

# 2023 Spring Symposium Schedule

<b>Tuesday   April 25</b>	
<b>10:00 am - 10:30 am</b>	Breakfast and chat with the OUR advisory board, partners, students, and employers
<b>10:30 am - 11:15 am</b>	Oral Session 1 (O1)
<b>11:30 am - 12:30 pm</b>	Poster Session 1 (P1)
<b>12:30 pm - 1:00 pm</b>	Lunch Break
<b>1:00 pm - 1:45 pm</b>	Oral Session 2 (O2)
<b>2:00 pm - 2:45 pm</b>	Oral Session 3 (O3)
<b>2:45 pm - 3:00 pm</b>	Closing Remarks

<b>Wednesday   April 26</b>	
<b>10:00 am - 10:30 am</b>	Breakfast and chat with the OUR advisory board, partners, students, and employers
<b>10:45 am - 11:45 am</b>	Poster Session 2 (P2)
<b>11:45 am - 12:00 pm</b>	Michael Dickey Outstanding Research Mentor Award Presentation
<b>12:00 pm - 12:30 pm</b>	Lunch Break
<b>12:30 pm - 1:30 pm</b>	Poster Session 3 (P3)
<b>1:45 pm - 2:45 pm</b>	Poster Session 4 (P4)
<b>2:45 pm - 3:00 pm</b>	Closing Remarks

Presenter Index  
(Alphabetically by Last Name)

Lead Presenter	Co-Presenters	Session	Room/Poster	Mentor(s)	Project Title
Sofia Abello (College of Engineering)		P2	1	Dr. Januka Budhathoki-Uprety (Wilson College of Textiles)	Polymer modifications to optimize nanosensor output for analyte detection
Sabah Afroz (College of Engineering)		P2	2	Professor Mary Estrada (College of Humanities and Social Sciences)	Virtual Reality In Mental Health
Mary Aiesi (College of Sciences)		P2	3	Dr. E. Javier Lopez Soto (College of Veterinary Medicine)	PRESTO-Tango assay for the detection of pain signaling neuropeptides
Sydney Andersen (College of Sciences)	Lauren Rogers (College of Sciences)	P3	1	Dr. Jim Martin (College of Sciences)	Unraveling the Mechanisms of Solution Crystal Growth: Insights from ZnCl <sub>2</sub> · R H <sub>2</sub> O System
Emanuel Aponte (College of Engineering)		P2	4	Dr. Praveen Kolar (College of Engineering)	Effects of Biochar on Catalytic Treatment of Graywater
Maddy Arena (College of Sciences)		P1	1	Dr. Reade Roberts (College of Sciences)	Investigating the link between neuronal conserved non-coding element variance and habitat preference in Lake Malawi cichlids
Maddy Arena (College of Sciences)		P2	5	Dr. Ryan Paerl (College of Sciences)	Examining the chemotactic responses of marine bacteria to vitamin B1 and its vitamers
R.B. Armstrong (College of Natural Resources)		P1	2	Dr. Erin McKenney (College of Agriculture and Life Sciences)	Traditional Ecological Knowledge and what we can learn from it

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Keegan Bader (College of Engineering)		P4	1	Dr. Richard Spontak (College of Engineering) Mr. Julio Teran (Wilson College of Textiles)	The Influence of Macromolecular Architecture on the Surface Properties of Linear Copolyesters
Ray Baek (College of Agriculture and Life Sciences)	Lanvy Lutz (College of Agriculture and Life Sciences) Khalid Tejan-Sie (College of Agriculture and Life Sciences)	P4	2	Mr. Henry Havey (Ajinomoto North America) Dr. Fernanda Santos (College of Agriculture and Life Sciences) Ms. Megan Watson (College of Agriculture and Life Sciences)	Use of Cold-Water Low-Bloom Fish Gelatin in Food Product Development
Sydney Baker (College of Agriculture and Life Sciences)	Alex Kay (College of Agriculture and Life Sciences) Breana Lavallee (College of Agriculture and Life Sciences) Laura Radford (College of Agriculture and Life Sciences) Will Adams (College of Agriculture and Life Sciences)	P1	3	Dr. Fernanda Santos (College of Agriculture and Life Sciences) Ms. Ashley Gernat (College of Agriculture and Life Sciences)	Effectivity of Peanut Skins As An Alternative Antimicrobial Against Foodborne Pathogens
Elias Balderrama (College of Engineering)		P4	3	Dr. Katherine Saul (College of Engineering) Ms. Morgan Dalman (College of Engineering)	Creating Scalable Anthropometric Models of the Upper Arm for Medical Applications
Olivia Ball (College of Humanities and Social Sciences)		P4	4	Dr. Virginia Riel (College of Humanities and Social Sciences)	Navigating Student Housing: A Comparison of PWI and HBCU Students

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Abigail Barfield (College of Humanities and Social Sciences)		O1	3221	Dr. Joseph Brazel (Poole College of Management)	Anxiety in the University
Gaven Bell (College of Sciences)		O3	3285	Dr. Elizabeth Lucas Mentor is not employed by NC State Ms. Kristen Adcock Binion (College of Veterinary Medicine) Dr. Nina Baumgartner (University of Alabama at Birmingham)	Estrous cycle regulation of amygdala activation following threat conditioning in C57Bl/6j mice
Gaven Bell (College of Sciences)		O2	3222	Ms. Mia Self (University College)	Staged Science: How I used research to bridge theatre and science
Kathryn Benedict (College of Engineering)		P2	6	Dr. Jacqueline Cole (College of Engineering) Ms. Sandra Stangeland-Molo (College of Engineering)	Characterization of Porous, Mineralized Collagen-Chitosan Scaffolds for use in a Bone-On- Chip Platform
Molly Bennett (College of Agriculture and Life Sciences)	Ananya Badhri (College of Agriculture and Life Sciences) Hannah Polizzi (College of Agriculture and Life Sciences)	P2	7	Homayoon Ershadi Mentor is not employed by NC State Dr. Fernanda Santos (College of Agriculture and Life Sciences)	Color Change of a Cucumber- Mint Beverage
Andrew Berley (College of Engineering)		P2	8	Dr. Hsuan Chen (College of Agriculture and Life Sciences)	Chromosome Doubling Trials of Albizia

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Perry Berlin (College of Agriculture and Life Sciences)		P4	5	Dr. Joe Sagues (College of Agriculture and Life Sciences) Mr. Ethan Woods (College of Engineering)	Composting Coupled with Gaseous CO2 Capture
Thomas Bernabe-Bacilio (College of Engineering)		P2	9	Dr. Edgar Lobaton (College of Engineering) Jeffrey Barahona (College of Engineering)	ARoS Clinical Data Server Project
Zachary Bevans (College of Engineering)	Jesse Hines (College of Engineering)	P2	10	Dr. Maria Avramova (College of Engineering) Dr. Kostadin Ivanov (College of Engineering)	Fuel Management and Reload Cycle Length Optimization for a Westinghouse 2-Loop PWR
Shamik Bhattacharya (College of Natural Resources)		P2	11	Dr. Forrest M. Hoffman (Oak Ridge National Laboratory) Dr. Bharat Sharma (Oak Ridge National Laboratory) Dr. Gaurab KC (Oak Ridge National Laboratory) Dr. Nathan Collier (Oak Ridge National Laboratory) Dr. Min Xu (Oak Ridge National Laboratory) Dr. Michael Kelleher (Oak Ridge National Laboratory)	Using Statistical Learning Methods to Accelerate Model Parameter Sensitivity Experiments

