Maria Cristina Capurro**
Measuring Crop Water Use with a Novel Internet-of-Things Sap-Flow System
College of Agricultural Sciences
- 58 Amanda R Carlson**
Disturbance, Climate, and Regeneration in a Rocky Mountain Forest
Intra-University
- 59 Ivan Caro Terrazas**
Tomographic Particle Interaction Event Reconstruction in MicroBooNE
College of Natural Sciences
- 60 Kasimir Floyd Carranza**
Stem Cell Analysis of Fresh and Frozen Human Breast Milk
College of Veterinary Medicine and Biomedical Sciences
- 61 Cody S Carrell**
3D-Printed Rotational Manifold for Rapid Colorimetric Salmonella Detection
College of Natural Sciences
- 62 Natalia Infante Caylor**
Influence of EFNEP on the Quality of Life of Educators
College of Health and Human Sciences
- 63 Ting Cha**
Eyewall Replacement Cycle of Hurricane Matthew Observed by Doppler Radar
Walter Scott, Jr. College of Engineering

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- 64 Benjamin Eric Choat**
Baseflow Response to Varying Spatial Arrangements of Stormwater Infiltration Facilities
Walter Scott, Jr. College of Engineering
- 65 Shannon Lee Clark**
Comparing Herbicides for Residual Weed Control and Native Species Tolerance
College of Agricultural Sciences
- 66 Allison Cleymaet**
Automated Versus Manual Refractive Error Measurements in Domestic Cats
College of Veterinary Medicine and Biomedical Sciences
- 67 Susan C Clotfelter**
Game Changer: Evaluating Effects of the Video Game "Never Alone"
College of Liberal Arts
- 68 Victoria Elizabeth Combs**
Influence of Charge Ordering on Charge Separation in Perovskite Semiconductors
College of Natural Sciences
- 69 Alistair P Cook**
Globally Competent Engineers - Do International Experiences Matter?
College of Health and Human Sciences
- 70 Jimikaye Beck Courtney**
Modeling Relationships Between Activity, Motor Skills, and Weight in Preschoolers
College of Health and Human Sciences
- 71 Kelley Renee Covington**
Acute Effects of Exercise on Energy and Cancer Related Fatigue
College of Health and Human Sciences
- 72 Kari Miller Cowden**
Effects of Nanotubes on Osteogenic Differentiation of Adipose-Derived Stem Cells
Walter Scott, Jr. College of Engineering
- 73 Jesse Reed Cruce**
Harmonization of Economic Analyses for Biofuel Production from Algae
Walter Scott, Jr. College of Engineering
- 74 Randie Marguerite Culbertson**
Differences in Feeding Behavior for Feedlot and Grazing Cattle
College of Agricultural Sciences

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- 75 Jenae Marie Curley**
Getting the Most Out of Our Fruit and Vegetable Consumption
College of Health and Human Sciences
- 76 James Zachary Curlin**
Modeling HIV Evolution from SIV Using a Humanized Mouse Model
Intra-University
- 77 Mangesh Rajendra Dake**
Honda Refueling and Evaporative Emissions Computer-Aided Engineering
Walter Scott, Jr. College of Engineering
- 78 Adam Hans Danielson**
Advances in CdTe Photovoltaics: Research for Sustainable Clean Energy Solutions
Walter Scott, Jr. College of Engineering
- 79 Marielle Lindsay Darwin**
Biofeedback Efficacy in Individuals with Brain Injury: Does Age Matter?
College of Natural Sciences
- 80 Dominique Mariflor David-Chavez**
A Global Assessment of Climate Studies Engaging Indigenous Knowledge Systems
Warner College of Natural Resources
- 81 Cat Mcdougald de Vlaming**
Effectiveness of Light Traps for Detecting Razorback Sucker Larvae
Warner College of Natural Resources
- 82 Christopher James Dean**
AUIR: A High-Throughput Analysis Pipeline for Influenza Sequence Data
College of Veterinary Medicine and Biomedical Sciences
- 83 Heather Leigh Deel**
Using Internal Human Rib Microbiomes to Estimate Postmortem Interval
Intra-University
- 84 Carolina Del Pozo Aguilar**
Emoji: A Universal Form of Communication
College of Liberal Arts
- 85 Anthony Robert DeMario**
Development of a Miniature Legged Robot Using Multi-Material 3D Printing
Walter Scott, Jr. College of Engineering
- 86 Mortaza Derakhshani Molayousefi**
The Effect of Resins on Asphaltene Aggregation Propensity
College of Natural Sciences

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- 87 Katie DeRose**
Economic Viability of Algal Biofuel Production Through Fermentation and HTL
Walter Scott, Jr. College of Engineering
- 88 Deb Lynn Domres**
Transdisciplinarity (TD) - Dissolving Boundaries Among Applied Disciplines
College of Health and Human Sciences
- 89 Enrique Doster**
Antimicrobial Use in Beef Feedlot Production and Microbiome Dynamics
College of Veterinary Medicine and Biomedical Sciences
- 90 Channing Faith Downing Bice**
Love Across Borders and Travel Bans
College of Liberal Arts
- 91 Aryeh Jacob Drager**
Convective Cold Pool Responses to Soil Moisture
Walter Scott, Jr. College of Engineering
- 92 Ali Ebrahimpour Boroojey**
A New Graph Kernel Based on Traversal Edit Distance (GTED)
College of Natural Sciences
- 93 Kari Hope Ecklund**
A Novel Mechanism of Dynein Regulation by Microtubule-Associated Protein She1
College of Natural Sciences
- 94 Bridget E Eklund**
Effect on Microbiome and Immune Response from a Recombinant Bacterial-Vaccine
College of Veterinary Medicine and Biomedical Sciences
- 95 Megan R Emmons**
Modelling Emergent Swarm Behavior in Robots for Mapping Unknown Environments
Walter Scott, Jr. College of Engineering
- 96 Colby Evans**
Single Particle Electrochromics
College of Natural Sciences
- 97 Michelle Renee Fallon**
Synthesis of Low-Temperature Solid-State Materials Using a Triphenylphosphine Flux
College of Natural Sciences

