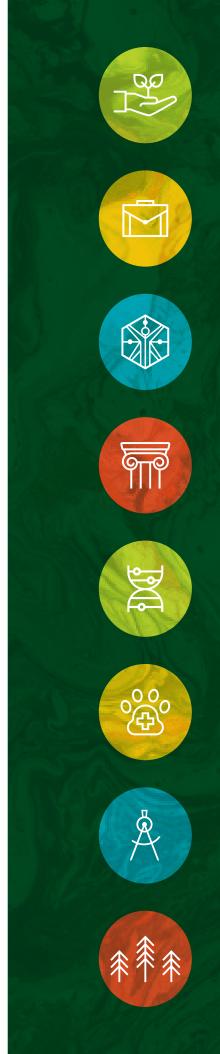
CELEBRATING RESEARCH
AND CREATIVITY

GRADUATE STUDENT SHOWCASE

NOVEMBER 13, 2018





ACKNOWLEDGMENTS

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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.

Abstracts for posters and visual arts presentations in the showcase are available in the 2018 Graduate Student Showcase Collection housed by the CSU Digital Repository.

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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. Katherine Indermaur

9:50 a.m. Michelle LaCrosse

10:00 a.m. Mikey Borgard

10:10 a.m. Danny Schonning

10:20 - Intermission -

10:40 a.m. Kevin Poelking

10:50 a.m. Emma Hyche

11:00 a.m. Susannah Lodge-Rigal

11:10 a.m. Margaret Browne

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PERFORMING ARTS

9:40 Katherine Indermaur

"Facing the Mirror": A Poetic Reflection College of Liberal Arts

9:50 Michelle LaCrosse

NonFiction Short Essay, "Wild Swans" College of Liberal Arts

10:00 Mikey Borgard

Not so Dreadful Here: A Novel College of Liberal Arts

10:10 Danny Schonning

The small, too, was infinite College of Liberal Arts

10:40 Kevin Poelking

Lucy for Brass Choir and Piano College of Liberal Arts

10:50 Emma Hyche

"The Epidermis of Reality": Poetry of Filmic Sight College of Liberal Arts

11:00 Susannah Lodge-Rigal

In sky so nameless

College of Liberal Arts

11:10 Margaret Browne

circumference of grief College of Liberal Arts

VISUAL ARTS

1 Rebecca Dias

Dissolution of the Self. The Essence of Creating a Mandala College of Health and Human Sciences

2 Lauren Faherty

Constructing Sense of Self Through Material Culture and Memory College of Liberal Arts

3 Christy Nelson

Cognitive Repair College of Liberal Arts

4 Emily Sullivan

Looking at Clouds: an Examination of Shifting Place College of Liberal Arts

5 Isaac Truiillo

Process The Stonen College of Liberal Arts Abstract Number / Presenter / Title / College

RESEARCH, SCHOLARSHIP, AND ENTREPRENEURSHIP

6 Evan Acerbo

The Effects of Sulforaphane on Nitric Oxide Induced Mitochondrial Dysfunction College of Veterinary Medicine and Biomedical Sciences

7 Diane Aceveda

Engineering and Evolving Proteins with Designer Function College of Natural Sciences

8 Ethan Ader

Geomorphic Effects of Channel Spanning Logjams on Hyporheic Exchange Flow Warner College of Natural Resources

9 Aditya Aditya

Value Chain Upgradation in Indian Agriculture: A case of 'DeHaat' College of Liberal Arts

10 Becky Agard

Moving Together: Understanding Parents' Perceptions of Activity and Movement Skills

College of Health and Human Sciences

11 Neha Ahuja

Myocardial Afterload is an Epigenetic Regulator of Cardiac Valve Formation University Interdisciplinary Programs

12 Ali Akherati

A Comprehensive Model to Simulate Biomass Burning Organic Aerosol Walter Scott, Jr. College of Engineering

13 Tasnuva Alam

Bimanual Control Differs Between Force Generation and Force Release College of Health and Human Sciences

14 Rasha Alnefaie

Characterization of Zebrafish Models of Filamin C Related Cardiomyopathy University Interdisciplinary Programs

15 Mohammed Al-refai

Using Fuzzy Logic for Model-Based Regression Test Selection College of Natural Sciences

16 Noelia Altina

A Novel Susceptibility Factor for Prion Disease: Sps1 University Interdisciplinary Programs

17 Kendra Andrie

Nrf2-Signaling in OA-Prone Hartley Guinea Pig Chondrocytes In Vitro College of Veterinary Medicine and Biomedical Sciences Abstract Number / Presenter / Title / College

18 Kaytee Ankrom

Plant-Parasitic Nematodes: Response to Changing Precipitation Regimes College of Natural Sciences

19 Ryan Arey

A Rat-Specific PBPK Model for the Antimalarial Drug Artesunate Walter Scott, Jr. College of Engineering

20 Zeyad Arhouma

Decavanadate Inhibits Microbacterial Growth More Potently than Other Oxovanadates University Interdisciplinary Programs

21 Addie Arnold

Access Solar: Everybody's Energy College of Business

22 David Atkins

Pine Wilt Disease in the Front Range Region of Colorado Warner College of Natural Resources

23 Withdrawn

24 Shadi Azadegan

Vulnerability, Resilience, and Social Justice in Disaster Recovery College of Liberal Arts

25 Rita Azaltovic

Environmental Education Workshop for CSU Todos Santos Center College of Agricultural Sciences

26 Nate Bachman

Assessment of Cardiovascular Disease Risk in Ultra-Endurance Athletes College of Health and Human Sciences

27 Sahar Bagheri Toulabi

Barriers to Adopt Potato with Enhanced Health Properties In Colorado College of Agricultural Sciences

28 Kevin Barry

Ice Formation in an Atmospheric River Event During ACAPEX Walter Scott, Jr. College of Engineering

29 Katie Becker

Hearing and Seeing Emotion: An Electroencephalography Study College of Natural Sciences

30 Braden Beckstrom

Carbon Sequestration Through Algae Based Bioplastics and Biofuel Production Walter Scott, Jr. College of Engineering

31 Aeriel Belk

Using the Microbiome to Estimate the Postmortem Interval College of Agricultural Sciences

32 Stefanie Berganini

Homelessness in Fort Collins: Social Services, Stigma, and Policy College of Liberal Arts

33 Hannah Berry

Overcoming the Plant Growth Defense Tradeoff by Manipulating Hormonal Crosstalk

University Interdisciplinary Programs

34 Deniz Besiktepe Karaman

Analysis of the Maintenance Work Order Data in Educational Institutions Walter Scott, Jr. College of Engineering

35 Harmonie Bettenhausen

New Life for Old Traits: Omics of Heirloom Malted Barley College of Agricultural Sciences

36 Wyatt Beyers

Defining Two Pore Channel Two's Role in Melanosome Homeostasis College of Natural Sciences

37 Vishwajeet Bhosale

Automated Attack Graph Generation for The Home IoT Environment Walter Scott, Jr. College of Engineering

38 Tom Bickett

T Cell Independent Mechanisms of Protection Against Mycobacterium Tuberculosis University Interdisciplinary Programs

39 Tyler Biebighauser

Dynein at the Kinetochore College of Natural Sciences

40 Dave Bissinger

Prions are Commonly Present in Muscle of CWD-Infected Animals College of Veterinary Medicine and Biomedical Sciences