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Jordan Birkner (College of Humanities and Social Sciences)		O3	3221	Dr. Gary Comstock (College of Humanities and Social Sciences)	Moral Enhancement Technologies and ASD: Ethical Gentrification of a Population
Priscilla Boaheng (College of Humanities and Social Sciences)		O1	3210	Dr. Vanessa Volpe (College of Humanities and Social Sciences)	Generational Status in Black Immigrants and Its Relationship to Emotional Eating
Marina Botros (College of Agriculture and Life Sciences)		P1	4	Dr. Trino Ascencio-Ibáñez (College of Agriculture and Life Sciences)	Geminiviral DNA Analyzed Through Two-Dimensional Gel Electrophoresis
Noah Bowman (College of Engineering)		P3	2	Dr. Brandon McConnell (College of Engineering)	NFTs for Trustless Donations
Angel Boyette (College of Engineering)		P3	3	Dr. Michael Dickey (College of Engineering)	Fabrication and Application of Hydrogel Fibers Containing EGaIn Liquid Metal Microdroplets
Hannah Braun (College of Humanities and Social Sciences)		P3	4	Dr. Steven Greene (College of Humanities and Social Sciences)	The Impact of a Social Media Stimulus on Electoral Reform Attitudes
Austin Bridger (College of Sciences)	Tyson King (College of Sciences) Silas Huckins (College of Sciences)	P2	12	Dr. Emily Griffith (College of Sciences) Dr. Stephany Dunstan (College of Sciences)	Examining the effect of an academic intervention on graduation rate
Scott Brueshaber (College of Sciences)		P4	6	Dr. Jenny Campbell (College of Sciences)	Investigating the Effects of Physical Contact in Animal Ambassador Programs on Visitors' Perceptions of Ambassador Animal Well-Being
Anh Bui (Wilson College of Textiles)		P4	7	Dr. Xiaomeng Fang (Wilson College of Textiles)	Lightweight Paper Origami Robot Driven by Pneumatic Fiber Actuators

Lead Presenter	Co-Presenters	Session	Room/Poster	Mentor(s)	Project Title
Tiara Caldwell (College of Humanities and Social Sciences)		O1	3210	Dr. Michaela DeSoucey (College of Humanities and Social Sciences)	The Black Male Experience and Toxic Masculinity in the Black Community: Testimonies from The Black Man
Duru Caner (College of Engineering)		P3	5	Professor Mary Estrada (College of Humanities and Social Sciences)	How Does Culture And Major Alter How We Think About Colors?
Brenna Carter (College of Agriculture and Life Sciences)	Austin Wolf (College of Natural Resources)	P3	6	Dr. Erin McKenney (College of Agriculture and Life Sciences)	Feral Hog Impacts in the US
Caleb Carwell (College of Humanities and Social Sciences)		P3	7	Dr. Chris Mayhorn (College of Humanities and Social Sciences)	Investigating the Effects of the Word Repetition Exercise on Inhibition and Switching Efficiency
Alexia Cash (College of Engineering)		O1	3222	Dr. Mike Sano (College of Engineering) Mr. Robert Williamson (College of Engineering)	Optimization of CRISPR Cas 9 Delivery Using Electroporation
Sahib Chandi (College of Agriculture and Life Sciences)		P4	8	Dr. Carly Sjogren (College of Sciences)	Utilizing RNA-Sequencing Technology to Identify Gene Networks Responsible for Over-Proliferative Traits in Glycine max
Ryan Charrette (College of Engineering)	Harrison Storms (College of Engineering) Declan Miller (College of Engineering) Madison Turmon (College of Engineering)	P2	13	Dr. Alexander Bataller (College of Engineering)	Application of Tuning Forks in Measuring Viscosity and Density of Molten Salt Systems

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Nitin Chitralla (College of Engineering)		O2	3210	Dr. Ashok Gopalarathnam (College of Engineering) Mr. Yi Tsung Lee (College of Engineering)	Effect of Gust and Pitch on an Airfoil Lift Studied Using a Discrete Vortex Simulation
Ben Cipriano (College of Sciences)		O3	3285	Dr. Joshua Pierce (College of Sciences) Mr. Alejandro Valdes Pena (College of Sciences)	Facile Synthesis of 1,4,2-Oxothiazols via MnO <sub>2</sub> Cyclization
Rex Colvard (College of Engineering)		P3	8	Dr. Michael Dickey (College of Engineering) Mr. Zach Park (College of Engineering) Dr. Peter Fedkiw (College of Engineering)	Self-Healing Liquid Metal Lithium-Ion Battery
Christina Conrad (College of Natural Resources)	Bridget Monahan (College of Sciences) George Tyler Jr. (College of Agriculture and Life Sciences)	P4	9	Dr. Carlos Goller (College of Sciences) Dr. Mahmoud Sharara (College of Agriculture and Life Sciences) Piyush Patil (College of Agriculture and Life Sciences)	Greenhouse gas reduction in composting and impacts on microbial communities
Tori Crunkleton (College of Engineering)		P1	5	Dr. Ramón Collazo (College of Engineering) Dr. Will Mecouch (Adroit Materials) Dr. Ronny Kirste (College of Engineering)	Depositing Oxides in an RF Sputter System to Fabricate a Distributed Bragg Reflector Mirror for UV Lasers



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Caitlyn Cuddy (College of Agriculture and Life Sciences)		O1	3285	Dr. Shannon Pratt-Phillips (College of Agriculture and Life Sciences)	Horse owner's survey regarding equine feeding management post colic surgery
Gabrielle Cummings (College of Agriculture and Life Sciences)		P1	6	Dr. Charlotte Meli (College of Agriculture and Life Sciences)	Farm/Ambassador Internship Program at Riverbanks Zoo and Garden
Erica Curran (College of Sciences)	Atli Davidsson (College of Sciences)	P1	7	Dr. Thomas Theis (College of Sciences) Mr. Keilian MacCulloch (College of Sciences)	Pyruvate Hyperpolarization in Biocompatible Solvents through Signal Amplification by Reversible Exchange
Ari D'Alessandro (College of Humanities and Social Sciences)		P2	14	Dr. Veljko Dubljevic (College of Humanities and Social Sciences) Mr. Ronald Dempsey (College of Humanities and Social Sciences)	Repetitive Transcranial Magnetic Stimulation and Its Efficacy in Treating Major Depressive Disorder: A Scoping Review
Chloe Dalton (College of Agriculture and Life Sciences)		P1	8	Dr. Trino Ascencio-Ibáñez (College of Agriculture and Life Sciences)	The Isolation and Up-Scale of Collagen via Cell Agriculture
Sara Dawson (College of Agriculture and Life Sciences)	Gabriel Chapman (College of Natural Resources)	P3	9	Dr. Erin McKenney (College of Agriculture and Life Sciences)	Reinstating Controlled Burns
Abigail Dayton (College of Natural Resources)		P3	10	Dr. Karl Wegmann (College of Sciences)	Identifying Landslide Hazards to the Pacific Northwest Regional Power Grid
Atharv Dixit (College of Engineering)		P2	15	Dr. Praveen Kolar (College of Engineering)	Innovation in Medicine through Sustainability in Biotechnology: Synthesis of a Biochar-based Magnetic Core Shell Nanoprobe