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- 98 Caylee Falvo**
Immunity and Growth Trade-offs Vary with Elevation in a Hibernator
Intra-University
- 99 Kristen Marie Fedak**
Understanding Relationships Among Health-Relevant Pollutants Emitted from Cookstoves
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- 100 Mackenzie Jayne Ferrante**
Improving Vegetable Intake Amongst Children in Restaurants: A Pilot Study
College of Health and Human Sciences
- 101 Jessie Ellen Filer**
Nuclease-Protection ELISA for Colorimetric and Electrochemical Detection of Nucleic Acid
Intra-University
- 102 Emily Kay Fischer**
Potential Influence of Red Beetroot Juice Consumption on Endothelial Function
College of Health and Human Sciences
- 103 Dana Anne Flett**
Influence of Hydrology, Vegetation, and Land Use on Carbon Dynamics
Intra-University
- 104 Nora Elizabeth Flynn**
Investigating Deficit Irrigation as a Climate-Smart Management Opportunity
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- 105 Alex M Fout**
Protein Interface Prediction Using Graph Convolutional Networks
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- 106 Sean William Freeman**
Flying into Thunderstorms
Walter Scott, Jr. College of Engineering
- 107 Alex Jeanette Friedl**
Monumental Architecture and Power at Angamuco (Michoacán, Mexico)
College of Liberal Arts
- 108 Blake Fullenwider**
Preparation of Alternative Feedstock Powders for Use in Additive Manufacturing
Walter Scott, Jr. College of Engineering

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- 109 Sarah M Gallup**
Wet, Wetter, Wettest: Amazonian Rainforest Responsiveness to Recent Precipitation
Intra-University
- 110 Maybellene Pascual Gamboa**
Beating the Heat with Bigger Beaks: Adaptation in Island Birds
Intra-University
- 111 Ariana Lucia Garcia**
Examining the Role of Social Support for First-Generation College Students
College of Health and Human Sciences
- 112 Shane Daniel Garland**
Experimental Validation of a Waste Heat Driven Cooling System
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- 113 Philip Jacob Gasser**
Effects of Curcumin on SCFA Production via the Gut Microbiota
College of Health and Human Sciences
- 114 Mahsa Ghorbani**
A New Stock Price Prediction Method Using Covariance Information
Walter Scott, Jr. College of Engineering
- 115 Andrew Robbins Gillespie**
A New Perspective on Vincent Persichetti's King Lear
College of Liberal Arts
- 116 Ben Donald Golas**
Grab Your Batpacks: Measuring White-Nose Syndrome Affected Bats' Hibernation Conditions
Intra-University
- 117 Daniel Benjamin Goldschmidt**
Music Therapy and Music Cognition: Parallel Fields
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- 118 Natalie Danielle Marie Goodwin**
SMART-Valid: Identification of Biomarkers of Fruit and Vegetable Intake
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- 119 Robert J Griffin-Nolan**
Plant Trait Diversity Explains Grassland Responses to Drought
Intra-University

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- 120 Kira Ann Griswold**
FarmRise: Affordable, Accessible, Adoptable Agricultural Products Direct to Smallholder Farmers
College of Business
- 121 Carolina Gutierrez**
Insects Role Changes in Streams Under Shifting Environment and Climate
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- 122 Angela Rose Hanna**
Plasma Surface Modification of Zeolites with Gas Phase Diagnostics
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- 123 Edwin L Harris**
A GIS Approach to Identifying Roadways in an Ancient City
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- 124 Shannon Christine Hartley**
Red Beetroot Juice for Attenuating Postprandial Dysmetabolism in Overweight/Obese Adults
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- 125 Emad Hassan**
A Framework for Seismic Resilience and Recovery of Hospital Clusters
Walter Scott, Jr. College of Engineering
- 126 Kelly N Hassell**
Novel Anticancer Drug Delivery System... "Metallocages"
Intra-University
- 127 Adam Michael Heck**
Modulation of mRNA Stability Through RNA Methylation in Stem Cells
Intra-University
- 128 Mohammadhasan Hedayati**
Protein Interaction with Glycocalyx-Mimetic Surfaces: A Candidate for Blood-Compatible Materials
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- 129 Katrina Nicole Hedrick**
Critical Issues Facing Music Education: Analyzing the Music Educators Journal
College of Liberal Arts
- 130 Natascha Heise**
Implementation of Case Studies in the Undergraduate Cadaveric Classroom
College of Veterinary Medicine and Biomedical Sciences
- 131 Keni B Herman**
Asante Sana Energy Solutions
College of Business

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Impact of Flue Gas Integration on Advanced Microalgae Biofuel Production
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- 133 Gavin Lee Hester**
Discovery of a New Quantum Dimer Magnet with Uncommon Properties
College of Natural Sciences
- 134 Hailey Hibbard**
Synthesis of an Enzyme-Activated Nitric Oxide-Releasing Antibacterial Prodrug
College of Natural Sciences
- 135 Jasmin Alexis Hicks**
Bridging the Ultrastructural Gap at the Neuromuscular Junction
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- 136 Stacey Marie Hitchcock**
Nocturnal Convective Environments Observed During the PECAN Field Campaign
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- 137 Kristin Ruth Hoelting**
Pathways for Use of Cultural Ecosystem Services Knowledge in Decisionmaking
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- 138 Matt Gregory Hogan**
Estimating a Systematic Uncertainty in High Energy Particle Physics
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- 139 Elle Elnes Holbrook**
Identifying a Common Data Model Approach for Veterinary Medical Records
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- 140 Caitlin A Holland**
The Space Between: Mapping Prehistoric Farming Districts in Northwestern Colorado
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- 141 Chris Allen Hosier**
Developing and Controlling Gold Nanoparticle Surfaces for Directed Biological Applications
College of Natural Sciences
- 142 Arielle Rachelle Howell**
Are Changes in Dietary Arginine Detectable in Feline Muscle/Hair?
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- 143 Anish Sharad Jadhav**
Global Extinction Strain Rate Experiments of Single Large Hydrocarbon Fuels
Walter Scott, Jr. College of Engineering
- 144 Sam Jalali**
Regenerating Copper Sulfate from Footbaths to Prevent Heavy Metal Bioaccumulation
College of Agricultural Sciences
- 145 Ashley Jean Janich**
Detection of Permethrin Resistance in Aedes Albopictus from Chiapas, Mexico
College of Veterinary Medicine and Biomedical Sciences
- 146 Andrea M Jenney**
The Influence of Tropical Pacific Weather on U.S. Heat Waves
Walter Scott, Jr. College of Engineering
- 147 Ashlie Johnson**
Nutritional Analysis: Food Advertising During Children's Television Programming in Nepal
College of Natural Sciences
- 148 Megan Siobhan Jones**
Identifying Challenges and Supports for Women Conservation Leaders
Warner College of Natural Resources
- 149 Sneha Kadyan**
Global Fair Trade Cotton Production, Indian Farmers and Textile Industry
College of Liberal Arts
- 150 Duygu Kalan**
Indoor Air Quality Modeling for LEED Certified Buildings
Walter Scott, Jr. College of Engineering
- 151 Krystal Marie Kappeler**
Philanthropic Ripple Effects in the Capitalist Market
College of Liberal Arts
- 152 Emily Sue Johnson**
Leisure or Labor?: Unveiling Constructions of Wedding Planning via Pinterest
College of Liberal Arts
- 153 Courtland Kelly**
Long-Term Crop Rotation Effects on Soil Macrofauna and Water Dynamics
Intra-University