41 Jenn Bjerke

Uptake and Cellular Localization of Differentially Resurfaced Cell-Penetrating Nanobodies College of Natural Sciences

42 Hayley Blackburn

Civic Discourse in Online Spaces Around Marvel's Black Panther Film College of Liberal Arts

43 Raven Bough

Characterization of Novel Quizalofop Herbicide Resistance in CoAXium Wheat College of Agricultural Sciences

44 Maggi Braasch-Turi

Progress Towards the Total Synthesis of Versiquinazoline B College of Natural Sciences Abstract Number / Presenter / Title / College

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Ketones and Atmospheric Detergents: How the Atmosphere Cleans Itself Walter Scott, Jr. College of Engineering

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Subtropical South American Hailstorm Characteristics and Environments Walter Scott, Jr. College of Engineering

47 Dylan Buglewicz

Carbon-lon Radiotherapy: Radiosensitizers and Biological Effects Surrounding the Bragg Peak College of Veterinary Medicine and Biomedical Sciences

48 Zachary Butz

An In Situ Nanoparticle for Biological Electron Microscopy College of Natural Sciences

49 Matthew Cackovic

Fabrication of Superomniphobic Paper Walter Scott, Jr. College of Engineering

50 Amanda Carlson

Disturbance Effects on Below-Canopy Temperatures Under Extreme Weather Conditions

University Interdisciplinary Programs

51 Ellie Casas

Simplified Understanding of Boundary-Layer Structure Impacts on Tropical Cyclone Intensity Walter Scott, Jr. College of Engineering

52 Ting Cha

Comparison of Wind Retrieval Techniques from Single and Multi-Doppler Radar Walter Scott, Jr. College of Engineering

53 Aung Chan

Habitat Use of Asian Elephant in Myanmar Warner College of Natural Resources

54 Divya Chawla

Improving Training of Health Workers in Rural India Using e-Learning University Interdisciplinary Programs

55 Rebecca Cheek

Mechanisms Reinforcing Microgeographic Divergence in an Island Endemic University Interdisciplinary Programs

56 Peter Chen

Techno-Economic Limitations of Algal Biofuel Cultivation and Conversion Walter Scott, Jr. College of Engineering

57 Ming-Hao Cheng

Integrated Biosensor for Monitoring Metabolic Rate of Single Cell Walter Scott, Jr. College of Engineering Abstract Number / Presenter / Title / College

58 Shiva Chenna

Artificial Neural Networks for Predicting Fuel-Consumption and Emissions Walter Scott, Jr. College of Engineering

59 Benjamin Choat

Spatial Arrangement of Stormwater Infiltration Affects Subsurface Storage and Low-Flows Walter Scott, Jr. College of Engineering

60 Charlotte Cialek

Visualizing Translation Repression in Live Human Cells College of Natural Sciences

61 Caitlin Clark

Volatile Aroma Profiles of Chocolate Refined in a Stone Wet-Grinder College of Health and Human Sciences

62 Eliza Clark

Dispersal Ecology and Evolution in a Range Expanding Biocontrol Agent University Interdisciplinary Programs

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Feasibility of Excess Gestational Weight Gain Prevention in Pregnant Adolescents College of Health and Human Sciences

64 Jenny Colussi

Effect of Diclofenac Ophthalmic Solution on Tear Production in Canines College of Veterinary Medicine and Biomedical Sciences

65 Victoria Combs

Charge Separation and Transport in Charge Ordered Perovskites for Photovoltaics College of Natural Sciences

66 Edson Costa Filho

Modeling Evapotranspiration Using an Aerodynamic Temperature and Remote Sensing Approach Walter Scott, Jr. College of Engineering

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Longitudinal Association of Physical Activity with Intrinsic and Extrinsic Motivation College of Health and Human Sciences

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Fitness Therapy for Cancer Program: Internal and External Validity Evaluation College of Health and Human Sciences

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Targeting the MAPK Pathway in Canine Transitional Cell Carcinoma University Interdisciplinary Programs

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Riparian Functional Guilds on the Verde River, Arizona University Interdisciplinary Programs

71 James Curlin

Evolution of HIV from SIV in a Humanized Mouse Model University Interdisciplinary Programs

72 Alden Curtis

Nuclear Fusion with High Power Lasers Walter Scott, Jr. College of Engineering

73 Kelsie Daigle

Planning for Parental Leave: A Qualitative Analysis of Planning Decisions College of Natural Sciences

74 Caitlin Daimon

β-endorphin from Proopiomelanocortin Neurons Can Mediate Activity-Based Anorexia

College of Veterinary Medicine and Biomedical Sciences

75 Marielle Darwin

Band Together: Community Arts Engagement Affects Age-Related Cognitive Decline College of Natural Sciences

76 Haley Davis

Ractopamine in Target and Off-Target Tissues from Yearling Steers College of Agricultural Sciences

77 Heather Deel

The Microbial Clock of Human Ribs for Estimating Postmortem Interval University Interdisciplinary Programs

78 Mortaza Derakhshani Molayousefi

Deterring Effect of Resins in Aggregation of Asphaltenes College of Natural Sciences

79 Reecie Dern

An Assessment of Dental Age from the Necropolis of Kopila College of Liberal Arts

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Evaluation of the Production of Fuels from Distiller's Grains Walter Scott, Jr. College of Engineering

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Dynactin, a Molecular Regulator of Motor Protein Dynein University Interdisciplinary Programs

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Flexible Decision Making with Social Experiences College of Natural Sciences Abstract Number / Presenter / Title / College

83 Rachel Doser

The Influence of Reactive Oxygen Species on Learning and Memory College of Veterinary Medicine and Biomedical Sciences

84 Enrique Doster

Antimicrobials in Beef Feedlots: Effects on Microbiome and Resistome Dynamics College of Veterinary Medicine and Biomedical Sciences

85 Erin Dougherty

Changes to U.S. Flash Floods in a Future Climate

Walter Scott, Jr. College of Engineering

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Participants' Perception of Fit Cancer, a Group-Based Community Exercise Program College of Health and Human Sciences

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Do Regular Wildfires Heat Up the Price of Drinking Water? College of Liberal Arts

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A Case Study of the Economics of Criollo Cattle Production College of Liberal Arts

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Toward Improved Dynamic Windows: An Investigation of WO3 Nanorods College of Natural Sciences

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The Big Deal About Small Nutrients Changes in Tropical Lakes University Interdisciplinary Programs

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Low-Temperature Synthesis of Metal Chalcogenides Using an Organic Flux College of Natural Sciences

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Family Mealtime with Preschoolers: Differences in Parent Ideals and Reality College of Health and Human Sciences

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Conifer Regeneration and Wildfire Fuels Reduction Treatment Longevity in Colorado

University Interdisciplinary Programs 94 Alison Foster

Will Colorado Forests Shift Upwards? Tree Regeneration Under Climate Change Warner College of Natural Resources

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Can We Detect Tornadic Supercell Conditions from Space? Walter Scott, Jr. College of Engineering Abstract Number / Presenter / Title / College

96 Magda Garbowski

Assessing the Role of Genetic and Trait Variability in Restoration University Interdisciplinary Programs

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Exploration of Honeybee Gut Microbiomes by Veterinarians and Honeybee Researchers College of Veterinary Medicine and Biomedical Sciences

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Viral Infection of Bovine Fetuses Results in Impaired Immune Development College of Veterinary Medicine and Biomedical Sciences