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Sarah Do (Wilson College of Textiles)		P1	9	Dr. Anne Porterfield (Wilson College of Textiles) Ms. Janie Woodbridge (Wilson College of Textiles)	Computer Aided Designs and Zero Waste
Sam Doak (College of Engineering)		P2	16	Dr. Stefanie Chen (College of Sciences)	Binding Interactions of E. coli DNA Repair Protein RadD
Nishant Dodla (College of Sciences)	Tyler Southward (College of Sciences) Jenna Christensen (College of Sciences)	P2	17	Dr. Emily Griffith (College of Sciences) Dr. Stephany Dunstan (College of Sciences)	The Impact of Student Success Programs on Transfer Rates between Colleges
Daniela Duker (College of Sciences)		P3	11	Dr. Erin Krupa (College of Education)	As a Research Assistant I Have Much to Offer and Much to Gain
Jack Dunham (College of Engineering)		P4	10	Dr. Matthew Bryant (College of Engineering) Mr. Michael Hughes (College of Engineering)	Preliminary Study on the Wake of a Triangular Cylinder Bluff Bodies
Brooke Dunkley (College of Engineering)		P2	18	Dr. Jacqueline Cole (College of Engineering) Dr. Katherine R. Saul (College of Engineering) Ms. Kayla B. Bosh (College of Engineering)	Effects of Brachial Plexus Birth Injury on Composition of Biceps, Supraspinatus, & Subscapularis Muscles

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Mindy Dunn (College of Natural Resources)	Drew Bresingham (College of Natural Resources) Luke Goodin (College of Natural Resources) Darius Ledbetter (College of Natural Resources)	P2	19	Dr. Elizabeth Guthrie Nichols (College of Natural Resources)	CAFO Lagoon Breach Impact On Nutrients and Metals in Soils
Jamie Earley (College of Sciences)		P4	11	Dr. Carlos Goller (College of Sciences)	<i>Delftia</i> and <i>Comamonas</i> Bacteria: Opportunistic Pathogens and Antibiotic Resistance
Margaret Ann Edel (College of Agriculture and Life Sciences)	Lexi Roof (College of Agriculture and Life Sciences) Jess Schinsky (College of Agriculture and Life Sciences) Alana Boone (College of Agriculture and Life Sciences)	P4	66	Dr. Marnie Metzler (College of Veterinary Medicine) Dr. Shweta Trivedi (College of Agriculture and Life Sciences) Dr. Jenny Estes (College of Veterinary Medicine)	Interpretation and Validation of Ethogram Behaviors in Research Canines
Adam Ehmke (College of Sciences)	Rebecca Olson (College of Sciences) Tiffany Brocco (College of Sciences)	P2	20	Dr. Lisa Paciulli (College of Sciences) Mr. David Q. Watts (Federal Law Enforcement Training Centers)	Enclosure usage of a captive postpartum mother aye-aye lemur ( <i>Daubentonia madagascariensis</i> )
Kathryn Eller (College of Natural Resources)		P4	12	Dr. Carli Arendt (College of Sciences)	Investigating trace metal concentrations in saltwater samples from coastal North Carolina.

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Cecille Ernst (College of Natural Resources)	Nick Cruz (College of Natural Resources) Michely Coimbra (College of Natural Resources)	P1	11	Dr. Erin McKenney (College of Agriculture and Life Sciences)	Coral Reefs – The “World’s Lungs” Rehabilitation and Restoration
Isabella Evans (College of Humanities and Social Sciences)		P1	12	Dr. Jing Feng (College of Humanities and Social Sciences) Michael Wilkinson (College of Humanities and Social Sciences)	User's Acceptance of Transitions in Virtual Reality
Ayden Ferrell (College of Engineering)		P1	13	Dr. Trino Ascencio-Ibáñez (College of Agriculture and Life Sciences)	Methods for Reorganizing the Flows and Patterns in a Research Lab
Macy Ferrell (College of Humanities and Social Sciences)		P2	21	Dr. Veljko Dubljevic (College of Humanities and Social Sciences)	Ethical Issues Pertaining to Neuromarketing Research
Sarah Fletcher (College of Sciences)		P1	14	Dr. John Meitzen (College of Sciences)	Medium spiny neuron electrophysiological properties differ by region, sex, and developmental period: excitability is increased in early development.
Jessika Foland (College of Humanities and Social Sciences)		P3	12	Dr. Seth Kullman (College of Sciences)	The Effect of TPhP Exposure on Caudal Fin Regeneration in the Medaka ( <i>Oryzias latipes</i> )
Ariana Frazier (College of Humanities and Social Sciences)		P4	13	Dr. Kanton Reynolds (College of Engineering)	The Ebony Metamorphosis: Understanding Nigrescence and Black Racial Consciousness
Daniel Friday (College of Engineering)		P3	13	Dr. Joel Ducoste (College of Engineering)	Analysis of Grease Interceptor Design to Maximize Oil Separation: Impact of Coalescence Mechanism

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Rishika Gaddam (College of Sciences)		P3	14	Dr. Claire Gordy (College of Sciences)	An Analysis of Tactile Teaching Tool's effects on GN 312 Students' Understanding of Illumina Sequencing
Alex Gaines (College of Agriculture and Life Sciences)		P3	15	Dr. Justin Whitehill (College of Natural Resources) Mr. Yannick Farve (College of Natural Resources) Ms. Angela Chiang (College of Natural Resources)	Developing Bioluminescent Fraser Fir Christmas Trees: A Proof of Concept
Meredythe Galliher (College of Humanities and Social Sciences)		P4	14	Dr. Jocelyn Taliaferro (College of Humanities and Social Sciences)	Black Women's Mental Health Study: Question 89
Thusna Gardiyehewa (College of Sciences)		P1	15	Dr. Michael Sikes (College of Sciences) Ms. Lisa Metzger (College of Sciences)	The Role of USF1 in Lymphocyte Responses to Double-Stranded DNA Breaks
Bridget Gigliotti (College of Sciences)		P4	15	Dr. Carlos Goller (College of Sciences)	Digital PCR for the Detection of Antibiotic Resistance Genes in Compost
Cameron Gilbert (College of Sciences)		P4	16	Dr. Markus Petters (College of Sciences) Mr. Sunandan Mahant (College of Sciences)	Characterization and Application of an Ice Nucleating Cold Stage
Justin Gilleland (College of Agriculture and Life Sciences)		P3	16	Dr. Deepti Salvi (College of Agriculture and Life Sciences) Ms. Urvi Shah (College of Agriculture and Life Sciences)	Evaluate various stages of inoculation on shell eggs and role of plasma technology in shell egg surface sanitization

