150

COLLOQUIUM SERIES

CELEBRATING RESEARCH AND CREATIVITY

GRADUATE STUDENT SHOWCASE

NOVEMBER 12, 2019

GRADUATE SCHOOL
COLORADO STATE UNIVERSITY

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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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Abstracts for posters and visual arts presentations in the showcase are available in the 2019 Graduate Student Showcase Collection housed by the CSU digital repository, Mountain Scholar.

YOU MAY VIEW ABSTRACTS IN THE COLLECTION BY VISITING:

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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

Performing Arts Performance Times

Time	Performer
9:40 - 9:50	Courtney Ellison
intermission	
10:00 - 10:10	Esther Hayes
intermission	
10:20 - 10:30	Sheridan Loyd

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PERFORMING ARTS

9:40 Courtney Ellison
Elemental
College of Liberal Arts

10:00 Esther Hayes
What I Could Have Given
College of Liberal Arts

10:20 Sheridan Loyd
A Student Performance of James David's Zephyrus for Chamber Ensemble
College of Liberal Arts

VISUAL ARTS

1 Samuel Dong Saul
If Objects Could Speak, What Would They Say?
College of Liberal Arts

2 Lauren Faherty
Resilient Impairments
College of Liberal Arts

3 Spencer Gillespie
What is Non-Representation Art?
College of Liberal Arts

4 Kayna Hobbs
Custom Paralympic Shooting Jacket: A Single-Case Product Development Project
College of Health and Human Sciences

5 Jacob Jaso
Material Narratives: Manifesting and Managing Memory
College of Liberal Arts

6 Pratyoosh Kashyap
Goat Value Chains Development in India
College of Agricultural Sciences

7 Kate Schmidt
Girl Powder – The Collection
College of Health and Human Sciences

8 Jessica Shaver
Agents of Change – Textile Designs for Environmental Awareness
College of Health and Human Sciences

9 Clark Valentine
Sitting With Divinity – Works by Clark Valentine
College of Liberal Arts

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10 Zane White
After The Gold Rush
College of Liberal Arts

11 Amy Young
Shedding Youth: Analyzing Social Traditions Relating to Adolescent Development
College of Liberal Arts

RESEARCH, SCHOLARSHIP, AND ENTREPRENEURSHIP

12 Abdelrahman Abdallah
An Integrated Uncertainty-Based Bridge Inspection Decision Framework
Walter Scott, Jr. College of Engineering

13 Susan Abernathy
Exploring Phytoremediation Potential of Hemp (Cannabis sativa)
College of Natural Sciences

14 Shailesh Raj Acharya
Identification of Soybean Aphid Amino Acid Transporters at Aphid-Bunchera Interface
College of Agricultural Sciences