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- 154 Quy Van Khuc**
Bat Conservation at U Minh Thuong National Park, Vietnam
Warner College of Natural Resources
- 155 Tara Catherine Klinedinst**
The TODAY Project: Insight into Diabetes Management and Intervention Targets
College of Health and Human Sciences
- 156 Amanda Lynn Koch**
Imaging Viral-Mediated Protein Synthesis in Living Cells
College of Natural Sciences
- 157 Jordan Tyler Koehn**
Menaquinone-2 and Ubiquinone-2 Adopt Folded, U-shaped Conformations Contradicting Current Dogma
College of Natural Sciences
- 158 Beth Christine Krehbiel**
Genetic Structure Analysis of Bos Taurus and Bos Indicus Adaptability
College of Agricultural Sciences
- 159 Holly Holliday Lafferty**
Functional Diversity of Aquatic Macroinvertebrates Along a Stream-Size Gradient
Intra-University
- 160 Bradley M Lalande**
Metagenomic Approaches to Determine Soil Microbial Communities Associated with Armillaria
College of Agricultural Sciences
- 161 Lindsay G Lammers**
Cell Mechanics: How a Motor Protein Determines Cell Fate
College of Natural Sciences
- 162 Rod William Lammers**
River Erosion as a Source of Water Pollution
Walter Scott, Jr. College of Engineering
- 163 Florent Didier Lavergne**
Epicuticular Wax Variation Among Tissues and Cultivars of Triticum Aestivum
College of Agricultural Sciences
- 164 Dustin Michael Lee**
SGLT2 Inhibition Improves Vascular Dysfunction in Type-II Diabetic Mice
College of Health and Human Sciences

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- 165 Sarah I Leichty**
Does Residue Placement Affect Soil Carbon Dynamics in Irrigated Corn? Intra-University
- 166 Lance Christopher Li Puma**
FADS2 Overexpression Exacerbates Myocardial Injury in Mice: Role of Mitochondria
College of Veterinary Medicine and Biomedical Sciences
- 167 Katherine Jia Li**
Plasma Metabolome of Children with Elevated Cholesterol and Cardiovascular Risk
College of Veterinary Medicine and Biomedical Sciences
- 168 Nicole S Litwin**
Potential of Blueberries for Improving Endothelial Dysfunction in Postmenopausal Women
College of Health and Human Sciences
- 169 John Jun Long**
Interaction of Free-Living *Moeba* with Rice Pathogen *Xanthomonas Oryzae*
College of Agricultural Sciences
- 170 Hannah Beth Love**
The Importance of Mentoring for Interdisciplinary Scientific Teams
College of Liberal Arts
- 171 Jared James Luxton**
Telo-dGH: Personalized Diagnosis for Radiation Sensitivity and Secondary Cancer Risk
Intra-University
- 172 Jeffrey Ma**
Impurity Phase Effects on the Electrochemical Performance of Electrodeposited SnSb
College of Natural Sciences
- 173 Aaron Mark Magnuson**
Prolonged HFD Feeding is Associated with Visceral Lymph Node Fibrosis
College of Health and Human Sciences
- 174 Gunjan Shrikrishna Mahindre**
Reconstruction of Large Scale Networks from Partial Information
Walter Scott, Jr. College of Engineering
- 175 Michelle Nichole Mann**
Antibacterial Coatings Fabricated from Essential-Oil Components via Plasma Processing
College of Natural Sciences

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- 176 Diego Ignacio Manriquez Alvarez**
Intrauterine Infusion of Oregano Extract Produces Carvacrol Milk Residues
College of Agricultural Sciences
- 177 Mary Elizabeth Marisa**
Understanding the Crystallization Pathway of Synthetic Bone Mineral
College of Natural Sciences
- 178 Frank Wayne Marrs**
Latent Influence Networks in Global Environmental Politics
College of Natural Sciences
- 179 Craig Anthony Marshall**
Integrated Physiological Correlates of Osmoregulation in Trinidadian Swamp Guppies
College of Natural Sciences
- 180 Lindsey Anne Marshall**
Improved Fee Structure for Marine Managed Areas in the Caribbean
Warner College of Natural Resources
- 181 Kira Lee Marshall-mckelvey**
(Lip)stick It to the Man: Feminist Rhetorical Moves on YouTube
College of Liberal Arts
- 182 Ellen Claire Martin**
Shorebird Use of Military Lands in Interior Alaska
Warner College of Natural Resources
- 183 Jon Martinez**
Diagnosing the Rapid Intensification of Hurricane Patricia (2015) from Observations
Walter Scott, Jr. College of Engineering
- 184 Marco Antonio Martinez**
Tactile Waves - An Android Software Library for Sensory Substitution
Walter Scott, Jr. College of Engineering
- 185 Matthew George Marzo**
Yeast as a Screening Platform to Understand Muscular Dystrophy Diseases
College of Natural Sciences
- 186 Annalise Elizabeth Maughan**
Octahedral Tilting from Organic Cations in Defect-Ordered Hybrid Perovskites
College of Natural Sciences
- 187 Skyler Pendleton Mavor**
Geologic Map of the Maltby 7.5-Minute Quadrangle, Washington
Warner College of Natural Resources