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Chloe Glynn (College of Sciences)		P3	17	Dr. Lisa Paciulli (College of Sciences) Ms. Rebecca Olson (College of Sciences) Mr. Adam Ehmke (College of Sciences) Ms. Allie Monahan (College of Sciences) Mr. David Q. Watts (Federal Law Enforcement Training Centers)	Working on the Paciulli Lab Mother Aye-Aye Lemur ( <i>Daubentonia madagascariensis</i> ) Anxiety Project
Ariel Gomez Arellano (College of Engineering)		P2	22	Dr. Januka Budhathoki-Uprety (Wilson College of Textiles) Ms. Meghan Lord (Wilson College of Textiles)	Effect of dyes on polymer properties
Angelina Gonzalez (College of Sciences)	Bailee Porter (College of Sciences)& (College of Humanities and Social Sciences)	P1	16	Dr. Astrid Schnetzer (College of Sciences)	Analysis of Microplankton Community Composition in Bogue Sound, North Carolina
Hallie Gooch (College of Sciences)		P4	18	Dr. Lisa Paciulli (College of Sciences)	The behavior of ring-tailed lemur ( <i>Lemur catta</i> ) mothers toward male offspring
Nick Goodwin (College of Engineering)		O2	3210	Dr. Olgha Qaqish (College of Engineering)	Systematic Literature Review of Community of Practice, Engineering Identity, and Research Self-Efficacy
Reshma Goud (College of Agriculture and Life Sciences)		P1	17	Dr. Trino Ascencio- Ibáñez (College of Agriculture and Life Sciences)	Standard Curve Implementation to Estimate Viral Loads of Geminivirus Infectious Clones <i>Pepper Huasteco Yellow Vein Virus (PHYVV)</i> and <i>Pepper Golden Mosaic Virus (PepGMV)</i> in Tomato Lanai and Pepper.

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Caroline Grant (College of Humanities and Social Sciences)	Brooke Wilson (College of Humanities and Social Sciences) Ambrose McNally (College of Humanities and Social Sciences)	P3	19	Dr. Kelly Mulvey (College of Humanities and Social Sciences) Ms. Jackie Cerda-Smith (College of Humanities and Social Sciences)	Stamped Intervention: Impacts on Student and Teacher Critical Reflection
Maddie Greenway (College of Sciences)		P3	20	Dr. Lisa Paciulli (College of Sciences)	Coquerel's Sifaka ( <i>Propithecus coquereli</i> ) mothers' behavior toward female offspring as they mature
Will Gunther (College of Natural Resources)	Sydney Pollock (College of Natural Resources)	P1	18	Dr. Erin McKenney (College of Agriculture and Life Sciences)	Soil Health and Management
Ebernoe Guzman-Bonilla (College of Humanities and Social Sciences)	Imani Bynum (College of Humanities and Social Sciences)	P3	21	Dr. Anne McLaughlin (College of Humanities and Social Sciences) Ms. Imani Murph (College of Humanities and Social Sciences)	Diminished Reality and Training: A Pilot Study
Suzannah Hale (College of Agriculture and Life Sciences)	Ainsley Deese (College of Natural Resources)	P1	19	Dr. Erin McKenney (College of Agriculture and Life Sciences)	Environmental Impacts of Urbanization
Terry Han (College of Engineering)		P3	22	Dr. Brian Diekman (College of Engineering) Dr. Wubin Bai (University of North Carolina at Chapel Hill)	Multilayer Biomimetic Electronic Skin for Active Wound Healing

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Asher Hancock (College of Engineering)		P4	17	Dr. David Zaharoff (College of Engineering) Ms. Siena Mantooth (College of Engineering)	Development of an injectable hydrogel for local delivery of CAR-T cell therapy
Rose Hansen (College of Engineering)		P2	23	Dr. Jacqueline Cole (College of Engineering) Dr. Katherine Saul (College of Engineering) Mr. Jason Cox (College of Engineering)	Verifying Quality of Joint Reaction Forces Obtained from Musculoskeletal Models for Contact Finite Element Analysis of the Rat Shoulder Following BPBI
Manuella Harb (College of Engineering)		P4	18	Dr. Kimberly Nellenbach (College of Engineering)	Analysis of Synthetic Platelets Containing Fibrin Knob Peptides for Wound Healing
Skylar Harrelson (College of Agriculture and Life Sciences)	Kourosh Salamati (College of Agriculture and Life Sciences)	P1	20	Dr. Trino Ascencio-Ibáñez (College of Agriculture and Life Sciences)	Testing a Battery of Small Molecules with Putative Binding to a Viral Protein Necessary for Viral Replication
Siham Hashi (College of Humanities and Social Sciences)		P4	19	Dr. Kristen Alff (College of Humanities and Social Sciences)	Reagan is it the Hostages or the Soviet Union?
Emily Haupt (College of Agriculture and Life Sciences)		P1	21	Dr. Shweta Trivedi (College of Agriculture and Life Sciences) Dr. Dan Dombrowski (North Carolina Museum of Natural Sciences) Mr. Shane Christian (North Carolina Museum of Natural Sciences)	Participant Evaluation of the Ten years of VetPAC Museum Medicine Internship



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Grace Herring (College of Agriculture and Life Sciences)		P2	24	Dr. Marcela Rojas-Pierce (College of Agriculture and Life Sciences) Ms. Anne-Marie Pullen (College of Agriculture and Life Sciences)	Understanding the Mechanism of the HOPS Complex During Vacuole Fusion in Stomatal Guard Cells
Taylor Hildreth (College of Engineering)		P4	20	Dr. Katherine Saul (College of Engineering) Ms. Morgan Dalman (College of Engineering)	Data Collection of Isometric Upper Limb and Functional Tasks Movements for the Development and Use of Musculoskeletal Models
Ransom Hill (College of Sciences)		P2	25	Dr. Yi Xiao (College of Sciences) Mr. Juan Cannora (College of Sciences) Mr. Obtin Alkhamis (College of Sciences)	High-Throughput Characterization of Aptamers for Cocaine Detection
Chloe Hincer (College of Engineering)		P4	21	Dr. Lauren Schnabel (College of Veterinary Medicine) Dr. Kimberly Young (College of Veterinary Medicine)	Comparison of multiple routes of administration of bone marrow-derived equine mesenchymal stem cells for ophthalmologic applications
Emily Hitesman (College of Sciences)		P4	22	Dr. Elsa Youngsteadt (College of Agriculture and Life Sciences)	Does Bee Heat Tolerance Depend on Body Size?
Samuel Holdsclaw (College of Sciences)	Trevor Phelps (College of Natural Resources)	P2	26	Dr. Dani Lin Hunter (College of Natural Resources) Dr. Caren Cooper (College of Natural Resources)	Lead Contamination Risk Across Regions of North Carolina