15 Neha Ahuja
Grow With the Flow: Blood Flow Regulates Cardiac Valve Development
University Interdisciplinary Programs

16 Marissa Alliegro
Existential Concerns and Risky Behavior in College Students
College of Natural Sciences

17 Chris Allison
Screening for Fungal Infections Using LC/MS
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18 Areej Ali Alshahrani
Role of FLNC in Heart Contractility and Retrograde Flow
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19 Ilham Alshiraihi
SMYD3 Inhibitor as a Novel Therapeutic for Cancer
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20 Ana Altares
Youth CAN: Cultivating Community Change Through Youth-Driven Health Initiatives
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Studying Luteinizing Hormone Receptor Expression Levels Affect
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Incorporating Halogen Bonds in Eukaryotic Systems
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Exercise Hyperemia and Oxygen Extraction During Elevated Resting Flow States
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Effects of Two Polyoxovanadate Complexes on Mycobacteria Smegmatis Growth
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Coinage-Metal Thiolate Supramolecular Assemblies
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How Sustainable is a Universal Definition of Sustainability?
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Examining How Mixed Reality Mobile Apps Enhance Sense of Place
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Can Wildfires Influence Ice Formation in Clouds?
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Bioelectrochemical Characterization of S. cerevisiae for Cathodic Electrofermentation
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Destination Recovery: Leveraging Tourism for Long-Term Economic Recover Post-Natural Disaster
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31 Will Beaton
Deliberating Environmental Justice: News Analysis of Minnesota's Proposed Copper-Nickel Mines
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Environmental and Economic Analyses of Renewable Products From Cyanobacteria
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Spatiotemporal Variations of Liquid Water Content in a Continental Snowpack
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Towards the Total Synthesis of Versiquinazoline B
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Systemic Iron Chelation Reduces Cartilage Lesions Characteristic of Osteoarthritis
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Cyclin-Dependent Kinase 8 is a Transcriptional Regulator During Dengue Infection
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50 Sarah Butler
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Saving Face: Medicine, Art, and Expectations of the Mutilated Face
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Sustainable Development of Polymers for a Circular Plastics Economy
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The Effect of Resins in the Flocculation of Asphaltenes
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Computational Incorporation of Proteinaceous Materials Into Metal Organic Frameworks
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Evaluation of Taxpayer Costs/Benefits of Pro-Active Algae Bloom Prevention
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Microbes in the Mucosa: Probiotic-Based Vaccine and the Gut Microbiome
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Paper-Based Nuclease Protection Assays for Pathogen Detection
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Characterizing Bovine Muscle Composition and Pulmonary Health Across Finishing Systems
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Exploring New Frontiers With the Short-Baseline Near Detector
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Impacts of Food Insecurity and Social Isolation on Healthy Aging
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Dimension Reduction and Surrogate-Based Topology Optimization of Periodic Structures
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Conductivity Mass Balance for Baseflow Estimation Using Low-Cost Data Loggers
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Market Dynamics of the Colorado Potato Industry
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Improved Perennial Stock Production Through Applications of Plant Growth Regulators
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176 Kiri Michell
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Are You What You Eat? Lipid Dynamics in Skeletal Muscle
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Adaptive Multi-Paddock Grazing Increases Soil Carbon Stocks and Soil Health
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Advancing Solar Technology by Understanding Atomic Motions in Semiconductors
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195 Kelsey Navarre
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Automated Process of Detecting Positive Market Trends Using Deep Learning
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Electrochemical Studies of Electrodeposited Antimony/Carbon Nanotubes in Sodium Cells
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Using Fluorescence Energy Transfer to Investigate Nanoparticle Defects
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Cerebellar Neuroanatomical Correlates of Sensory Reweighting Impairment in Multiple Sclerosis
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Tillage Effects on Microbial Community in an Irrigated Corn System
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Sex, Sexuality and Pregnancy Among Adolescents in Ecuador
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Rising From the Dead: Who are the Monsters and Why?
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Influence of Ligand Encapsulation on Cobalt-59 Chemical-Shift Thermometry
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Finding the Order Within a Disordered Next-Generation Semiconductor
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A Tissue-Engineered Repair Patch to Treat Spinal Herniation
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The Subcellular Localization of mRNA Transcripts During Caenorhabditis elegans Embryogenesis
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Decision Support System Evaluating Fish Habitat in Alternative Flow Scenarios
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Effects of Orientation on Immobilized Enzymes
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Electroacupuncture Improves Gait in a Rodent Model of Spontaneous Osteoarthritis
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Corporate Personhood in the Announcement of the Tumblr Porn Ban
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Synoptic Environments Favorable for Widespread Convection in Subtropical South America
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Sensitivity of the Shortgrass Steppe to Deluge Size
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222 Matson Pothier
Sticky and Gassy: The Story of Stir-Fry
College of Natural Sciences

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223 Srijesh Pradhan
Modeling Regional Patterns of Post-Disaster Housing Reconstruction in the U.S.
College of Health and Human Sciences

224 Saloni Purandare
Bio-Mimicked Shark Skin Fabric and Its Characterization
College of Health and Human Sciences

225 Andrew Purgiel
Nitrification of Ammonia-Rich Influent via Ammonia/Nitrite Oxidizing Bacteria
Walter Scott, Jr. College of Engineering

226 David Quiroz Nuila
Microalgal Proteins to Bioplastics: Techno-Economic and Life Cycle Assessment
Walter Scott, Jr. College of Engineering

227 Audrey Ramsey
The Galapagos – A Conservation Legacy Through Conservation
Warner College of Natural Resources

228 Shaunie Rasmussen
An Unexpected Turn: Uncovering the Drivers of Fort Collins UTC
Warner College of Natural Resources

229 Will Raymond
rSNAPsim: RNA Sequence to Nascent Protein Simulator
Walter Scott, Jr. College of Engineering

230 Kailee Reed
Roles for piRNAs and WAGO Class siRNAs in Caenorhabditis Elegans
University Interdisciplinary Programs

231 Alec Richardson
A Microfluidic Device for Culture of Mammalian Intestines Ex Vivo
Walter Scott, Jr. College of Engineering