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Coastal Flooding Risks on the Rise Walter Scott, Jr. College of Engineering

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Vehicles of Democracy: Vernacular Monumentality and the Umbrella Revolution College of Liberal Arts

101 Kate Gloeckner

Effect of Gaze on Length of Stay in Shelter Dogs College of Natural Sciences

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Harnessing One Health: Reimagining a Growing Paradigm University Interdisciplinary Programs

103 Jenna Gordon

Development of Localized Anticancer Therapeutics College of Natural Sciences

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Prototype Development for Enhanced Audiogram Understandability College of Health and Human Sciences

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Mapping Potential Genetic Selection in Mosquitoes from Ivermectin Drug Administrations College of Veterinary Medicine and Biomedical Sciences

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Modeling the Techno-Economical Feasibility of Bio-Fuels Production from Marine Macroalgae Walter Scott, Jr. College of Engineering

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Vulnerability in the Hollow College of Liberal Arts

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Extreme Drought Increases Plant Functional Diversity in Grasslands University Interdisciplinary Programs

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Exploring Arts Engagement's Role in Relational Maintenance College of Liberal Arts

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Analysis of Tropospheric Gravity Waves in a Mesoscale Convective System Walter Scott, Jr. College of Engineering

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Aquatic Insects' Resilience to Changing Canopy Coverage, Elevation and Temperature University Interdisciplinary Programs

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Rhenium Within Biology: Current Applications Involving Cancer and Future Studies College of Natural Sciences

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How Does Increasing Agriculture Drive Elephant Behavioral Shifts in Kenva? University Interdisciplinary Programs

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Osteobiographies of Burial 4 and 26 at Patakfalva Romania College of Liberal Arts

115 Derek Handwerk

Phase Equations of the Anisotropic Complex Ginzburg-Landau Equation College of Natural Sciences

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Smartphone-Based Assessment of Balance in Neurological Patients After Yoga Intervention College of Health and Human Sciences

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Exploring Quiz-Data for Detecting Learning Behaviors: Non-Proctored Online Assessments College of Health and Human Sciences

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LiDAR and GIS: Extracting and Defining Archaeological Urbanism College of Liberal Arts

119 Emad Hassan

Seismic Resilience and Recovery of Hospital Clusters Walter Scott, Jr. College of Engineering

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Effects of Memory for Errors on Error Correction College of Natural Sciences

Abstract Number / Presenter / Title / College

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Identification and Relocation of Earthquakes in the Mackenzie Mountains,

Warner College of Natural Resources

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Regulation of Neural Differentiation Through mRNA Methylation in Stem Cells University Interdisciplinary Programs

123 Garrett Heck

Risk Assessment for Vector-Borne Diseases at Gateway National Recreation

University Interdisciplinary Programs

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Statistical Methods for Estimating Health Effects of Multi-Pollutant Mixture Exposures College of Natural Sciences

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Glycocalyx-Mimetic Surfaces Prevent Blood Protein Adsorption and Fibrin Network Formation Walter Scott, Jr. College of Engineering

126 Hadi Heidari

Water Shortage Vulnerability Under Land Use and Climate Change Scenarios Walter Scott, Jr. College of Engineering

127 Natascha Heise

Virtual Reality – An Intuitive Tool for Structural Visualization College of Veterinary Medicine and **Biomedical Sciences**

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Resolving the 'Contrast Problem' in Biological Microscopy College of Natural Sciences

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Multifunctional Material for the Detection and Killing of Bacteria College of Natural Sciences

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Synaptic Ultrastructure at the Drosophila Neuromuscular Junction College of Veterinary Medicine and Biomedical Sciences

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Self-Efficacy Changes Following Personal-Training or Group-Dynamics-Based Exercise in Cancer Survivors College of Health and Human Sciences

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Impact of Lymph Node Dysfunction on Metabolic and Immune Function College of Health and Human Sciences Abstract Number / Presenter / Title / College

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Relative Influences of Wood and Valley Geometry on Sediment Distribution Warner College of Natural Resources

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Understanding Fungal Symbiotic Networks to Increase Restoration Success

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Controlling Surface Structure Orientation on Gold Nanoparticles for Medicinal Purposes College of Natural Sciences

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Climate Change, Household Amenities, and Women's Nutritional Status College of Liberal Arts

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Windthrow Fragility Assessment of Urban Trees Subjected to Extreme Winds Walter Scott, Jr. College of Engineering

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Agreement of Cut Point Definitions Within the NEXT Plus Dataset College of Health and Human Sciences

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Incorporation of CdSeTe Into CdTe Absorbers for Increased Photovoltaic Efficiency College of Natural Sciences

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The Effects of CDH5 on Valve Cell Differentiation and Function College of Natural Sciences

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Food Deserts College of Business

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Toward Magneto-Controlled High-Spin Photoredox Catalysts College of Natural Sciences

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Dance as Cognitive, Physical and Social Enrichment in Older Age College of Health and Human Sciences

150 Miguel Jimenez

The Role of Citizen Science in Research and Public Engagement University Interdisciplinary Programs

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Intergenerational Alcohol Abuse: An Application of the Family Stress Model College of Natural Sciences

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Eye-Tracking to Explore Nutrition Label Formats on Food Selection College of Natural Sciences

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Deja Moo! History of the Farm at Lee Martinez Park College of Liberal Arts

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Bridging Economic Divides: Impact Assessment of Ten Thousand Villages Canada College of Liberal Arts

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Understanding of Benzalkonium Chloride-Mediated Ocular Inflammatory Response via Computational Modeling College of Veterinary Medicine and Biomedical Sciences

156 Robert Kaplan

Mechanical Properties Influence Chimpanzee Tool Selection for Nut Cracking College of Liberal Arts

157 Diptendu Kar

That's My DNA: Biology Meets Cryptology to Trace Back DNA College of Natural Sciences

158 Withdrawn

Abstract Number / Presenter / Title / College

159 Sajjad Karimi

Boosting Biogas Production from Solid Waste via Moisture Enhancement Techniques

Walter Scott, Jr. College of Engineering

160 Marissa Karpack

Quantitative Assessment of Floodplain Functionality Using an Index of Integrity Walter Scott, Jr. College of Engineering

161 Emily Kastendieck

MEGMobile: Creating a Bioinformatics Tool to Analyze Mobile Genetic Elements College of Veterinary Medicine and Biomedical Sciences

162 Mihyun Kim

Hill Estimator of Projections of Functional Data on Principal Components College of Natural Sciences

163 Adam Kinney

How Does Social and Community-Based Activity Foster Wellbeing in Veterans? College of Health and Human Sciences

164 Kimberly Klas

Elucidation of the Biological Pathways in Malbranchea and Penicillium College of Natural Sciences

165 Tara Klinedinst

Health and Sociodemographic Factors as Predictors of Activity in T2DM College of Health and Human Sciences

166 Allee Klug

Block Copolymer Nanostructure for Fatigue and Fracture Resistant Hydrogels College of Natural Sciences

167 Alex Koegel

Correlating Structural Dynamics and Broadband Emission in Two-Dimensional Perovskites College of Natural Sciences

168 Jordan Koehn

Synthesis and 3D-Conformational Investigation of Partially Saturated Menaquinone Derivatives College of Natural Sciences

169 Gretchen Kroh

Molecular Changes Following Fe-Depletion Suggest a Regulated Fe Acclimation Response College of Natural Sciences