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Daija Holliday (College of Humanities and Social Sciences)		P4	23	Dr. Vanessa Volpe (College of Humanities and Social Sciences)	Understanding Black Emerging Adults Purpose for Twitter Usage with Qualitative Methods Approach
Mason Hooks (College of Engineering)	Jeffrey Whitenack (College of Engineering)	P3	23	Dr. Kenneth Granlund (College of Engineering)	Utilizing a Water Table for the Analysis of Compressible, Supersonic Flow
Stewart Hopper (College of Sciences)		P1	22	Dr. Michael Taveirne (College of Sciences)	Isolating and Identifying Antimicrobial Producing Bacteria from Soil on NC State's Main Campus
Olivia Howell (College of Humanities and Social Sciences)		O2	3222	Dr. Christian Doll (College of Humanities and Social Sciences)	Creativity: Toward a Steadily Formed Young-Adult Identity
Amy Hu (College of Humanities and Social Sciences)	Isra Siddiqui (College of Humanities and Social Sciences)	O2	3221	Dr. Amy Halberstadt (College of Humanities and Social Sciences) Ms. Xi Liu (College of Humanities and Social Sciences)	Exploring the Cultural Differences in Respect Conditionality: A Comparison between US Mainstream and Chinese Culture
Jenny Huang (College of Humanities and Social Sciences)	Karina Seebaluck (College of Humanities and Social Sciences) Summer Phommachieng (College of Humanities and Social Sciences)	O2	3221	Dr. Amy Halberstadt (College of Humanities and Social Sciences) Ms. Xi Liu (College of Humanities and Social Sciences)	Context Matters: Respect Concepts are Embedded within Culture and Close Relationships
Andrew Igdal (College of Sciences)		O3	3285	Dr. Daniel Dougherty (College of Sciences)	Intercalation of Tetramethylammonium Bromide into Chromium Chloride: An Investigation of Electronic Property Modification

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Kristina Jones (College of Agriculture and Life Sciences)		P1	23	Dr. Mahmoud Sharara (College of Agriculture and Life Sciences)	A Modified Method for Spectrophotometric Quantification of Poultry Litter Hydrogen Sulfide Emissions
Alina Jugan (College of Engineering)		P2	27	Dr. Alexander Bataller (College of Engineering)	Material Quantification of Molten Salts via Glow Discharge Electrolysis
Karen Kaiser (College of Sciences)		P4	25	Dr. Jennifer Baltzegar (College of Sciences)	Examining the Impacts of <i>Ae. aegypti</i> and <i>Ae. albopictus</i> on Public Health
Sreya Kanamurlapudi (College of Engineering)		P1	24	Dr. Michael Gamcsik (College of Engineering)	Comparative study of Buthionine Sulfoximine Treatment in aggressive versus nonaggressive cancer lines
Sky Kanoy (College of Engineering)		P3	24	Dr. Martin Thuo (College of Engineering)	Mapping sources of Variations in Charge Tunneling Using Meta Data
Maria Kanton (University College - DASA)		P2	28	Dr. Jillian Perry (University of North Carolina at Chapel Hill) Dr. Shaomin Tian (University of North Carolina at Chapel Hill)	In Situ Detection of Virus-Specific Immunity in the Skin Using 3D-Printed Microneedle Patches
Marina Kapitanov (College of Engineering)		P1	25	Dr. Donald Freytes (College of Engineering) Dr. Andreea Biehl (College of Engineering)	Microtissue Contraction of Human Mesenchymal Stem Cells in Extracellular Matrix Hydrogels Derived from Respiratory Tissues
Victoria Kapps (College of Sciences)		P2	29	Dr. Kurt Marsden (College of Sciences) Ms. Melody Hancock (College of Sciences)	Effects of Developmental Exposure to BMAA and MCLR on Adult Zebrafish

Lead Presenter	Co-Presenters	Session	Room/Poster	Mentor(s)	Project Title
Caleb Keaveney (College of Sciences)		P1	26	Dr. Gary Lackmann (College of Sciences)	Modeling the Dynamics and Evolution of Jupiter's Great Red Spot
Erimi Kendrick (College of Natural Resources)		P4	26	Dr. Elizabeth Nichols (College of Natural Resources)	The Importance of Field Safety Information in Universities
Coley Kida (College of Sciences)		O2	3285	Dr. Catherine Showalter (University College - DASA) Dr. Holly Hurlburt (University College - DASA)	Breast Cancer Treatment Accessibility: Making a Decision
Mia Kidwell (College of Sciences)		P1	27	Dr. Christopher Guilluy (College of Veterinary Medicine) Dr. Elizabeth Benson (College of Veterinary Medicine)	Loss of GEF Ect2 and GTPase RhoA Inhibits Cell Cycle Progression through G1/S
Jean Kim (College of Sciences)		P4	28	Dr. Catherine Hoyo (College of Sciences) Ms. Bess Smith (College of Sciences)	Demographic Analysis of Ethnicities and Rate of Completion of Biological Samples in a Large-Scale Research Study (STRIVE)
Hillary Kim (College of Sciences)		P4	27	Dr. Linda Hanley Bowdoin (College of Agriculture and Life Sciences) Ms. Mary M. Dallas (College of Agriculture and Life Sciences)	Cassava Mosaic Disease
Claire Kim (College of Sciences)		P2	30	Dr. Mike Sano (College of Engineering) Mr. Robert Williamson (College of Engineering)	Reversible Electroporation for Treatment of Tumor Cells

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Katy Klein (College of Agriculture and Life Sciences)		P1	29	Dr. Guozhou Xu (College of Agriculture and Life Sciences)	Designing Immunosuppressive Peptides to Inhibit I $\kappa$ B Kinase Activation
Tyler Knapp (College of Sciences)	Elena Shippman (College of Sciences)	P2	31	Dr. James Martin (College of Sciences)	Development of a Crystal Nucleation Model using Oligoacenes
Amanda Knizley (College of Engineering)		P1	28	Dr. Jacqueline Cole (College of Engineering) Ms. Sandra Stangeland-Molo (College of Engineering)	Characterizing Architecture of a Biomimetic Bone Scaffold
Robert Kobrin (College of Engineering)		O1	3222	Dr. David Zaharoff (College of Engineering) Ms. Siena Mantooth (College of Engineering)	Chitosan-Glycerol Injectable Hydrogel for Intratumoral Delivery of Immunotherapeutics
Seth Kodikara (College of Engineering)		P1	29	Dr. Albert Keung (College of Engineering) Dr. Balaji Rao (College of Engineering) Ms. Alison Waldman (College of Engineering)	Mapping the Specificity of the p300 Acetyltransferase to H3 and H4 Histone Variants
Seth Kodikara (College of Engineering)		P2	32	Dr. Veljko Dubljevic (College of Humanities and Social Sciences) Mr. Steven Peppers (College of Humanities and Social Sciences)	A Rapid Review of the Cognitive Enhancing Capacity of Guanfacine