232 Sutton Richmond
A Mechanistic Evaluation of White Matter's Role in Bilateral Coordination
College of Health and Human Sciences

233 Tawni Riepe
Non-Lethal Methods Used to Detect Renibacterium salmoninarum in Brook Trout
Warner College of Natural Resources

234 Katie Rocci
Zooming in: Evaluating Global Change Effects on Soil Carbon Components
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235 Savannah Rocha
Characterization of a Mouse Model of Pesticide-Induced Parkinson's Disease
College of Veterinary Medicine and Biomedical Sciences

236 Chris Rom
Synthesizing New Ternary Nitrides
College of Natural Sciences

237 Kivanc Sabunis
Shear Wave Splitting Measurements in British Columbia
Warner College of Natural Resources

238 Fionna Samuels
Investigation of Cryoprotectant Permeation and Localization in Living Plant Cells
College of Natural Sciences

239 Travis Sanders
FttA, a CPSF73 homolog, Terminates Transcription in Archaea
College of Natural Sciences

240 Derek Schaeuble
Sex Differences in Prefrontal Cortex-Regulated Cardiovascular Stress Responding
College of Veterinary Medicine and Biomedical Sciences

241 Jacob Schneider
Single Step CVD Synthesis of Highly Branched Silica Nanowires
College of Natural Sciences

242 Luke Schwerdtfeger
Intestinal Goblet Cell Production is Regulated by Enteric Neuronal Fibers
College of Veterinary Medicine and Biomedical Sciences

243 Julie Seidle
Building Communities of Care for Dementia Caregivers
College of Health and Human Sciences

244 Lauren Seitz
Rallying Behind Rebranding: Rewiring Memory in Le Pen's National Rally
College of Liberal Arts

245 Platon Selemenakis
RAD51AP1 and RAD54 Synergism During the Synaptic Stage of HR
University Interdisciplinary Programs

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246 Nikki Seymour
Multi-Phase Skarn Mineralization Along a Transpressional Shear Zone, Copiapó, Chile
Warner College of Natural Resources

247 Akash Shah
Cost-Effective Energy Efficient House
Walter Scott, Jr. College of Engineering

248 Alireza Sharifi
Alternative Ventricular Assist Device
Walter Scott, Jr. College of Engineering

249 Alyx Shigenaga
Agriculture in a Changing Climate: Preventing Heat-Induced Plant Disease Susceptibility
College of Agricultural Sciences

250 Erica Shin
Regression Test Selection Using a Machine Learning Approach
College of Natural Sciences

251 Jimmy Singh
Role of a Vasoactive Hormone in the Midbrain
College of Veterinary Medicine and Biomedical Sciences

252 Rachal Skyving
Urban Wood Utilization Feasibility Study Fort Collins, Colorado
Walter Scott, Jr. College of Engineering

253 Gilberto Solano Suarez
Effect of MCWF on Health and Fertility in Dairy Cows
College of Agricultural Sciences

254 Craig Somers
History and Conservation: Re-Mapping Resource Management Through Digital Humanities Methodologies
College of Liberal Arts

255 Michael Somers
Ouro Mobility: A Model for Sustainable Suburban Carsharing
College of Business

256 Shelley Spear
Ecological Drivers of Black Bear Fecundity in an Anthropogenic Landscape
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257 Laura St Clair
Disrupting the Balance: Sphingolipid Modulation During Flavivirus Infection
College of Veterinary Medicine and Biomedical Sciences

258 Louise Steele
Old Data, New Maps: Geospatial Analysis of Archaeological Legacy Data
College of Liberal Arts

259 Stefan Strutz
Bottom up Costing Estimates for Fourth Generation Nuclear Reactors
Walter Scott, Jr. College of Engineering

260 Julius Stuart
Biophysical Characterization of DNA Within a Billion Parallel Nanopores
College of Natural Sciences

261 Emily Stuchiner
Isotope Pool Dilution Reveals Drivers of N2O Consumption in Soils
University Interdisciplinary Programs

262 Hailey Summers
Environmental Impact Assessment of Indoor Versus Outdoor Cannabis Cultivation
Walter Scott, Jr. College of Engineering