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- 188 Shelby C McClelland**
Soil Carbon Dynamics in Perennial Grasslands Under Various Management
Intra-University
- 189 Marie C McGraw**
New Insights on Arctic-Midlatitude Dynamics and Feedbacks From Causal Discovery
Walter Scott, Jr. College of Engineering
- 190 Katy Elizabeth McIntyre**
A Friend Between Enemies: Cytokinins as New Broad-Spectrum Pesticide
Intra-University
- 191 Clifton Dyer Mckee**
Timing the Diversification of a Mammal Parasite, *Bartonella*
Intra-University
- 192 Ian Cook McLean**
3D-Printed Microfluidic Device for the Analysis of Intestinal Tissue
Walter Scott, Jr. College of Engineering
- 193 Catie G McVey**
Facial Biometrics as Non-Invasive Predictors of Dairy Health Traits
College of Agricultural Sciences
- 194 Sachintha Sarani Mendis**
Estimating Demand for Food Quantity and Quality in Urban China
College of Agricultural Sciences
- 195 Brian Anthony Mitchell**
Fruit Cluster Pruning in Organic High Tunnel Tomato Production
College of Agricultural Sciences
- 196 Dominique Francesca Montano**
New Depths: Lipid Influences on Aerobic Capacity in Marine Mammals
College of Natural Sciences
- 197 Shea Graeme Moore-Farrell**
Modeling Carbon Metabolism for Improved Drought Tolerance in Crops
Intra-University
- 198 Samantha Mosier**
Soil Organic Matter from Southern Pine Biofuel Feedstocks
Intra-University
- 199 Haley Elizabeth Moss**
Dynamic Profiles of Health Habits in Children: What, Where, When
Intra-Programs

ABSTRACTS BY NUMBER

Abstract Number / Presenter / Title / College

- 200 Sanli Movafaghi**
Hemocompatibility of Superhemophobic Titania Surfaces
Walter Scott, Jr. College of Engineering
- 201 Eve Madeline Mozur**
Understanding Dynamics to Elucidate the Electronic Properties of Hybrid Perovskites
College of Natural Sciences
- 202 Rebecca Malaika Much**
Quantifying the Effects of Non-Lethal Tools on Wolf Behavior
Warner College of Natural Resources
- 203 Subhojeet Mukherjee**
In-Vehicular Communication Security for Heavy Duty Vehicles
College of Natural Sciences
- 204 Emily Anna Mariah Mulawa**
Endocannabinoid Concentrations Change Between Active and Hibernating Marmot (*Marmota flaviventris*)
Walter Scott, Jr. College of Engineering
- 205 Cary Mundell**
Novel RNA Domains in Diverse Virus Families that Stall XRN 1
Intra-University
- 206 Rob Vincent Musci**
The Dunkin-Hartley Guinea Pig as a Novel Model for Sarcopenia
College of Health and Human Sciences
- 207 Madison Taylor Myers**
The Transformation of Perception Surrounding Mental Illness to Empower Women
College of Liberal Arts
- 208 Alexandra Claire Naegele**
Connecting Clouds, the Hydrologic Cycle, and the Atmospheric Energy Budget
Walter Scott, Jr. College of Engineering
- 209 Kyle Matthew Nardi**
Assessing Numerical Weather Prediction Models in Forecasting Atmospheric Rivers
Walter Scott, Jr. College of Engineering
- 210 Gerardo Ezequiel Narez**
Efficacy of P188 in Saving Meniscal Chondrocytes Following Impact
Walter Scott, Jr. College of Engineering

Abstract Number / Presenter / Title / College

- 211 Afnan Shazwan Bin Nasaruddin**
Comparison of Primers for Dickeya Detection in Seed Potatoes
College of Agricultural Sciences
- 212 Nora Jean Nealon**
Fractionation of Probiotic-Fermented Rice Bran to Identify Salmonella-Inhibitory Compounds
Intra-University
- 213 Braden Neihart**
Health and Nutrition: Understanding Ale in Medieval Monastic Life
College of Liberal Arts
- 214 Megan Judith Neufeld**
Next Generation Biomaterials: Potential Clotting Prevention of Metal–Organic Frameworks
College of Natural Sciences
- 215 CJ Janel Nezat**
Determining Fate and Transport of Cyanotoxins in the Environment
Walter Scott, Jr. College of Engineering
- 216 Saeed Nozhati**
Stochastic System Study of Urban Recovery in the Aftermath
Walter Scott, Jr. College of Engineering
- 217 Kayla Janine Nuss**
Heart Rate Validity for the Fitbit Charge and Apple Watch
College of Health and Human Sciences
- 218 Yusra Mahmood Fundi Obeidat**
Multi-Channel Potentiostat Integrated with Microfluidic Channel for Electrochemical Real-Time Monitoring
Walter Scott, Jr. College of Engineering
- 219 Katherine Ruth Ellen Oldberg**
Don't Lose Focus: Critical Repeat Photography of CSU's Campus
College of Liberal Arts
- 220 Nicole Taylor Olivas**
Neuropsychology of Suicidal Attempts Associated with Major Depression
College of Natural Sciences
- 221 Nicole Fontana Opalinski**
Nationwide Response of Outdoor Water Use to Climatic Factors
Walter Scott, Jr. College of Engineering
- 222 Emily Rebecca Orlikoff**
Differentiating Trampling Marks from Stone Tool Cut Marks on Bone
College of Liberal Arts

Abstract Number / Presenter / Title / College

- 223 Mary Carmen Ortiz Castro**
Ecology and Epidemiology of Bacterial Leaf Streak on Corn
College of Agricultural Sciences
- 224 Jennifer Marie Owen**
Video Games: A Driving Force for Learning New Media Compositions
College of Liberal Arts
- 225 Arnold Paecklar**
Solid-Gas Interactions in Porous Catalysts Investigated with Neutron Total Scattering
College of Natural Sciences
- 226 Lara Nicole Pantlin**
Examining Biomarkers of Schizophrenia: Error-Detection in At-Risk Populations
College of Natural Sciences
- 227 Dylan McKenzie Parker**
The Role of Subcellular Transcript Localization in *Caenorhabditis Elegans* Embryogenesis
College of Natural Sciences
- 228 Jamie Parnes**
A Mediated Moderation Examining Young-Adult Marijuana Consequences by Sexual Orientation
College of Natural Sciences
- 229 Annette Irene Patton**
Map of Surficial Geology, Denali National Park; Ongoing Hazards Analysis
Warner College of Natural Resources
- 230 Sushil Paudyal**
Assessing the Efficacy of Treatments for Digital Dermatitis
College of Agricultural Sciences
- 231 Ben Patrick Pawlowski**
Kinematics of Soft Manipulators Enabled by Twisted-and-Coiled Actuators
Walter Scott, Jr. College of Engineering
- 232 Taylor Person**
Evaluation of Sorghum Bicolor Root Traits Under Water Stress
College of Agricultural Sciences
- 233 Ari Alicia Blanchette Porter**
Quaking Aspen Population Dynamics After Wildfire in Colorado
Intra-University