170 I Ting Ku

Characterization of Cloud Water Impacted by Wildfire During WE-CAN 2018 Walter Scott, Jr. College of Engineering Abstract Number / Presenter / Title / College

171 Adam Kuehster

Synthesis and Characterization of Mayenite Electride - Ti Composites College of Natural Sciences

172 Grace Kuiper

Characterizing Wild Ungulate Microbiome and Resistome, and Comparison to Cattle University Interdisciplinary Programs

173 Julie Lake

Microgreen Production: An Evaluation of Types of Growing Media College of Agricultural Sciences

174 Steven Lakin

WarpNL: Improving Microbiome and Antimicrobial Resistance Surveillance Using Statistical Supercomputing College of Veterinary Medicine and Biomedical Sciences

175 Lindsay Lammers

How Does the Protein Ndl1 Regulate Mitosis? College of Natural Sciences

176 Ashley Larson

Myoglobin Versus Fiber Type Expression in Skeletal Muscle Cells College of Natural Sciences

177 Becca Lassell

A Logic Model of a Dementia-Specific Program of Equine-Assisted Activities College of Health and Human Sciences

178 Dustin Lee

Effect of Bifidobacteria Probiotic Supplementation in Western-Diet Fed Mice

College of Health and Human Sciences

179 Withdrawn

180 Ashley Leek

Neuronal Kv2.1 Clusters Influence the Diffusion Landscape of Adjacent Astrocytes College of Veterinary Medicine and Biomedical Sciences

181 Sarah Leichty

Gone with the Wind: Carbon Loss in Irrigated Corn System University Interdisciplinary Programs

182 Min Li

Impact of New Levee Constructions on Variation of Sea Level Walter Scott, Jr. College of Engineering

183 Tiantian Li

Global Engagement Initiatives: Building Bridges Among International and Domestic Students College of Health and Human Sciences

184 Julie Liebenguth

Conceptions of Security in Global Environmental Discourses College of Liberal Arts

185 Dani Lin Hunter

Citizen-Scientist or Citizen-Technician: Thematic Analysis of CitSci.org Projects University Interdisciplinary Programs

186 Jakob Lindaas

How Much Ammonia is in Wildfire Smoke? Walter Scott, Jr. College of Engineering

187 Michael Link

Constraining Summertime Chemical Production of Organic Acids in Forested Environments College of Natural Sciences

188 Nicole Litwin

Acute Effects of Red Beetroot Juice on Postprandial Endothelial Dysfunction College of Health and Human Sciences

189 Lucas Loetscher

Application of First Principle Design Methodologies to Optimize Waste Bioconversion Walter Scott, Jr. College of Engineering

190 Katherine Lopez Ambrosio

Hydroxyapatite Structures Created by Additive Manufacturing with Extruded Photopolymer College of Natural Sciences

191 Nicole Lopinski

Investigating the Diets of Humans and Neandertals Through Faunal Assemblages College of Liberal Arts

192 Hannah Love

Teaching Team Science College of Liberal Arts

193 Matthew Lurtz

Riparian Evapotranspiration in Relation to Groundwater and Surface Water Exchange Walter Scott, Jr. College of Engineering

194 India Luxton

BSharp: A Community-Based Music Intervention for PWD and Caregivers College of Liberal Arts

195 Jared Luxton

Novel Assessment of Patient Radiosensitivity via Chromosomal and Telomeric Biomarkers University Interdisciplinary Programs Abstract Number / Presenter / Title / College

196 Erin Lynch

The Cellular DXO Decapping Exonuclease is a Potent Antiviral Effector University Interdisciplinary Programs

197 Brianna Magbual

Finding the Path of Steepest Ascent-Allocating Wildfire Program Budgets Warner College of Natural Resources

198 Blessing Magonziwa

A "Soil Tool Kit" for In-Field Soil Analysis College of Agricultural Sciences

199 Roberta Maia Sabino

Blood Plasma Protein Interaction with Superhydrophobic Titania Nanotube Surfaces College of Natural Sciences

200 Andrew Mann

Tradeoffs Between Environmental Tolerance and Virulence in an Entomopathogenic Fungus Warner College of Natural Resources

201 Sean Markovic

Enhancing Perennial Stock Production Through Application of Plant Growth Regulators College of Agricultural Sciences

202 Craig Marshall

Integrated Physiological Correlates of Osmoregulation and Performance in Trinidadian Guppies College of Natural Sciences

203 Matthew Marzo

Molecular Basis for Motor Protein Deficits in Neurological Disease College of Natural Sciences

204 Weston Maughan

Edge Effects on Vortex Nucleation in Superconducting Granular Aluminum Films

College of Natural Sciences

205 Alex Mauro

Salinity Tolerance & Competition Interact to Limit Ranges in Guppies
University Interdisciplinary Programs

206 Emily Maverick

Open or Closed? Probing Protein Conformation and Electrical Function College of Veterinary Medicine and Biomedical Sciences

207 Skyler Mavor

Geologic Mapping of the Atacama and Taltal Fault Systems, Chile Warner College of Natural Resources Abstract Number / Presenter / Title / College

208 Dillon Maxwell

Hell in the Promised Land: Environment and Mountain Meadows Massacre College of Liberal Arts

209 Blaine McCarthy

Growing Green Plastics Using the Sun College of Natural Sciences

210 Withdrawn

211 Alyssa Melvin

Enhancing Biocompatibility of Glucose Biosensors with Nitric Oxide-Releasing Metal-Organic Frameworks College of Natural Sciences

212 Marissa Metz

Endorphin Precursor Upregulation in Response to Pain and Reward College of Veterinary Medicine and Biomedical Sciences

213 Kelton Meyer

Lichenometry at a Prehistoric Alpine Hunting Site in Colorado College of Liberal Arts

214 Andrew Monaghan

Effects of Footwear Cushioning on Walking Performance in Multiple Sclerosis College of Health and Human Sciences

215 Patrick Monaghan

Smart Device-Based Assessment of Motor Function Impairment College of Health and Human Sciences

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Assessing Health Indicators in Larimer County Sexual Minorities University Interdisciplinary Programs

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Are You What You Eat? Lipids and Potential Intracellular Responses College of Natural Sciences

218 Marcia Moraes

Visualizations to Support Self-Regulation of Students' Learning Behaviors
College of Health and Human Sciences

219 Withdrawn

220 Eve Mozur

Organic Cation Dynamics Encourage Conduction in Hybrid Perovskite Semiconductors College of Natural Sciences

221 Rebecca Much

Understanding Drivers of Coyote Predation on Black-Footed Ferrets Warner College of Natural Resources

222 Stephen Mugel

Metabolic Rate Drives Behavior and Life History in Honeybees College of Natural Sciences

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Novel Roles of 5' UTR Elements in Viral Infections University Interdisciplinary Programs

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Enhancing Cancer Killing Oncolytic Viruses with Vanadium-Based Phosphatase Inhibitors College of Natural Sciences

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Reworlding and Making Kin in Jeff VanderMeer's Annihilation College of Liberal Arts

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To Each Their Own: Bacterial Chemical Attractants Within Pectobacteriaceae Family

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227 Michael Neale

Evaluating Water Reuse and Conservation Strategies in Three U.S. Cities Walter Scott, Jr. College of Engineering