263 Ray Sumner
The Days After Colorado's Darkest Day: Initial Fieldwork at Julesburg
College of Liberal Arts

264 Jiefeng Sun
Soft Robots of Fast and Strong Motion
Walter Scott, Jr. College of Engineering

265 Julianna Sun
SPS1: A Novel Resistance Factor to Prion Disease Infection
University Interdisciplinary Programs

266 Clayton Swanson
Cortical Inhibition and Turning in Healthy Controls and Multiple Sclerosis
College of Health and Human Sciences

267 Molly Swanson
Parent-Mediated Interventions for Infants With Down Syndrome
College of Health and Human Sciences

268 Neal Swayze
Assessing Influences of UAS Flight Parameters for Forest Structure Characterization
Warner College of Natural Resources

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269 Catherine Tait
How Cognitive Differences Determine Success and Failure in Different Environments
University Interdisciplinary Programs

270 Kristen Tandy
A Career Construction Counseling Group for Mid-to-Late Career Unemployed Adults
College of Health and Human Sciences

271 Marie Taylor
The Archaeology of Hunter-Gatherer Life on Ancient Shorelines
College of Liberal Arts

272 Janee Terwoord
Acetylcholine Mediates Flow-Mediated Vasodilation in Humans
College of Health and Human Sciences

273 Selam Tewahade
Association Between the Built Environment and Active Transportation Among Adolescents
University Interdisciplinary Programs

274 Jon Thai
Continuous Flow Catalysis of Organic Reactions Using Metal-Organic Frameworks
College of Natural Sciences

275 Jaron Thompson
Machine Learning to Predict Microbial Community Traits Driving Carbon Fixation
Walter Scott, Jr. College of Engineering

276 Ariel Timkovich
Manipulation of Toll-Like Receptor 4 Ameliorates Injury-Induced Osteoarthritis Progression
College of Veterinary Medicine and Biomedical Sciences

277 Paul Todd
Synthesizing Complex Oxides Through Metathesis Reactions
College of Natural Sciences

278 Ben Trabing
The Sensitivity of Eyewall Replacement Cycles to Shortwave Radiation
Walter Scott, Jr. College of Engineering

279 Thinh Tran
Selective Synthesis of Complex Oxide Structures via Controlled Double-Displacement Reactions
College of Natural Sciences

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280 Raj Trikha
Eating for Two – Your Microbes and You
College of Health and Human Sciences

281 Rick Trippe
How do Plants Take up Selenium From Soil?
College of Natural Sciences

282 Roxy Trotter
Effects of Bacteriophage and Bifidobacterium Lactis Intake on Cardiovascular Measures
College of Health and Human Sciences

283 Tara Van Surksum
Gas-Phase Diagnostic Studies of H2 and CH4 Inductively Coupled Plasmas
College of Natural Sciences

284 Allegra Vazquez
A Berry Holistic Approach: Aronia Berries for Improving Endothelial Function
College of Health and Human Sciences

285 Ana Velasquez Munoz
Effect of Climatic Conditions on Diarrhea Occurrence in Dairy Calves
College of Agricultural Sciences

286 Zaria Vick
Understanding the Mechanism of a Neurotoxic Antibiotic
College of Veterinary Medicine and Biomedical Sciences

287 Kaitlyn Wagner
Assessing Chronic Wasting Disease Strain Differences From Non-Contiguous Outbreaks
College of Veterinary Medicine and Biomedical Sciences

288 Tyler Wallace
Sexual Divergence in Prefrontal Regulation of Depression-Relevant Behaviors
College of Veterinary Medicine and Biomedical Sciences

289 Maureen Walsh
Effects of NRF1-Activation on In Vitro Proteostasis and Mitochondrial Function
College of Health and Human Sciences

290 Dafu Wang
Next Generation Information Media: Controllable DNA Storage
College of Natural Sciences

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291 Zhenqiang Wang
Efficient Tsunami Evacuation Risk Assessment and Probabilistic Sensitivity Analysis
Walter Scott, Jr. College of Engineering

292 Abby Ward
Modular and Expandable Protein-DNA Co-Crystals: Scaffolds for Macromolecular Structure Determination
College of Natural Sciences

293 Jessica Warren
The Evolution of Mitochondrial tRNA Gene Loss and Functional Replacement
College of Natural Sciences

294 Lisa Weber
Deconstructing the Kinetics of Binding in Structure-Mediated Nucleic Acid Interactions
Walter Scott, Jr. College of Engineering