ABSTRACTS BY NUMBER

Abstract Number / Presenter / Title / College

- 234 Alison Kathryn Post**
How the Timing of Large Storms Impacts Arid Grasslands
Intra-University
- 235 Nirmal Amrutbhai Prajapati**
Accelerator Codesign as Non-Linear Optimization
College of Natural Sciences
- 236 Julie Lanette Prosser**
Desirable Stereotypes and Status Indicators for Fathers and Mothers
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- 237 Chris Matthew Raftery**
Ghost Protests and Activism in the Digital Era
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- 238 Ryan Lee Rahm-Knigge**
Social Anxiety and Personality Predict Engagement in Health-Risk Sexual Behaviors
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- 239 James Matthew Rankin**
Cultural and Aesthetic Space in the Encyclopedic Novel
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- 240 Naufal Bin Razin**
Airborne Radar Observations of Rainband Structure in Hurricane Ophelia (2005)
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- 241 Julia Elaine Reedy**
Barriers and Norms Regarding Kidney Transplantation on Pine Ridge Reservation
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- 242 Justin James Reid**
Brain Protein Synthesis Rates in Mice Administered Rapamycin and Metformin
College of Health and Human Sciences
- 243 Sutton Bradley Richmond**
Validation of a Portable Instrument for Quantifying Balance Performance
College of Health and Human Sciences
- 244 Kayla Ann Rink**
Dairy Producer Perceptions of the Farmers Assuring Responsible Management Program
College of Agricultural Sciences

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- 245 Marina Dallas Rodriguez**
The Cost of Reproduction: Telomere Shortening in Nesting Tree Swallows
Warner College of Natural Resources
- 246 Bryn Ronalds**
Response of Jet Stream Variability to Arctic Sea Ice Loss
Walter Scott, Jr. College of Engineering
- 247 Heather Nicole Rubin**
Manipulation of Metal–Organic Frameworks for Tunable Copper Release
College of Natural Sciences
- 248 Tait K Rutherford**
Future Fire: Climate Change and Wildland Fire Governance in Alaska
Warner College of Natural Resources
- 249 Kirk Maddox Saylor**
Exploring Alternative Futures of Landscape Change in Southeast Asia
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- 250 Kara Scheel**
Assessing Human Modifications to Floodplains Using Large-Scale Hydrogeomorphic Floodplain Modeling
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- 251 Jacob Daniel Schneider**
Selective Synthesis of Solid Ionically Conductive Materials Through Electrochemical Corrosion
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- 252 Max C Schulze**
Exploring and Mitigating Failure Modes in Anodes for Li-Ion Batteries
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- 253 Luke Allen Schwerdtfeger**
Sex, Drugs, and Salmonella: Rendezvous in the Colon
College of Veterinary Medicine and Biomedical Sciences
- 254 Ashish Kumar Sedai**
Wage Determination Under Imperfect Competition: Indian Evidence, Post Reforms
College of Liberal Arts
- 255 Hailey Nicole Conover Sedam**
An Experimental System to Study Meiotic Recurrent Copy Number Alterations
Intra-University

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- 256 PJ James Seel**
Weathering of Radio-Cesium Released from Fukushima Dai-ichi Nuclear Power Plant
College of Veterinary Medicine and Biomedical Sciences
- 257 Ben David Sencindiver**
Self-Regulated Learning: A Tool for Understanding Disengaged Students in Calculus
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- 258 Casey Marie Setash**
Cinnamon Teal Nest Site Selection Influences Nest Survival in CO
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- 259 Kat Lin Sever**
Examining Water Quality Trading Through A Collective Action Lens
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- 260 Nikki Marie Seymour**
Subduction and Metamorphism of the Orocopia Schist from Zircon Geochronology
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- 261 Susmit Shannigrahi**
Named Data Networking for Large Scientific Data Management
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- 262 Naman Sharma**
Linking Chemical Composition, Volatility to Oxidative Potential of Diesel Exhaust
Walter Scott, Jr. College of Engineering
- 263 Alyx Marie Shigenaga**
Agriculture in a Changing Climate: Preventing Heat-Induced Plant Disease Susceptibility
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- 264 Tushar Manohar Shimpi**
Retaining CdTe Alloy Composition in High Band Gap Solar Cells
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- 265 Nara Shin**
Printer and Paper Particle Emission and Toxicity Test from Shredding
College of Veterinary Medicine and Biomedical Sciences
- 266 Xoco Anna Shinbrot**
Determinants of Farmer Adoption of Climate Adaptation Strategies
Intra-University

- 267 Hazheen Khalil Shirnekhi**
Characterizing the Role of BuGZ in Mitosis
College of Natural Sciences
- 268 Nick Andrew Simpson**
Investigating Water Management at Ancient Purepécha City Using LiDAR
College of Liberal Arts
- 269 Nate Michael Sindt**
Varietal Responses to Mitochondrial Inhibitor Fungicides Impact Yield in Wheat
College of Natural Sciences
- 270 Ingrid Jane Slette**
Legacies of Precipitation Change Alter Ecosystem Responses to Extreme Drought
Intra-University
- 271 Brittany Nicole Smith**
Match Me if You Can! Phenological (Mis) Match in Plant-Insect Interactions
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- 272 Joey Keith Smith**
Consequences of Poly-Simultaneous Use of Marijuana and Alcohol
College of Natural Sciences
- 273 Claudia M Solt**
Obesity-Induce Lymph Node Dysregulation: A TEM Analysis
College of Health and Human Sciences
- 274 Michael David Somers**
Sustainability of Microalgae Cultivation as a CO₂ Mitigation Strategy
Walter Scott, Jr. College of Engineering
- 275 Kelley Jane Sorenson**
#PhotoshopFail: The Ethics of Photo Manipulation in the 21st Century
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- 276 Evan Sproul**
Viability of a Net-Zero-Energy Campus at the National Western Center
Walter Scott, Jr. College of Engineering
- 277 Brooke Ellen Stamper**
Response of Glaciers to Climate Change in the Wind-River Range
Intra-University
- 278 Cara Elizabeth Steger**
Collaborative Models for Adaptive Conservation in the Ethiopian Highlands
Intra-University