Lead Presenter	Co-Presenters	Session	Room/Poster	Mentor(s)	Project Title
Viosa Koliqi (College of Sciences)		P3	25	Dr. Daniel Gruehn (College of Humanities and Social Sciences)	Relationship between Reading and Loneliness
Sophie Korenek (College of Agriculture and Life Sciences)		P3	26	Melanie Korenek (College of Agriculture and Life Sciences) Dr. Brenna Zimmer (College of Agriculture and Life Sciences) Ms. Linlin Ma (College of Agriculture and Life Sciences)	Characterizing the Role of The AGC Kinase RPS6KA2 in Castration-Resistant Prostate Cancer
Ruth Kraus (College of Humanities and Social Sciences)		P4	30	Dr. Lynne Baker-Ward (College of Humanities and Social Sciences)	Effect of Simultaneous Music Presentation on Preschool Children's Executive Function Performance
Sarah Krementz (College of Natural Resources)		P1	30	Mr. Eric Teitworth (College of Natural Resources) Dr. Krishna Pacifici (College of Natural Resources)	Where are Neuse River Waterdogs Reproducing in the Neuse and Tar River Basins?
James Kurdi (College of Engineering)		P1	31	Dr. Jason Haugh (College of Engineering) Mr. Ravi Appalabholta (College of Engineering) Mr. Joseph Koelbl (College of Engineering)	Tunable Gradient Development Enables Exploration of Context-Dependent Cell Migration
Francesca Kyanda (College of Humanities and Social Sciences)		O3	3221	Dr. Robin Dodsworth (College of Humanities and Social Sciences)	Ralinguistics: Conversations, Data and Analysis

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Addison Lane (College of Sciences)		P4	31	Dr. Alexander Nevzorov (College of Sciences) Dr. Azamat Galiakhmetov (College of Sciences)	Novel Peptoid-Based Macrodiscs for Structural Studies of Membrane Proteins
Shayleigh Larsen (Wilson College of Textiles)		P3	27	Dr. Traci Lamar (Wilson College of Textiles)	Exploration of the Twine TS-1800 Machine through Novelty Embroidery Application
Peter Lawing (College of Sciences)		P2	33	Dr. Jonathan Lindsey (College of Sciences)	Targeting the NTS1R Receptor for Radiopharmaceutical Treatment of Cancer
Brandon Le (College of Engineering)		P3	28	Dr. Ryan Sartor (College of Agriculture and Life Sciences) Dr. Colleen Doherty (College of Agriculture and Life Sciences)	Utilizing Neural Networks on Biological data
Jaden Leatherman (College of Engineering)		P1	32	Dr. Peter Fedkiw (College of Engineering) Mr. Mike Petrecca (College of Engineering)	Next Generation Functional Battery Separators with Unique Dendritic Morphology
Amy Leister (College of Engineering)		P1	33	Dr. Albert Keung (College of Engineering) Ms. Leandra Caywood (College of Engineering)	Optogenetic regulation of transcription factor dynamics and downstream gene expression in single cells
Steven Lin (College of Engineering)		P2	34	Mr. Vishal Srikanth (College of Engineering) Dr. Andrey Kuznetsov (College of Engineering)	Turbulence Dissipation During Impingement on Porous Media

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Yiting Liu (College of Humanities and Social Sciences)		P1	34	Dr. Yingchen He (College of Humanities and Social Sciences)	Study on Optimal Scaling of 3D-Printed Replicas for Blind and Low-Vision Museum Visitors
Honiah Locklear (College of Humanities and Social Sciences)		P3	29	Dr. April Fogleman (College of Agriculture and Life Sciences)	Correlation between Breastfeeding and Post-Partum Depression
Sid Lohia (College of Engineering)		P2	35	Dr. Saad Khan (College of Engineering)	Synthesis and Applications of Graphene Aerogels
Kathryn Lu (College of Engineering)		P2	36	Dr. Noboru Matsuda (College of Engineering) Dr. Xiaolin Duan (College of Humanities and Social Sciences)	Investigating The Effect Of Interactive Map Comparison As a Facilitator of Multivocal Thinking In History Education
Ta'Kia Lucas (College of Natural Resources)		P2	37	Dr. Marcela Rojas-Pierce (College of Agriculture and Life Sciences) Dr. Katharina Stapelmann (College of Engineering) Mr. Connor Robinson (College of Engineering)	Effects of Plasma Activated Water (PAW) on Arabidopsis Stress Responses
Kiara Malloy (College of Sciences)		P4	32	Dr. Carlos Goller (College of Sciences) Dr. Claire Gordy (College of Sciences)	The prevention of infection of the <i>Delftia acidovorans</i> on the greater wax moth using anti-inflammatories
Carmela Mangini (College of Humanities and Social Sciences)		P3	30	Dr. Scott Stage (College of Humanities and Social Sciences)	A Mixed Methods Research Synthesis of the Content Published on Multi-Tiered Systems of Support



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Mimi Marriott (College of Natural Resources)	Suzanne Teague (College of Natural Resources)	O1	3221	Dr. Rajan Parajuli (College of Natural Resources) Dr. Stephanie Chizmar (United States Forest Service)	Challenges and Opportunities for Agroforestry Practitioners to Participate in State Preferential Property Tax Programs for Agriculture and Forestry
Tyler Mason (College of Engineering)		P4	33	Dr. Katherine Saul (College of Engineering) Ms. Morgan Dalman (College of Engineering)	Muscle Contribution and Torque Generation During Dart Throwing Motion
Nicolas Mastrovito (College of Agriculture and Life Sciences)	Connor Allaway (College of Agriculture and Life Sciences)	P1	35	Dr. Trino Ascencio-Ibáñez (College of Agriculture and Life Sciences)	Identification of <i>A. thaliana</i> CKL5 and CKL6 Partner Cyclins During CaLCuV Infection
Arnav Mathur (College of Engineering)		P3	31	Professor Mary Estrada (College of Humanities and Social Sciences)	The Impact of Zero Transfer Credits on the Progress Toward International Students' Degrees
Katherine Matthes (College of Humanities and Social Sciences)		P1	36	Dr. Sarah Ascienzo (College of Humanities and Social Sciences)	The Impact of Organizational Factors on Secondary Traumatic Stress in Behavioral Health Workers: A Mixed-Methods Study
Patrick McArthur (College of Agriculture and Life Sciences)		P3	32	Dr. Ryan Sartor (College of Agriculture and Life Sciences) Dr. Colleen Doherty (College of Agriculture and Life Sciences) Ms. Alice Chesley (College of Agriculture and Life Sciences)	Cryogenic Preservation of the Lemnaceae Species <i>Lemna gibba</i>