295 Taylor Weigel
Bringing the Symphony to the Nursing Home: Virtual Reality Exploration
College of Liberal Arts

296 Alex Weissman
Modelling Crown Base Height Change in Rocky Mountain Pinus Ponderosa
Warner College of Natural Resources

297 Breanna Wenck
An Archaeal Transcription Termination Factor
College of Natural Sciences

298 Kathleen Wendt
psyphr: R Packages to Wrangle, Visualize, and Analyze Psychophysiological Data
College of Health and Human Sciences

299 Celena Westberry
Calculating Biomass of Angamuco Using LiDAR Data
College of Liberal Arts

300 Tyler Whittier
Pairing Virtual Reality With Motion Capture to Measure Balance Performance
College of Health and Human Sciences

301 Tara Wigmosta
Advanced Surfaces for Orthopedic Implants
Walter Scott, Jr. College of Engineering

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302 Adeline Williams
Engineering Zika Virus Resistance in Transgenic Aedes aegypti
College of Veterinary Medicine and Biomedical Sciences

303 Alissa Williams
Correlated Amino Acid Substitution Rate Accelerations in Flowering Plant Genomes
University Interdisciplinary Programs

304 Emily Williams
Dust Exposure and Inflammatory Response Among Northern Colorado Dairy Workers
College of Natural Sciences

305 Robert Williams
Tissue-Specific Transcriptional Dynamics in the Developing Caenorhabditis elegans Intestine
College of Natural Sciences

306 Sere Williams
Stress Response in Rice: A Transcriptional Perspective
University Interdisciplinary Programs

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307 Phillip Window
Recyclable Nano-Material Assemblies of Gold Nanoclusters
College of Natural Sciences

308 Lindsay Winkenbach
Translation and mRNA Localization in the Early C. elegans Embryo
College of Natural Sciences

309 Jake Wolynski
Early Fracture Healing Prediction by Non-Invasive Multi-Location Direct Electromagnetic Coupling
Walter Scott, Jr. College of Engineering

310 Emily Woolf
Exploring the Cardiovascular Effects of Wild Blueberries in Middle-Aged/Older Men
College of Health and Human Sciences

311 Reed Woyda
Antibiotic-Free Chicken Production: A Characterization of Bacterial Resistome
University Interdisciplinary Programs

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312 Scott Wrigley
Effect of Acute Lipopolysaccharide Challenge on AoAH KO Mice
College of Health and Human Sciences

313 Yue Xu
China's Seafood Processing Zone: Rural Community Reform and Labor Migration
College of Liberal Arts

314 Yan Xue
Trans Men and Women in China: Darkness and Resilience
College of Liberal Arts

315 Eryth Zecher
Examining Listening Skills for French as a Foreign Language Learners
College of Liberal Arts

316 Morteza Ziaee
Advanced Manufacturing of Fiber-Reinforced Polymer Composites
Walter Scott, Jr. College of Engineering

317 Aeriel Belk
The Impact of Chilling Method on Chicken Microbiome and Quality
College of Agricultural Sciences

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Performers by College

COLLEGE OF LIBERAL ARTS

Courtney Ellison
Esther Hayes
Sheridan Loyd

Research, Scholarship, Entrepreneurship, and Visual Arts by College

COLLEGE OF AGRICULTURAL SCIENCES

14 Shailesh Raj Acharya
317 Aeriel Belk
43 Emma Briggs
54 Maria Cristina Capurro
61 Cetan Christensen
91 Rebecca Even
131 Kaysie Jennings
142 Shaista Karim
6 Pratyoosh Kashyap
158 Erin Love
163 Sean Markovic
179 Andrew Miller
203 Hania Oleszak
249 Alyx Shigenaga
253 Gilberto Solano Suarez
285 Ana Velasquez Munoz