- 279 Emily R Stuchiner**
Using N₂O Isotopomers to Indicate Ecosystem Stress from N Pollution Intra-University
- 280 Hailey Marie Summers**
Sustainability Assessment of Obtaining Bioproducts from Guar and Guayule
Walter Scott, Jr. College of Engineering
- 281 Ray Vincent Sumner**
The Powell Sesquicentennial: An Interdisciplinary Reassessment of the Powell Expeditions
College of Liberal Arts
- 282 Jiefeng Sun**
TCA Actuated Soft Robot with Self-Sensing and Stiffness Tuning Capability
Walter Scott, Jr. College of Engineering
- 283 Josh Michael Svendsen**
Methylation Likely Links C. Elegans Primary and Secondary Small RNAs
Intra-University
- 284 Clayton W Swanson**
Associations Between Motor Cortex Inhibition and Gait Variability
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- 285 Catherine Audrey Tait**
Impact of Learning Ability on Navigation and Longevity in Honeybees
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- 286 Mohammad Tanhaemami**
Label-Free Quantification for Flow Cytometry
Walter Scott, Jr. College of Engineering
- 287 Jance Dawn Terwood**
Novel Role of Acetylcholine in Blood Flow Regulation in Humans
College of Health and Human Sciences
- 288 Aanand Thiyagarajan**
Analysis of MgZnO/CdTe Solar Cell Interface Using Density Functional Theory
Walter Scott, Jr. College of Engineering
- 289 Thomas Jesse Timberlake**
Science and Climate Change Adaptation: U.S. Forest Service Vulnerability Assessments
Warner College of Natural Resources
- 290 Paul Kendrick Todd**
Solid-State Preparation of Transition-Metal Oxides at Low Temperatures
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- 291 Ben Christopher Trabing**
Upper Tropospheric Temperature Impacts in Idealized Hurricanes
Walter Scott, Jr. College of Engineering
- 292 Kai-Chih Tseng**
Extended Prediction of the Midlatitude Response to Strong MJO
Walter Scott, Jr. College of Engineering
- 293 Sydney Simone Turner**
The Evolution from Conventional to Emerging Wastewater Management Approaches
Walter Scott, Jr. College of Engineering
- 294 Hamed Vahabi**
Application of Shape Memory Polymers in Wettability Transition on Superomniphobic Surfaces
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- 295 Zack John Valenti**
Investigation of Phytochemical Nrf2 Activation in Aged Mice
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- 296 Hannah Jean Van Ark**
Effects of Red Beetroot Juice Consumption on Vascular Oxidative Stress
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- 297 Tara Lee Van Surksum**
Elucidating Energy Partitioning Trends in Hydrocarbon Plasmas for Plasma-Assisted Catalysis
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- 298 Daisy Whitfield Vandenburg**
Solemnly Staring South: Faulkner's Confederate Monument
College of Liberal Arts
- 299 Farah Zamira Vera Maloof**
Loss of Insecticide Resistance in Mexican Aedes Aegypti Mosquito Populations
College of Veterinary Medicine and Biomedical Sciences
- 300 Nadia Maria Vieira Sampaio**
Mitotic Systemic Genomic Instability in Yeast
Intra-University
- 301 Saddam Qahtan Waheed**
GLUE Analysis and Optimal Operation for Diyala River in Iraq
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302 Ethan Sheppard Walker

Association of Household Air Pollution with Self-Reported Symptoms in Honduras
College of Veterinary Medicine and Biomedical Sciences

303 Erkang Wang

Transient Absorption Imaging of Cytochrome Using Pump-Probe Microscope
Walter Scott, Jr. College of Engineering

304 Lei Wang

Zika Virus Antibody Detection Using an Ultrasensitive Capacitive Device
Walter Scott, Jr. College of Engineering

305 Leo Warzea Lima

The Effect of Selenium on Glucosinolates Accumulation in *Stanleya Pinnata*
College of Natural Sciences

306 Colleen Lanza Watkins

The Picornaviral Polymerase Fingers Domain Controls RNA Binding and Translocation
College of Natural Sciences

307 Danielle Frances Weaver

Preliminary Computational Analysis of Data Collected from Xylazine-Induced Ataxic Horses
College of Veterinary Medicine and Biomedical Sciences

308 Derek Thomas Weber

Volatile Organic Compound Concentrations in Northern Colorado and Future Impacts
Walter Scott, Jr. College of Engineering

309 Lisa McBride Weber

Identification of Gene Regulation Models from Single-Cell Data
Walter Scott, Jr. College of Engineering

310 Maggie Dorothy Weinroth

Effects of Ceftiofur and Chlortetracycline on Feedlot Cattle Resistomes
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311 Callie Paige Weldon

Fair Fiber: An Economic Mobility Model for Peruvian Alpaca Farmers
College of Business

312 Rachel Claire West

Beyond Cancer: How Oncogenes Regulate Early Placental Development
College of Veterinary Medicine and Biomedical Sciences

313 Chris Breck Whitehead

Experimental Investigation of Low-Order Nucleation Across Catalytically Active Nanoparticles
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314 Robert Thomas Patton Williams

Transcriptional Logic and Chromatin Accessibility in the *Caenorhabditis Elegans* Intestine
College of Natural Sciences

315 Sere Anne Williams

Transcriptomics of *Oryza Sativa* Under Drought Stress
College of Natural Sciences

316 Robert Taylor Wimbish

Investigating the Nature of Ndc80-Mediated Kinetochore-Microtubule Attachments
College of Natural Sciences

317 Daniel C Workman

Radiocesium Soil to Plant Transfers in Fukushima Forests
College of Veterinary Medicine and Biomedical Sciences

318 Jennifer Worrell

Why Did You Do That? Luxury Brands Surviving Economic Crisis
College of Health and Human Sciences

319 Benjamin Conrad Wostoupal

Can Water Conservation Save Agriculture?
Walter Scott, Jr. College of Engineering

320 DeeDee Susan Wright

Developing Teacher Professional Resilience Through Place Based Education and Mentoring
Intra-University

321 Lang Yang

A Handheld Electrochemical Sensing Platform for Point-of-Care Diagnostic Applications
Walter Scott, Jr. College of Engineering

322 Neil David Yetz

Social Networks and Depression Prevention in a Youth Mentoring Program
College of Natural Sciences

323 Victoria Zablocki

Motor Impairments in Transient Ischemic Attack and Subsequent Stroke
College of Health and Human Sciences

324 Luis Zambrana Gutierrez

Rice-Bran Supplementation Effects on EED Biomarkers and Gut Microbial Community
College of Veterinary Medicine and Biomedical Sciences

325 Haijie Zhang

Quadcopter Perching Based on Optimal Tau Trajectory Planning
Walter Scott, Jr. College of Engineering

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Performers by College

COLLEGE OF LIBERAL ARTS

Heather Nicole Ewer
Emma Catherine Hyché
Katherine Grace Indermaur
Sam Lynn Killmeyer
Michelle E Lacrosse
David James Mucklow
Zach Yanowitz