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Chase McCrary (College of Humanities and Social Sciences)	Lauren Conway (College of Natural Resources)	P4	34	Dr. Angela Allen (College of Natural Resources) Dr. Elizabeth Nichols (College of Natural Resources) Dr. Stephanie Jeffries (College of Natural Resources)	Continuous Compliance Monitoring of Water Quality to Determine the Effects of Urbanization on Richland Creek
Hanna McDaniel (College of Engineering)		P3	33	Dr. Ashok Gopalarathnam (College of Engineering) Mr. Michael Jenkins (College of Engineering) Mr. Jacob Fine (College of Engineering)	Estimating the Behavior of Long Tethers For Energy Generating Kites
Olivia McDonald (College of Natural Resources)	Jalin Cox (College of Natural Resources) Danielle Sheets (College of Natural Resources)	P1	37	Dr. Erin McKenney (College of Agriculture and Life Sciences)	The Cougar Initiative -- Rewinding North Carolina Through Reintroduction
Sarah McKee (College of Sciences)		P3	34	Dr. Chris Gorman (College of Sciences) Dr. Ivan Cockman (College of Sciences)	Synthetic Strategies To Access Higher Azaacenes
Jadyn McLean (College of Humanities and Social Sciences)		P4	35	Ms. Rebecca Shisler (College of Humanities and Social Sciences)	God, It's Good: Exploring the Intersections of Ethnic Food and Health Culture
Audrey McLeod (College of Sciences)	Emery Meyer (College of Sciences)	P4	36	Dr. Carlos Goller (College of Sciences)	Comamonas and You; From infection to Bioremediation

Lead Presenter	Co-Presenters	Session	Room/Poster	Mentor(s)	Project Title
Eleanor McNamee (College of Humanities and Social Sciences)	Demi Stamatakos (College of Sciences)	P3	35	Dr. Anne McLaughlin (College of Humanities and Social Sciences) Mr. Frank Lodge (College of Humanities and Social Sciences)	Novel Experimental Procedure in Virtual Reality Task Can Help Account for Effects from Past VR Experience
Bryce Medlock (College of Engineering)		O2	3285	Dr. Jun Ohata (College of Sciences) Mr. Seiya Ishizawa (College of Sciences)	Developing Protein Modification Method for Cancer Treatment
Jayden Meggett (College of Humanities and Social Sciences)	Sofie Yingling (College of Humanities and Social Sciences)	P3	36	Dr. Erin McKenney (College of Agriculture and Life Sciences)	Illegal Wildlife Trade and Poaching in Asia
Alissa Meyerhoffer (College of Sciences)		P2	38	Dr. Manuel Kleiner (College of Agriculture and Life Sciences) Dr. J. Alfredo Blakeley-Ruiz (College of Agriculture and Life Sciences)	Assessing the growth of <i>Bacteroides thetaiotaomicron</i> on different sources of dietary protein
Madelyn Milazzo (College of Humanities and Social Sciences)		P3	37	Dr. Ayse Ercumen (College of Natural Resources)	Correcting a History of Poor Urban Planning and Design for Improved Community Health
Makayla Miller (College of Agriculture and Life Sciences)	Whitney Pesce (College of Agriculture and Life Sciences)	P1	38	Dr. Trino Ascencio-Ibáñez (College of Agriculture and Life Sciences)	Transference of infectious clones from <i>E. coli</i> into <i>agrobacterium</i> vectors without intellectual property issues
Kay Millikan (College of Agriculture and Life Sciences)		P3	38	Dr. Thomas Makris (College of Agriculture and Life Sciences) Mr. Han Phan (College of Agriculture and Life Sciences)	Structural and kinetic studies of Chlamydia Associating with Death Domains (CADD)

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Ansley Mills (College of Sciences)		P4	37	Dr. Matthew Breen (College of Veterinary Medicine) Dr. Rachael Thomas (College of Veterinary Medicine)	Identification of a Canine Hereditary Chromosomal Aberration using Chromosome Banding
Amela Minerali (College of Humanities and Social Sciences)		P4	38	Dr. Jamie Pearson (College of Education) Ms. DeVoshia Mason Martin (College of Education)	Suicide in Black Autistic Youth
Molly Mizenko (College of Sciences)		P3	39	Dr. Claire Gordy (College of Sciences)	Investigating Genetics Students' Understanding of Illumina Sequencing Using a 3D Virtual Tour and Case Study
Aleya Mohamed (College of Agriculture and Life Sciences)		P2	39	Dr. Colleen Doherty (College of Agriculture and Life Sciences) Dr. Kanjana Laosuntisuk (College of Agriculture and Life Sciences)	Cold and Microgravity Promoter Cloning
Allie Monahan (College of Sciences)		P2	40	Dr. Lisa Paciulli (College of Sciences)	Exploring Demodex Mites on Captive Lemurs (Class: Arachnida)
Alayna Moore (College of Sciences)		P1	39	Dr. Reade Roberts (College of Sciences) Mr. Aldo Carmona- Baez (College of Sciences)	Identifying Candidate Genes and Genetic Variants Associated with Gut Length Differences in African Cichlid Fishes

Lead Presenter	Co-Presenters	Session	Room/Poster	Mentor(s)	Project Title
Juan Morales Zapata (College of Sciences)		P3	40	Dr. Daniel Dougherty (College of Sciences) Ms. Samanvitha Sridhar (College of Sciences) Mr. Gaurab Thapa (College of Sciences) Mr. Ario Khansari (College of Sciences)	Growth of CrCl <sub>3</sub> Films in a High Vacuum Tube Furnace
Courtney Morgan (College of Natural Resources)		O2	3221	Ms. Bee Rinaldi (College of Humanities and Social Sciences)	A Response to Governmental Action Against Native Cultures Within the United States A Retelling of Cultural Genocide within the Catawba Nation
Xue Mullane (College of Humanities and Social Sciences)		P1	40	Dr. Laura Widman (College of Humanities and Social Sciences) Ms. Julia Brasileiro (College of Humanities and Social Sciences)	Identifying Improvements for STI/HIV Prevention Programs Delivered to Youth in Juvenile Justice Facilities
Emma Mullins (College of Natural Resources)	Andrea Putri (College of Natural Resources) Kyla Jenkins (College of Natural Resources) Casey Bielefeld (College of Natural Resources)	P2	41	Dr. Elizabeth Guthrie Nichols (College of Natural Resources)	CAFO Lagoon Breach Effects on Nutrients and Metals in Surface Waters
Lily Mullins (College of Humanities and Social Sciences)		P1	41	Dr. Laura Widman (College of Humanities and Social Sciences)	Informing Sex Education: Teens' Questions about Sex and Relationships
Hazeen Naikzada (College of Agriculture and Life Sciences)		P3	41	Dr. Deepti Salvi (College of Agriculture and Life Sciences)	Novel Antimicrobial Edible Coating against <i>Salmonella</i> : Optimizing UV-C Light Absorbance