COLLEGE OF BUSINESS

30 Kelsey Baun
58 Chris Castells
202 Dillon O'Hare
255 Michael Somers

COLLEGE OF HEALTH AND HUMAN SCIENCES

20 Ana Altares
23 Jake Anna
36 Abhishek Bhattacharjee
53 Haylee Candray
71 Kelley Covington
86 Kayl Ecton
95 Sean Gao
104 Moriah Hanson
114 Mary Hidde
115 Jessica Hill
4 Kayna Hobbs
117 Savannah Hobbs
144 Devin Kennedy
151 Kali LeMaster
169 Emma McGinnis
175 Sirui Mi
176 Kiri Michell
178 Amber Miller
183 Kristen Moore
186 Sarah Morton
193 Rob Musci
201 Arianna Odom
223 Srijesh Pradhan
224 Saloni Purandare
232 Sutton Richmond
7 Kate Schmidt
243 Julie Seidle
8 Jessica Shaver
266 Clayton Swanson
267 Molly Swanson
270 Kristen Tandy
272 Janee Terwoord
280 Raj Trikha
282 Roxy Trotter
284 Allegra Vazquez
289 Maureen Walsh
298 Kathleen Wendt
300 Tyler Whittier
310 Emily Woolf
312 Scott Wrigley

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26 Danielle Backman
27 Carla Bamesberger
31 Will Beaton
45 Paul Buckner
50 Sarah Butler
56 Emma Casey
65 Megan Clevenger
68 Carolyn Conant
81 Carly DeSanto
1 Samuel Dong Saul
87 Jess Egnatovich
89 Grace Ellis
2 Lauren Faherty
3 Spencer Gillespie
98 Andy Gilmore
101 Julia Greer
123 Juliette Hoover
5 Jacob Jaso
135 Caitlin Johnson
165 Amanda Martinek
167 Michelle Matter
184 Leslie Moore
204 Cynthia Ortega
206 Brianna OShea
216 Alex Pelissero
219 Ben Pettis
244 Lauren Seitz
254 Craig Somers
258 Louise Steele
263 Ray Sumner
271 Marie Taylor
9 Clark Valentine
295 Taylor Weigel
299 Celena Westberry
10 Zane White
11 Amy Young
313 Yue Xu
314 Yan Xue
315 Eryth Zecher

COLLEGE OF NATURAL SCIENCES

13 Susan Abernathy
16 Marissa Alliegro
17 Chris Allison
18 Areej Ali Alshahrani
22 Derek Anderson
25 James Armstrong
33 Katie Becker
35 Wyatt Beyers
37 Erin Boedicker
40 Kanda Borgognoni
42 Maggi Braasch-Turi
51 Zach Call
52 Anthony Campanella
57 Tom Cast
64 Kaylee Clark
69 Daniel Corbin
73 Hunter Cuchiaro
74 Robin Cywar
75 Ryan Czarny
77 Mortaza Derakhshani Molayousefi
80 Matt DeSaix
85 Derek Doyle
90 Colby Evans
92 Michelle Fallon
93 Rachel Fleming
94 Cole Frederick
109 Zachary Hazlett
116 Kimberly Hiyoto
119 Matt Hogan
120 Julie Holder
121 Hajar Homayouni
125 Lauren Hoskovec
126 Nelson Isaacson
127 Michael Itgen
128 Cassidy Jackson
133 Carly Jewell
134 Ashlie Johnson
138 Pascal Jundt
139 Amanda Kale
141 Diptendu Kar
145 Mihyun Kim
146 Alex Koegel
147 Kate Kostenkova
148 Matthew Lacroix
149 Ashley Larson
150 Ryan LaZur
154 Geraldy Liman
155 Albert Lionelle
156 Brooke Livesay
160 Jeffrey Ma
161 Roberta Maia Sabino
164 Craig Marshall
166 Matthew Marzo
171 Kate McMahon
172 Alyssa Melvin
173 Ruth Menger
180 Sam Miller
181 Dominique Montano
182 Danielle Montgomery
185 Daniel Mork
187 Ian Moseley
191 Eve Mozur
192 Stephen Mugel
197 Hieu Nguyen
199 Kelly Nieto
200 Zach Nilsson
205 Katrina Oselinsky
208 Tyler Ozvat
210 Arnold Paecklar
212 Dylan Parker
217 Collin Perry
222 Matson Pothier
236 Chris Rom
238 Fionna Samuels
239 Travis Sanders
241 Jacob Schneider
250 Erica Shin
260 Julius Stuart
274 Jon Thai
277 Paul Todd
279 Thinh Tran
281 Rick Trippe
283 Tara Van Surksum
290 Dafu Wang
292 Abby Ward
293 Jessica Warren
297 Breanna Wenck
304 Emily Williams
305 Robert Williams
307 Phillip Window
308 Lindsay Winkenbach