Research, Scholarship, Entrepreneurship, and Visual Arts by College

COLLEGE OF AGRICULTURAL SCIENCES

32 Aerial D Belk
52 AJ Joseph Brown
53 Ashley Marie Budde
57 Maria Cristina Capurro
65 Shannon Lee Clark
74 Randie Marguerite Culbertson
104 Nora Elizabeth Flynn
144 Sam Jalali
158 Beth Christine Krehbiel
160 Bradley M Lalande
163 Florent Didier Lavergne
169 John Jun Long
176 Diego Ignacio Manriquez Alvarez
193 Catie G McVey
194 Sachintha Sarani Mendis
195 Brian Anthony Mitchell
211 Afnan Shazwan Bin Nasaruddin
223 Mary Carmen Ortiz Castro
230 Sushil Paudyal
232 Taylor Person
244 Kayla Ann Rink
263 Alyx Marie Shigenaga
310 Maggie Dorothy Weinroth

COLLEGE OF BUSINESS

7 Haroon Abasy
120 Kira Ann Griswold
131 Keni B Herman
311 Callie Paige Weldon

COLLEGE OF HEALTH AND HUMAN SCIENCES

22 Shelly Annameier
29 Micah Lee Battson
38 Harmonie Marie Bettenhausen
47 Andrea Deborah Booth-Kalajian
62 Natalia Infante Caylor
69 Alistair P Cook
70 Jimikaye Beck Courtney
71 Kelley Renee Covington
75 Jenae Marie Curley
88 Deb Lynn Domres
100 Mackenzie Jayne Ferrante
102 Emily Kay Fischer
111 Ariana Lucia Garcia
113 Philip Jacob Gasser
118 Natalie Danielle Marie Goodwin
124 Shannon Christine Hartley
155 Tara Catherine Klinedinst
164 Dustin Michael Lee
168 Nicole S Litwin
173 Aaron Mark Magnuson
206 Rob Vincent Musci
217 Kayla Janine Nuss
242 Justin James Reid
243 Sutton Bradley Richmond
273 Claudia M Solt
284 Clayton W Swanson
287 Jane Dawn Terwoord
295 Zack John Valenti
296 Hannah Jean Van Ark
318 Jennifer Worrell
323 Victoria Zablocki

COLLEGE OF LIBERAL ARTS

1 Lauren Faherty
2 Alexandra Noelle Forsythe
3 Adam Thomas Jones
4 Christy Chapman Nelson
5 Kyle Vincent Singer
6 Emily Jean Boutilier Sullivan
13 Sebastian Phillip Adams
17 Yeva Aleksanyan
19 Hanan Alqarni
21 Emily Kay Amedee
24 Broc Eldon Bainter

27 Carla Mayzie Bamesberger
31 Laura Janell Beese
33 Amina Benkamla
35 Stefanie Alexandra Berganini
43 Hayley Eve Blackburn
67 Susan C Clotfelter
84 Carolina Del Pozo Aguilar
90 Channing Faith Downing Bice
107 Alex Jeanette Friedl
115 Andrew Robbins Gillespie
117 Daniel Benjamin Goldschmidt
123 Edwin L Harris
129 Katrina Nicole Hedrick
140 Caitlin A Holland
149 Sneha Kadyan
151 Krystal Marie Kappeler
152 Emily Sue Johnson
170 Hannah Beth Love
181 Kira Lee Marshall-mckelvey
207 Madison Taylor Myers
213 Braden Neihart
219 Katherine Ruth Ellen Oldberg
222 Emily Rebecca Orlikoff
224 Jennifer Marie Owen
237 Chris Matthew Raftery
239 James Matthew Rankin
241 Julia Elaine Reedy
249 Kirk Maddox Saylor
254 Ashish Kumar Sedai
268 Nick Andrew Simpson
275 Kelley Jane Sorenson
281 Ray Vincent Sumner
298 Daisy Whitfield Vandenburg

COLLEGE OF NATURAL SCIENCES

9 Farshad (Fred) Abdollah Nia
12 Diane Charlot Aceveda
34 Samiha A Mohamed Benrabaa
40 Tyler James Biebighauser
45 Amy Elizabeth Boncella
46 Tyler Nathaniel Boone
50 Amanda Jo Broad
51 Colin Patrick Brook

59 Ivan Caro Terrazas
61 Cody S Carrell
68 Victoria Elizabeth Combs
79 Marielle Lindsay Darwin
86 Mortaza Derakhshani Molayousefi
92 Ali Ebrahimpour Boroojeny
93 Kari Hope Ecklund
96 Colby Evans
97 Michelle Renee Fallon
105 Alex M Fout
122 Angela Rose Hanna
133 Gavin Lee Hester
134 Hailey Hibbard
138 Matt Gregory Hogan
141 Chris Allen Hosier
142 Arielle Rachelle Howell
147 Ashlie Johnson
156 Amanda Lynn Koch
157 Jordan Tyler Koehn
161 Lindsay G Lammers
172 Jeffrey Ma
175 Michelle Nichole Mann
177 Mary Elizabeth Marisa
178 Frank Wayne Marrs
179 Craig Anthony Marshall
185 Matthew George Marzo
186 Annalise Elizabeth Maughan
196 Dominique Francesca Montano
201 Eve Madeline Mozur
203 Subhojeet Mukherjee
214 Megan Judith Neufeld
220 Nicole Taylor Olivas
225 Arnold Paecklar
226 Lara Nicole Pantlin
227 Dylan Mckenzie Parker
228 Jamie Parnes
235 Nirmal Amrutbhai Prajapati
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238 Ryan Lee Rahm-Knigge
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252 Max C Schulze
257 Ben David Sencindiver
261 Susmit Shannigrahi
267 Hazheen Khalil Shirnekh
269 Nate Michael Sindt

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272 Joey Keith Smith
 290 Paul Kendrick Todd
 297 Tara Lee Van Surksun
 305 Leo Warzea Lima
 306 Colleen Lanza Watkins
 313 Chris Breck Whitehead
 314 Robert Thomas Patton Williams
 315 Sere Anne Williams
 316 Robert Taylor Wimbish
 322 Neil David Yetz