228 Nora Jean Nealon

Lactobacilli Differentially Ferment Rice Bran to Suppress Antimicrobial-Resistant Salmonella Growth University Interdisciplinary Programs

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Different Mechanical Properties Between Adult Sheep Right and Left Ventricles Walter Scott, Jr. College of Engineering

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Investigation on how loss of $\delta\text{-catenin}$ function induces Autism-associated dysfunction University Interdisciplinary Programs

231 Aleks Novak

Slump Structures as a Tool to Reconstructing Synsedimentary Tectonic Activity

Warner College of Natural Resources

232 Kayla Nuss

Wrist- and Arm-Worn Apple Watch Validation College of Health and Human Sciences

233 Kate O'dell

Wildfire Smoke's Contribution to US PM2.5 and Influence on Trends Walter Scott, Jr. College of Engineering Abstract Number / Presenter / Title / College

234 Peter Olayemi

Exploring the Potential Soil Health Benefits of Lactobionate College of Agricultural Sciences

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A Macrosystems Approach to Understanding Productivity Changes in Mountain Lakes University Interdisciplinary Programs

236 Daniel Oliver

Metabolomics Profiling of Hops to Develop Storage Indices for Brewing College of Agricultural Sciences

237 Emily Orlikoff

Neanderthal Cannibalism?: Analysis of Marks on Faunal Remains at Krapina College of Liberal Arts

238 Karyn Orth

Analysis of Microhabitat Choice & Social Dynamics of Sea Lions College of Natural Sciences

239 Katrina Oselinsky

Effects of an Intrinsic Motivation Intervention on Exercise Behavior College of Natural Sciences

240 Paige Ostwald

Knockout of Has2 Splice Variant-1 Results in Malformed Cardiovascular Development University Interdisciplinary Programs

241 Arnold Paecklar

How Understanding Nitrogen Adsorption Can Improve Industrially Relevant Catalytic Processes College of Natural Sciences

242 Ramesh Pandey

Substrate CdTe as Top Cell for CdTe/Si Tandem Solar Cell College of Natural Sciences

243 Hugo Pantigoso Guevara

Phosphorus Shifts the Microbial Community in the Rhizosphere of College of Agricultural Sciences

244 Lara Pantlin

It's About Time: Music and Resistance to **Psychosis** College of Natural Sciences

245 Lindsev Paricio

Broad Range Reduction of Biofilm Formation via Nitric Oxide College of Natural Sciences

246 Dylan Parker

mRNA Localization in the Early Caenorhabditis Elegans Embryo College of Natural Sciences

Abstract Number / Presenter / Title / College

247 Ben Pawlowski

Dynamic Modeling and Control of Soft

Walter Scott, Jr. College of Engineering

248 Camron Pearce

Exploring Drug Efficacy in Mice Infected with Pulmonary Mycobacterium Abscessus College of Veterinary Medicine and **Biomedical Sciences**

249 Morgan Pearson

Correlates of Mucosal Immune Control of Feline Enteric Coronavirus Replication College of Veterinary Medicine and **Biomedical Sciences**

250 Manny Pena

Enhancement of Cobalt-59 NMR Thermometry via Ligand Design College of Natural Sciences

251 Brandon Perry

A Streamlined Bridge Inspection System Utilizing Unmanned Aerial Vehicles Walter Scott, Jr. College of Engineering

252 Collin Perry

Controlling Hydrogenase Orientation for Increased Hydrogen Production College of Natural Sciences

253 Grace Peterson

Stress, Coping, and Emotional Distress of Medically Underserved Cancer Patients College of Natural Sciences

254 Brooke Phipps

A Woman's Place is in the (Digital) Resistance College of Liberal Arts

255 Dayton Pierce

The Phosphatase PTP-3 Regulates AMPAR Transport In Vivo University Interdisciplinary Programs

256 Elizabeth Pike

Coteaching During Student Teaching: Walking the Talk College of Health and Human Sciences

257 Elena Pires

Investigating the Role of RAD51AP1 in Homologous Recombination DNA Repair University Interdisciplinary Programs

258 Megan Posukonis

Fracture Characterization via Computed Tomography in Thoroughbred Racehorses College of Veterinary Medicine and **Biomedical Sciences**

259 Alex Preston

Nanoporous Stainless Steel with Structural Hierarchy College of Natural Sciences

260 Kevin Prokop

Treeline Investments College of Business

261 Saloni Purandare

Development of Haute Couture Using Innovative Hand Woven Ilkal Fabric College of Health and Human Sciences

262 Emily Ramnarine

Global Climate Impacts of Microphysics Within Biomass Burning Smoke Plumes Walter Scott, Jr. College of Engineering

263 Ellen Ratajack

Right on Target: Perceptions/Prevalence of Stalking in Parental Alienation College of Natural Sciences

264 Stephanie Rayburn

Becoming Fathers: Feasibility of a Community-Based Intervention College of Health and Human Sciences

265 Julia Reedy

Dialysis and Transplantation on the Pine Ridge Indian Reservation College of Liberal Arts

266 Brogan Resch

Impact of Music Cueing on Balance in Parkinson's Disease College of Liberal Arts

267 Alec Richardson

Instrumented Microfluidic Organotypic Device (iMOD) to Analyze Intestinal Tissue Ex-Vivo

Walter Scott, Jr. College of Engineering

268 Mi Riches

Investigating Leaf-Level Plant Response to Abiotic Stressors College of Natural Sciences

269 Sutton Richmond

Utilization of Time to Boundary for Objective mB.E.S.S Postural Evaluation College of Health and Human Sciences

270 Nada Rifai

Molt Induction Effects on Phosphodiesterase Expression in Decapod-Crustacean Molting Glands College of Natural Sciences

271 Withdrawn

272 Katie Rocci

Modification of Fertilizer and Soil Nitrogen by Plants and Biochar University Interdisciplinary Programs Abstract Number / Presenter / Title / College

273 Mikaela Rodenbaugh

Does Immersive 360° Video Journalism Increase Empathy in News Audiences? College of Liberal Arts

274 Josue Rodriguez Ramos

Microbial Communities Support Methanogenesis in Oxygenated Wetland

College of Agricultural Sciences

275 Marina Rodriguez

The Cost of Reproduction: Telomere Shortening in Nesting Tree Swallows Warner College of Natural Resources

276 Chris Rom

Computationally Guided Synthesis of Novel Magnesium Nitride Ternary Materials College of Natural Sciences

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Colorado Disparate Mortgage Lending Practices by Race/Ethnicity College of Liberal Arts

278 Zoev Rosen

The Rhetorical Storm of Uncertainty in Severe Weather Communication College of Liberal Arts

279 Joanie Ryan

Fluorescent Tracking of Mycobacterial Extracellular Vesicles College of Veterinary Medicine and **Biomedical Sciences**

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Does Dapagliflozin Influence Dietary Counseling Mediated Changes in Body College of Health and Human Sciences

281 Natalia Sanchez

Comparative Pilot Study of T2D Prevention in Hispanic/Latinx Adolescents University Interdisciplinary Programs

282 Jessica Sanow

Geometric vs. Anemometric Snow Surface Roughness (z0) Shallow **Snowpack Calculations** Warner College of Natural Resources

283 Juli Scamardo

Thinking Like Beavers: Geomorphic Channel Response to Beaver Dam Analogs

Warner College of Natural Resources

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Prefrontal Cortical Regulation of Stress-Induced Cardiovascular Susceptibility College of Veterinary Medicine and **Biomedical Sciences**