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41 Matt Bowers
46 Dylan Buglewicz
48 Lindsey Burton
49 Molly Butler
83 Jasmine Donkoh
88 Bridget Eklund
96 Christina Geldert
100 Lyndsey Gray
107 Arielle Hay
108 Joshua Hayes
113 Jasmin Hicks
189 Alex Moskaluk
209 Sebastian Pace
218 Alexa Personett
235 Savannah Rocha
240 Derek Schaeuble
242 Luke Schwerdtfeger
251 Jimmy Singh
257 Laura St Clair
276 Ariel Timkovich
286 Zaria Vick
287 Kaitlyn Wagner
288 Tyler Wallace
302 Adeline Williams

ABSTRACTS AND PERFORMERS BY COLLEGE

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UNIVERSITY INTERDISCIPLINARY PROGRAMS

15 Neha Ahuja
19 Ilham Alshiraihi
21 Duaa Althumairy
24 Zeyad Arhouma
34 Nikolas Bergum
44 Hayley Bubb
55 Sarah Carroll
62 Amanda Cicchino
63 Eliza Clark
76 Heather Deel
99 Jess Gray
111 Adam Heck
118 Amy Hodges
122 Shabana Hoosein
130 Marcel Kate Jardeleza
132 Eric Jensen
140 Rachel Kanaziz
159 Jared Luxton
162 Carolina Mariano Ferraz
168 Shelby Mcclelland
170 Katy McIntyre
174 Sean Merriman
188 Samantha Mosier
190 Clara Mosso
207 Paige Ostwald

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215 Erika Peirce
221 Alison Post
230 Kailee Reed
234 Katie Rocci
245 Platon Selemenakis
256 Shelley Spear
261 Emily Stuchiner
265 Julianna Sun
269 Catherine Tait
273 Selam Tewahade
303 Alissa Williams
306 Sere Williams
311 Reed Woyda

WALTER SCOTT, JR. COLLEGE OF ENGINEERING

12 Abdelrahman Abdallah
28 Kevin Barry
29 Danielle Bartholet
32 Audrey Beattie
59 Peter Chen
60 Sam Childs
70 Edson Costa Filho
78 Jacob DeRoo
79 Katie DeRose
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84 Erin Dougherty
102 Sohaib Habiballah

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106 Emad Hassan
112 Mona Hemmati
124 Noah Horesh
129 Sid Jain
136 Jimmy Johnson
137 Julieta Juncosa Calahorrano
143 Sajjad Karimi
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157 Lucas Loetscher
194 Alexandra Naegele
196 Jasmine Nejad
198 Michael Nguyen-Truong
211 Mitchell Page
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220 Jeremiah Piersante
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259 Stefan Strutz
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WARNER COLLEGE OF NATURAL RESOURCES

38 Andrew Bolton
39 Randall Bonnell
47 Kate Burgess
66 Hank Cole
67 Natasha Collins
72 Matthew Creasy
97 Ryleigh Gelles
103 Emma Hanslowe
105 Isabella Harris
110 David Heath
153 Amber Lidell
177 Juarez Michelotti
195 Kelsey Navarre
227 Audrey Ramsey
228 Shaunie Rasmussen
233 Tawni Riepe
237 Kivanc Sabunis
246 Nikki Seymour
268 Neal Swayze
296 Alex Weissman

CELEBRATING RESEARCH AND CREATIVITY

GRADUATE STUDENT SHOWCASE

NOVEMBER 12, 2019

LORY STUDENT CENTER, GRAND BALLROOM

9:30 a.m. to 12:30 p.m. LSC Grand Ballroom	**Poster Presentations, Visual Arts, and Performances** 9:30 a.m. to 11:30 a.m. **I GREEN Presenters** 9:40 a.m. to 10:30 a.m. **I Performing Arts** 10:30 a.m. to 12:30 p.m. **I GOLD Presenters**
12:30 p.m. to 1:30 p.m.	**Lunch on Your Own**
1:30 p.m. - 3:15 p.m. LSC Theatre	KEYNOTE ADDRESS: **Melissa Marshall** *Talk Nerdy to Me: Engaging Audiences in Your Research*
3:30 p.m. - 4:30 p.m. 382 LSC	EXPERT PANEL: **Talking Up Your Research to Build Your Professional Network** Presented by Graduate Student Council and CSU *Writes*
4:30 p.m. to 6:00 p.m. LSC Grand Ballroom	**Awards Reception**

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