COLLEGE OF VETERINARY MEDICINE AND BIOMEDICAL SCIENCES

11 Evan Robert Acerbo
 49 Matt Robert Bowers
 55 Molly Dean Butler
 60 Kasimir Floyd Carranza
 66 Allison Cleymaet
 82 Christopher James Dean
 89 Enrique Doster
 94 Bridget E Eklund
 99 Kristen Marie Fedak
 130 Natascha Heise
 135 Jasmin Alexis Hicks
 139 Elle Elnes Holbrook
 145 Ashley Jean Janich
 166 Lance Christopher Li Puma
 167 Katherine Jia Li
 253 Luke Allen Schwerdtfeger
 256 PJ James Seel
 265 Nara Shin
 299 Farah Zamira Vera Maloof
 302 Ethan Sheppard Walker
 307 Danielle Frances Weaver
 312 Rachel Claire West
 317 Daniel C Workman
 324 Luis Zambrana Gutierrez

INTRA-PROGRAMS

199 Haley Elizabeth Moss

INTRA-UNIVERSITY

15 Neha Harish Ahuja
 16 Taghreed Mohammed M Al Turki
 26 Lydia R Baldwin
 39 Tom Edward Bickett
 44 Sara Petrita Bombaci

58 Amanda R Carlson
 76 James Zachary Curlin
 83 Heather Leigh Deel
 98 Caylee Falvo
 101 Jessie Ellen Filer
 103 Dana Anne Flett
 109 Sarah M Gallup
 110 Maybellene Pascual Gamboa
 116 Ben Donald Golas
 119 Robert J Griffin-Nolan
 121 Carolina Gutierrez
 126 Kelly N Hassell
 127 Adam Michael Heck
 153 Courtland Kelly
 159 Holly Holliday Lafferty
 165 Sarah I Leichty
 171 Jared James Luxton
 188 Shelby C McClelland
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 191 Clifton Dyer Mckee
 197 Shea Graeme Moore-Farrell
 198 Samantha Mosier
 205 Cary Mundell
 212 Nora Jean Nealon
 233 Ari Alicia Blanchette Porter
 234 Alison Kathryn Post
 255 Hailey Nicole Conover Sedam
 266 Anna Shinbrot
 270 Ingrid Jane Slette
 271 Brittany Nicole Smith
 277 Brooke Ellen Stamper
 278 Cara Elizabeth Steger
 279 Emily R Stuchiner
 283 Josh Michael Svendsen
 285 Catherine Audrey Tait
 300 Nadia Maria Vieira Sampaio
 320 DeeDee Susan Wright

WALTER SCOTT, JR. COLLEGE OF ENGINEERING

8 Ali Abbas
 10 Bahareh Abdollahipoor
 14 Saeid Aghahosseini Shirazi
 18 Alyssa Jean Aligata
 20 Radi Alsulami
 25 Jessica Leigh Baker
 28 Giovana Batista

30 Braden Dale Beckstrom
 37 Deniz Besiktepe Karaman
 41 Kelsey Reid Bilsback
 42 Terrance Tyler Bishop
 48 Mark Elliott Bourgeois
 54 Jennie Bukowski
 56 Matthew David Cackovic
 63 Ting Cha
 64 Benjamin Eric Choat
 72 Kari Miller Cowden
 73 Jesse Reed Cruce
 77 Mangesh Rajendra Dake
 78 Adam Hans Danielson
 85 Anthony Robert DeMario
 87 Katie DeRose
 91 Aryeh Jacob Drager
 95 Megan R Emmons
 106 Sean William Freeman
 108 Blake Fullenwider
 112 Shane Daniel Garland
 114 Mahsa Ghorbani
 125 Emad Hassan
 128 Mohammadhasan Hedayati
 132 Derek Eugene Hess
 136 Stacey Marie Hitchcock
 143 Anish Sharad Jadhav
 146 Andrea M Jenney
 150 Duygu Kalan
 162 Rod William Lammers
 174 Gunjan Shrikrishna Mahindre
 183 Jon Martinez
 184 Marco Antonio Martinez
 189 Marie C McGraw
 192 Ian Cook McLean
 200 Sanli Movafaghi
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 288 Aanand Thiyagarajan
 291 Ben Christopher Trabing
 292 Kai-Chih Tseng
 293 Sydney Simone Turner
 294 Hamed Vahabi
 301 Saddam Qahtan Waheed
 303 Erkang Wang
 304 Lei Wang
 308 Derek Thomas Weber
 309 Lisa McBride Weber
 319 Benjamin Conrad Wostoupal
 321 Lang Yang
 325 Haijie Zhang

WARNER COLLEGE OF NATURAL RESOURCES

23 Bethy A Astella
 36 Richard E Berl
 80 Dominique Mariflor David-Chavez
 81 Cat Mcdougald de Vlaming
 137 Kristin Ruth Hoelting
 148 Megan Siobhan Jones
 154 Quy Van Khuc
 180 Lindsey Anne Marshall
 182 Ellen Claire Martin
 187 Skyler Pendleton Mavor
 202 Rebecca Malaika Much
 229 Annette Irene Patton
 245 Marina Dallas Rodriguez
 248 Tait K Rutherford
 258 Casey Marie Setash
 259 Kat Lin Sever
 260 Nikki Marie Seymour
 289 Thomas Jesse Timberlake

CELEBRATING RESEARCH AND CREATIVITY
GRADUATE STUDENT SHOWCASE
 NOVEMBER 9, 2017
 LORY STUDENT CENTER, GRAND BALLROOM



9:30 a.m. to 12:30 p.m.

Poster Presentations, Visual Arts, and Performances

9:30 a.m. to 11:30 a.m.

GREEN Presenters

10:30 a.m. to 12:30 p.m.

GOLD Presenters

Odd numbered abstracts are in the **GREEN** presenting group.

Even numbered abstracts are in the **GOLD** presenting group.

9:40 a.m. to 11:20 a.m.

Performing Arts

12:30 p.m. to 1:30 p.m.

Lunch on Your Own

1:30 p.m. to 4:30 p.m.

Professional Development Workshops for Graduate Students

1:30 p.m. - 4:30 p.m. 376-78 LSC

Professional Headshots: Make a Good First Impression

1:30 p.m. - 2:45 p.m. 382 LSC

Navigating Conflict: Resolving Issues in Grad School

2:00 p.m. - 3:15 p.m. 386 LSC

You Can Still Learn to Cook: How to Eat Healthy and Efficiently While in Grad School

2:45 p.m. - 4:00 p.m. 382 LSC

Getting It Done: How to Write a Lot in Grad School

3:15 p.m. - 4:30 p.m. 386 LSC

You Need More Sleep: How to Reduce Stress and Be More Effective in Grad School

Presented by the Graduate Student Council

4:30 p.m. to 6:00 p.m.

Awards Reception

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