Abstract Number / Presenter / Title / College

285 Bekah Schields

Archaeology Fairs: Measuring Informal Learning College of Liberal Arts

286 Lisa Schlein

Investigating the Therapeutic Potential of Parthenolide to Treat Hematopoietic Neoplasms University Interdisciplinary Programs

287 Max Schulze

Carbon Nanotube Reinforced Batteries: Towards Larger Capacities and Longer Lifetimes

College of Natural Sciences

288 Joel Schwartzkopf

Creating an Administrative Fellowship at the CSU Health Network College of Business

289 Luke Schwerdtfeger

Bacteria on Drugs: A Party in the Human Intestine College of Veterinary Medicine and

290 Platon Selemenakis

Biomedical Sciences

Interplay Between RAD51AP1 and RAD54 During Late Stages of HR University Interdisciplinary Programs

291 Kimberly Selinske

Behind the Screens: Working Women of the Walt Disney Company College of Liberal Arts

292 Nikki Seymour

The Relationship Between Magmatism and Deformation in Northern Chile Warner College of Natural Resources

293 Chen Shen

Three-Dimensional CFD Simulation of NANO Hood with Human Body Walter Scott, Jr. College of Engineering

294 Xoco Shinbrot

Unexpected Long-Term Impacts of REDD+ on Participants and Non-participants University Interdisciplinary Programs

295 Hossein Shirazi

"Kn0w Thy Domain Name": Unbiased Phishing Detection Using Domain Name College of Natural Sciences

296 Hazheen Shirnekhi

Characterizing the Role of BuGZ in Mitosis College of Natural Sciences

297 Fabiola Silva Angulo

Alternative Routes for BCG Vaccination in Murine Model College of Veterinary Medicine and Biomedical Sciences

298 Erin Slattery

Invisibility in Disability: Analysis of Multi-Disciplinary Research on Invisible Disability College of Liberal Arts

299 Brittney Sly

Empowering Rwandan Women: Participatory Evaluation Methods for Sustainable Nutrition Education College of Health and Human Sciences

300 Hillary Smith

Metabolomics of Dried Blood Spots from Malian Infants University Interdisciplinary Programs

301 Sam Smith

Designing and Testing Evaluation Tools for a School-Based Cooking Series College of Health and Human Sciences

302 Dana Sobel

Youth Engagement: Healthy Eating and Activity in Denver University Interdisciplinary Programs

303 Elizabeth Sokolowski

Resource Utilization of LGBT University Resource Center and Prospective Barriers

College of Natural Sciences

304 Claudia Solt

Mechanism of Adipose Distribution: The Role of the Estrogen Receptor College of Health and Human Sciences

305 Youngseok Song

Robust High-Dimensional Multiple Regressions with Application to Biomarker Screening College of Natural Sciences

306 Evan Sproul

The Changing Impacts of Greenhouse Gas Emissions Walter Scott, Jr. College of Engineering

307 McKay Stoker

CFD Model for an Automobile Refueling System Walter Scott, Jr. College of Engineering

308 Gavin Stonehouse

Hemp's (Cannabis Sativa L.)
Phytoremediation and Biofortification
Potential for Selenium
College of Natural Sciences

309 Emily Stuchiner

15N-Labeled Substrate Additions Illustrate Differences in Microbial N2O Production Pathways

University Interdisciplinary Programs

310 Ray Sumner

Roberts Ranch: Protecting 10,000-Years of Human History in Northern Colorado College of Liberal Arts

311 Brian Sumpter

Smart-Phone Based Assessment of Ballistic Lower Leg Movement College of Veterinary Medicine and Biomedical Sciences

312 Jiefeng Sun

An Adaptive Walking Robot with Reconfigurable Mechanisms Walter Scott, Jr. College of Engineering

313 Julianna Sun

Beta-Amyloid Induces Hyperexcitability via Disinhibition in Hippocampal Circuitry College of Veterinary Medicine and Biomedical Sciences

314 Dan Sutherland

Hemp Liquid Infused Porous Surface with Excellent Anti-Food, Anti-Icing Performance Walter Scott, Jr. College of Engineering

315 Josh Svendsen

Methylation Likely Links C. Elegans Primary and Secondary Small RNAs University Interdisciplinary Programs

316 Clayton Swanson

The Associations of Age Between Turning and Cortical Inhibition
College of Health and Human Sciences

317 Catherine Tait

Effects of Individual Variation in Cognition on Honeybee Fitness
University Interdisciplinary Programs

318 Erica Tardiff

Nobilis Aqua College of Business

319 Janee Terwoord

Novel Role of Acetylcholine in Blood Flow Regulation in Humans College of Health and Human Sciences

320 Selam Tewahade

Impact of Food-Environment Relative to Physical-Activity Environment on Adolescent Obesity University Interdisciplinary Programs

321 Jonathan Thielman

Progress Towards the Total Synthesis of Baulamycins A and B College of Natural Sciences

322 Aanand Thiyagarajan

Effect of Oxide Buffers on CdTe Solar-Cells Using First Principles Walter Scott, Jr. College of Engineering

323 Ariel Timkovich

Acupuncture Decreases Histologic Evidence of Osteoarthritis in a Rodent Model College of Veterinary Medicine and

College of Veterinary Medicine and Biomedical Sciences

324 Olivia Todd

Developing Herbicide Tolerant Sorghum Bicolor Through Chemical Mutagenesis College of Agricultural Sciences

325 Paul Todd

Kinetically-Controlled Assisted Metathesis of Metastable Yttrium Manganese Oxides College of Natural Sciences

326 Ben Trabing

Understanding Rapid Intensity Changes in Official Hurricane Forecast Error Distributions Walter Scott, Jr. College of Engineering

327 Jinn Tran

What Predicts Positive Mentorship Outcomes? College of Natural Sciences

328 Ashley Turnidge

Sex-Dependent Regulation of the Stress Response College of Veterinary Medicine and Biomedical Sciences

329 Withdrawn

330 Zack Valenti

Investigation of Proteostasis in Mice Following Treatment with a Nrf2-Activator College of Health and Human Sciences

331 Sravanthi Vallabhuneni

Superhydrophobic Coatings for Improved Performance of Electrical Insulators Walter Scott, Jr. College of Engineering

332 Cameron Van Cleave

Investigating Interactions of Short-Chain Menaquinones in Langmuir Monolayers College of Natural Sciences

333 Laura van der Pol

Drivers and Indicators of Soil Health in Semi-Arid Agroecosystems University Interdisciplinary Programs

334 Tara Van Surksum

Fundamental Investigations of Two-Way Impact on Plasma/Catalyst for Plasma-Assisted Catalysis College of Natural Sciences

335 Ana Velasquez Munoz

Mechanical Grooming Brush and Dairy Calf, Behavior and Health College of Agricultural Sciences

336 Zaria Vick

Computational Simulation Analysis of Metronidazole Pharmacokinetics and Potential Neurotoxicity Correlations College of Veterinary Medicine and Biomedical Sciences

337 Leena Vilonen

Drought Legacy Effects on Carbon and Nitrogen Cycling University Interdisciplinary Programs

338 Jessi Vlcek

Cellular Responses to Glycocalyx Mimetic Surfaces Walter Scott, Jr. College of Engineering

339 Saddam Waheed

Stochastic Weather Generator Development and Vulnerability Assessment Under Climate Variability Walter Scott, Jr. College of Engineering

340 Gemma Wallace

Addressing Methodological Limitations: Identifying Marijuana Use Predictors with Exploratory Analyses College of Natural Sciences

341 Maureen Walsh

Evaluating Age-Related Changes in Skeletal Muscle Using an Osteoarthritis Model

College of Health and Human Sciences

342 Heting Wang

Integrate User Emotion Analysis to Task-Driven Human Computer Interaction Dialogues College of Natural Sciences

343 Zhenqiang Wang

Efficient Approach for Optimal Seismic Mitigation of Large-Scale Transportation Networks

Walter Scott, Jr. College of Engineering

344 Rekha Warrier

A Land-Sharing View of Tiger (Panthera Tigris) Conservation in India University Interdisciplinary Programs

345 Miles Whedbee

From Molecules Come Behavior: How Animals Adapt to Dynamic Environments College of Natural Sciences

346 Tyler Whittier

Virtual Time-To-Contact as a Measurement of Balance for Multiple Sclerosis College of Health and Human Sciences

347 Alissa Williams

Correlated Amino Acid Substitution Rate Accelerations in Flowering Plant Genomes

University Interdisciplinary Programs

348 Robert Williams

Tissue-Specific Transcriptional Dynamics in the Developing Caenorhabditis Elegans Intestine College of Natural Sciences

349 Stewart Williams

Structural Evolution of the Potosí Uplift, Sierra Madre Oriental, Mexico Warner College of Natural Resources

350 Angela Wilson

Mobility Travel- Travel Site for Ambulatory (Mobility Related) Disability Needs College of Business

351 Robert Wimbish

How Cells Move their Chromosomes During Mitosis College of Natural Sciences

352 Lindsay Winkenbach

Functions of P Granules in the Early C. Elegans Embryo College of Natural Sciences

353 Alyssa Winter

Investigating the Phase Behavior of Block Copolymers for Energy Applications College of Natural Sciences

354 Yucong Xie

Cloning a Novel Gene Against Wheat Streak Mosaic Virus College of Agricultural Sciences

355 Pamela Yapor

Antibacterial, Biodegradable Polyesters with Potential Applications in Tissue Engineering College of Natural Sciences

356 KC Young

Advancing the Design of a Multi-Stage Anaerobic Digester Walter Scott, Jr. College of Engineering

357 Sarah Zentner

"The Grace of This Disheveled World": Flannery O'Connor's Literary Theology College of Liberal Arts

358 Haijie Zhang

Compliant Bistable Gripper for Aerial Perching and Grasping Walter Scott, Jr. College of Engineering

359 Lydia Zhang

Food Metabolomics with Rice Bran for Improving Nutrition Quality College of Veterinary Medicine and Biomedical Sciences

ABSTRACTS AND PERFORMERS BY COLLEGE

Abstract Number / Presenter		Abstract Number / Presenter		Abstract Number / Presenter		Abstract Number / Presenter	
Dorf	ormers by College	13	Tasnuva Alam	79	Reecie Dern	89	Colby Evans
Peri	ormers by College	26	Nate Bachman	87	Matt Elmer	91	Michelle Fallon
COLL	EGE OF LIBERAL ARTS	61	Caitlin Clark	88	Joy Enyinnaya	101	Kate Gloeckner
Kathe	rine Indermaur	63	Emma Clark	100	Andy Gilmore	103	Jenna Gordon
Susan	nah Lodge-Rigal	67	Jimikaye Courtney	107	Julia Greer	112	Allison Haase
Miche	lle LaCrosse	68	Kelley Covington	109	Anna Griggs	115	Derek Handwerk
Danny	/ Schonning	86	Kati Dugan	114	Alex Hajdu	120	Hannah Hausman
-	Poelking	92	Mackenzie Ferrante	118	Edwin Harris	124	Lauren Heck
	Borgard	104	Michael Graham	141	Azmal Hossan	128	Alex Hendricks
Emma Hyche		116	Moriah Hanson	153	Yani Jones	129	Hailey Hibbard
Margaret Browne		117	Priya Harindranathan	154	Sneha Kadyan	134	Kimberly Hiyoto
marge	aret Browne	131	Mary Hidde	156	Robert Kaplan	136	Matt Hogan
Rese	earch, Scholarship,	132	Jessica Hill	184	Julie Liebenguth	137	Julie Holder
	epreneurship, and	135	Savannah Hobbs	191	Nicole Lopinski	138	Hajar Homayouni
	al Arts by College	143	John Howe	192	Hannah Love	140	Chris Hosier
VISU	ial Aits by College	144	Nicholas Hulett	194	India Luxton	145	Alex Huss
	EGE OF AGRICULTURAL	149	Yuqin Jiao	208	Dillon Maxwell	146	Brandon Hylton
SCIEN	ICES	163	Adam Kinney	213	Kelton Meyer	148	Cassidy Jackson
25	Rita Azaltovic	165	Tara Klinedinst	225	Madison Myers	151	Abby Johnson
27	Sahar Bagheri Toulabi	177	Becca Lassell	237	Emily Orlikoff	152	Ashlie Johnson
31	Aeriel Belk	178	Dustin Lee	254	Brooke Phipps	157	Diptendu Kar
35	Harmonie Bettenhausen	183	Tiantian Li	265	Julia Reedy	162	Mihyun Kim
43	Raven Bough	188	Nicole Litwin	266	Brogan Resch	164	Kimberly Klas
76	Haley Davis	214	Andrew Monaghan	273	Mikaela Rodenbaugh	166	Allee Klug
173	Julie Lake	215	Patrick Monaghan	277	Xander Rorabaugh	167	Alex Koegel
198	Blessing Magonziwa	218	Marcia Moraes	278	Zoey Rosen	168	Jordan Koehn
201	Sean Markovic	232	Kayla Nuss	285	Bekah Schields	169	Gretchen Kroh
226	Afnan Shazwan	256	Elizabeth Pike	291	Kimberly Selinske	171	Adam Kuehster
004	Nasaruddin	261	Saloni Purandare	298	Erin Slattery	175	Lindsay Lammers
234	Peter Olayemi	264	Stephanie Rayburn	310	Ray Sumner	176	Ashley Larson
236	Daniel Oliver	269	Sutton Richmond	357	Sarah Zentner	187	Michael Link
243	Hugo Pantigoso Guevara	280	Shane Ryan	337	Saran Zenther	190	Katherine Lopez Ambrosio
274	Josue Rodriguez Ramos	299	Brittney Sly	COLLI	EGE OF NATURAL	199	Roberta Maia Sabino
324	Olivia Todd	301	Sam Smith	SCIEN		202	Craig Marshall
335	Ana Velasquez Munoz	304	Claudia Solt	7	Diane Aceveda	202	Matthew Marzo
354	Yucong Xie	316	Clayton Swanson	15	Mohammed Al-refai	203	Weston Maughan
COLLI	EGE OF BUSINESS	319	Janee Terwoord	18	Kaytee Ankrom	209	Blaine McCarthy
21	Addie Arnold	330	Zack Valenti	29	Katie Becker	211	Alyssa Melvin
		341	Maureen Walsh	36	Wyatt Beyers	217	Dominique Montano
147 260	Manraj Jabbal Kevin Prokop	346	Tyler Whittier	39	Tyler Biebighauser	220	Eve Mozur
288	Joel Schwartzkopf	340	Tyler Willeler	41	Jenn Bjerke	222	Stephen Mugel
318	Erica Tardiff	COLLI	EGE OF LIBERAL ARTS	44	Maggi Braasch-Turi	224	Heide Murakami
		2	Lauren Faherty	48	Zachary Butz	238	Karyn Orth
350	Angela Wilson	3	Christy Nelson	60	Charlotte Cialek	239	Katrina Oselinsky
COLLEGE OF HEALTH AND		4	Emily Sullivan	65	Victoria Combs	241	Arnold Paecklar
HUMAN SCIENCES		5	Isaac Trujillo	73	Kelsie Daigle	242	Ramesh Pandey
1	Rebecca Dias	9	Aditya Aditya	75	Marielle Darwin	244	Lara Pantlin
10	Becky Agard	24	Shadi Azadegan	78	Mortaza Derakhshani	245	Lindsey Paricio
10	Doony riguid	32	Stefanie Berganini	. 3	Molayousefi	246	Dylan Parker
			Hayley Blackburn	82	Kimberly Dolphin	270	- yran i ainei

ABSTRACTS AND PERFORMERS BY COLLEGE

Abstract Number / Presenter		Abstract Number / Presenter		Abstrac	Abstract Number / Presenter		Abstract Number / Presenter	
252	Collin Perry	248	Camron Pearce	223	Cary Mundell	125	Mohammadhasan Hedayati	
253	Grace Peterson	249	Morgan Pearson	228	Nora Jean Nealon	126	Hadi Heidari	
259	Alex Preston	258	Megan Posukonis	230	Kaila Nip	142	Guangyang Hou	
263	Ellen Ratajack	279	Joanie Ryan	235	Bella Oleksy	159	Sajjad Karimi	
268	Mj Riches	284	Derek Schaeuble	240	Paige Ostwald	160	Marissa Karpack	
270	Nada Rifai	289	Luke Schwerdtfeger	255	Dayton Pierce	170	I Ting Ku	
276	Chris Rom	297	Fabiola Silva Angulo	257	Elena Pires	182	Min Li	
287	Max Schulze	311	=	272	Katie Rocci	186	Jakob Lindaas	
295	Hossein Shirazi	313	Brian Sumpter Julianna Sun	281	Natalia Sanchez	189	Lucas Loetscher	
	Hazheen Shirnekhi		Ariel Timkovich	286	Lisa Schlein	193		
296		323					Matthew Lurtz	
303	Elizabeth Sokolowski	328	Ashley Turnidge	290	Platon Selemenakis	227	Michael Neale	
305	Youngseok Song	336	Zaria Vick	294	Xoco Shinbrot	229	Michael Nguyen-Truong	
308	Gavin Stonehouse	359	Lydia Zhang	300	Hillary Smith	233	Kate O'dell	
321	Jonathan Thielman	LIMINA	ERSITY	302	Dana Sobel	247	Ben Pawlowski	
325	Paul Todd		RDISCIPLINARY	309	Emily Stuchiner	251	Brandon Perry	
327	Jinn Tran		GRAMS	315	Josh Svendsen	262	Emily Ramnarine	
332	Cameron Van Cleave	11	Neha Ahuja	317	Catherine Tait	267	Alec Richardson	
334	Tara Van Surksum	14	Rasha Alnefaie	320	Selam Tewahade	293	Chen Shen	
340	Gemma Wallace	16	Noelia Altina	333	Laura van der Pol	306	Evan Sproul	
342	Heting Wang	20	Zeyad Arhouma	337	Leena Vilonen	307	McKay Stoker	
345	Miles Whedbee	33	Hannah Berry	344	Rekha Warrier	312	Jiefeng Sun	
348	Robert Williams	38	Tom Bickett	347	Alissa Williams	314	Dan Sutherland	
351	Robert Wimbish	50	Amanda Carlson		ED 000EE ID 0011E0E	322	Aanand Thiyagarajan	
352	Lindsay Winkenbach	54	Divya Chawla		ER SCOTT, JR. COLLEGE	326	Ben Trabing	
353	Alyssa Winter	55	Rebecca Cheek		IGINEERING	331	Sravanthi Vallabhuneni	
355	Pamela Yapor	62	Eliza Clark	12	Ali Akherati	338	Jessi Vlcek	
		69	Katie Cronise	19	Ryan Arey	339	Saddam Waheed	
	EGE OF VETERINARY	70	Erin Cubley	28	Kevin Barry	343	Zhenqiang Wang	
	MEDICINE AND BIOMEDICAL		James Curlin	30	Braden Beckstrom	356	KC Young	
SCIE	NCES	71 77	Heather Deel	34	Deniz Besiktepe Karaman	358	Haijie Zhang	
6	Evan Acerbo	81	Matthew Dilsaver	37	Vishwajeet Bhosale			
17	Kendra Andrie	90	Jemma Fadum	45	Jared Brewer		NER COLLEGE OF NATURAL	
40	Dave Bissinger	93	Katie Fialko	46	Zachary Bruick	RESO	URCES	
47	Dylan Buglewicz	96	Magda Garbowski	49	Matthew Cackovic	8	Ethan Ader	
64	Jenny Colussi	102	Ben Golas	51	Ellie Casas	22	David Atkins	
74	Caitlin Daimon	102	Robert Griffin-Nolan	52	Ting Cha	53	Aung Chan	
83	Rachel Doser	111	Carolina Gutierrez	56	Peter Chen	94	Alison Foster	
84	Enrique Doster		Nathan Hahn	57	Ming-Hao Cheng	121	David Heath	
97	Christina Geldert	113		58	Shiva Chenna	133	Sarah Hinshaw	
98	Hanah Georges	122	Adam Heck	59	Benjamin Choat	197	Brianna Magbual	
105	Lyndsey Gray	123	Garrett Heck	66	Edson Costa Filho	200	Andrew Mann	
127	Natascha Heise	139	Shabana Hoosein	72	Alden Curtis	207	Skyler Mavor	
130	Jasmin Hicks	150	Miguel Jimenez	80	Katie DeRose	221	Rebecca Much	
155	Fahima Kamal	172	Grace Kuiper	85	Erin Dougherty	231	Aleks Novak	
161	Emily Kastendieck	181	Sarah Leichty	95	Sean Freeman	275	Marina Rodriguez	
174	Steven Lakin	185	Dani Lin Hunter	99	Mahshid Ghanbari	282	Jessica Sanow	
180	Ashley Leek	195	Jared Luxton	106	Jonah Greene	283	Juli Scamardo	
206	Emily Maverick	196	Erin Lynch	110	Faith Groff	292	Nikki Seymour	
212	Marissa Metz	205	Alex Mauro	119	Emad Hassan	349	Stewart Williams	
		216	Nichole Monhait					

CELEBRATING RESEARCH AND CREATIVITY GRADUATE STUDENT SHOWCASE

NOVEMBER 13, 2018

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 Meditation: A Full Life

2:00 p.m. - 3:15 p.m. 386 LSC Meal Prep on a Grad Student Budget: How to Eat Healthy and

Efficiently While in Grad School

2:45 p.m. - 4:00 p.m. 382 LSC How Did You Get There?: Discussion Panel on Career Paths

3:15 p.m. - 4:30 p.m. 386 LSC Adult Life Prep: Resume Workshop for Making You Look Your Best

Presented by the Graduate Student Council

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

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