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Sam Nechyba (College of Sciences)		P3	42	Dr. Divine Kumah (College of Sciences)	Exploring the Impacts of Growth Conditions on the Structure and Superconducting Properties of Lanthanum Oxide
Geigh Neill (College of Engineering)		P1	42	Dr. Xiaomeng Fang (Wilson College of Textiles) Mr. Muh Amdal Hoque (Wilson College of Textiles)	Proportional-Integral-Derivative Control of Assistive Knee Brace Orthosis Device
Kate Nierle (College of Sciences)		P3	43	Dr. Katarzyna Dembek (College of Veterinary Medicine)	Decreased Intestinal Peptide Hormones Found in Horses Hospitalized for Equine Colic
Anne Norris (College of Engineering)	Samantha Baxter (College of Engineering)	P4	39	Dr. David Zaharoff (College of Engineering)	Optimizing the Degree of Substitution in Chitosan Nanoparticles for a Novel Fentanyl Overdose Vaccine
Emilie Norwood (College of Engineering)		P1	43	Dr. Leslie Sombers (College of Sciences) Ms. Alexandra G. Forderhase (College of Sciences)	Optimized Fabrication of Carbon-Fiber Microbiosensors for Simultaneous Detection of Glucose and Dopamine in Brain Tissue
Zacharia Nyambega (College of Engineering)		P3	44	Dr. Michael Dickey (College of Engineering) Dr. Sooik Im (Wilson College of Textiles)	Re-polymerization of double-network hydrogels by liquid metal particles

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Wafaa Osman (College of Engineering)	Sadat Pollard (College of Engineering) Vincent Wang (College of Engineering) Julian Colvin (College of Engineering)	P2	42	Dr. Maria Avramova (College of Engineering) Dr. Kostadin Ivanov (College of Engineering) Dr. Baxter Durham (Westinghouse) Dr. Blaine Taylor (Westinghouse)	Fuel Management and Reload Cycle Length Optimization of a Westinghouse 4-Loop PWR
Justin Overman (College of Engineering)		P2	43	Dr. Alexander Bataller (College of Engineering) Mr. Syed Rizvi (College of Engineering)	Toward Thermal Conductivity Measurements of Molten Salts using Spatial Domain Thermoreflectance
Emely Pacheco (College of Agriculture and Life Sciences)		P3	45	Ms. Anna Dye (College of Agriculture and Life Sciences) Dr. Trino Ascencio-Ibàñez (College of Agriculture and Life Sciences) Dr. George Kennedy (College of Agriculture and Life Sciences) Dr. Linda Hanley-Bowdoin (College of Agriculture and Life Sciences)	The characterization of a partial mixed infection of two tomato <i>begomoviruses</i>
Emely Pacheco (College of Natural Resources)		P4	40	Dr. Elizabeth Nichols (College of Natural Resources)	Community Engagement for Wastewater reuse
Lily Palmer (College of Humanities and Social Sciences)		P2	44	Dr. Isaac Woods (College of Humanities and Social Sciences)	Social Justice Across School Professionals: a Keywords-in-Context Analysis of School Professional Organizations' Standards

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Taylor Parker (College of Sciences)		P4	41	Dr. Antonio Planchart (College of Sciences) Dr. Ryan Weeks (University of North Carolina at Chapel Hill) Mr. Alex Wall (College of Sciences) Ms. Laura Montes (College of Veterinary Medicine)	Genotyping Zebrafish for a Potentially Lethal TDP-43 and Tardbp1 Double Knockout
Anjali Patel (College of Education)	Jackson Bunte (College of Sciences)	P2	45	Dr. Emily Griffith (College of Sciences) Dr. Stephany Dunstan (College of Sciences)	Impact of COVID-19 on Masters Degree Completion Time
Manav Patel (College of Sciences)		P3	46	Dr. Orlando Arguello-Miranda (College of Agriculture and Life Sciences)	Investigating CNN Methodologies for Identifying Fungal Plant Pathogens
Manav Patel (College of Natural Resources)		P4	42	Dr. Orlando Arguello-Miranda (College of Agriculture and Life Sciences)	Data-driven automated classification of pathogenic and mycorrhizal fungi
Trevor Patten (College of Humanities and Social Sciences)		P3	47	Dr. Anne McLaughlin (College of Humanities and Social Sciences)	Examination of Veterinary Student Beliefs Regarding Their Education in Safety Culture
Lucy Payne (College of Agriculture and Life Sciences)		P1	44	Dr. Jessica Gluck (Wilson College of Textiles) Ms. Kiran Mumtaz Ali (Wilson College of Textiles)	How to be a Heartbreaker: Decellularizing Porcine Heart Tissue to Isolate Extracellular Matrix Proteins
Jordan Peeler (College of Agriculture and Life Sciences)		P1	45	Dr. Casey Nestor (College of Agriculture and Life Sciences)	Examining the impact of chronic undernutrition on insulin secretion in male and female sheep.



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Bailey Pelt (College of Sciences)		P3	48	Dr. Ryan Paerl (College of Sciences)	Investigating the Relationship Between Proteins and Vitamin B1: Does Protein Binding Impact Vitamin Acquisition in Model Marine Bacteria?
Rachel Pennebaker (College of Agriculture and Life Sciences)	Linh Phan (College of Sciences)	P1	46	Dr. Ross Sozzani (College of Agriculture and Life Sciences) Dr. Imani Madison (College of Agriculture and Life Sciences)	Investigating Possible Solutions to Phosphate Starvation in <i>Arabidopsis thaliana</i>
Sheena Perdiz (College of Agriculture and Life Sciences)	Anamitraa Dutta (College of Natural Resources)	P1	47	Dr. Erin McKenney (College of Agriculture and Life Sciences)	Gatekeeping of the Conservation Sciences
Jacob Perry (College of Sciences)		P2	46	Dr. Yi Xiao (College of Sciences) Dr. Juan Canoura (College of Sciences) Mr. Obtin Alkhamis (College of Sciences)	Analysis of aptamer exonuclease digestion products with urea-PAGE
Whitney Pesce (College of Agriculture and Life Sciences)		O1	3285	Dr. Alejandra Huerta (College of Agriculture and Life Sciences) Dr. Katherine D'Amico-Willman (College of Agriculture and Life Sciences) Dr. José Ascencio-Ibañez (College of Agriculture and Life Sciences)	Exploring Genetic Mechanisms Underlying Susceptibility to Bacteriophage Infections in the Plant Pathogenic Bacteria, <i>Xanthomonas arboricola pv. pruni</i>
Carlos Petzold (College of Sciences)	Alexa Russell (College of Sciences) Liam Stuart (College of Sciences)	P2	47	Dr. Emily Griffith (College of Sciences) Dr. Stephany Dunstan (College of Sciences)	Student Intervention Analysis Based on First Generation Status

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Alex Pezold (College of Natural Resources)	Paige Collins (College of Natural Resources) Matthew Moore (College of Natural Resources) Shrusti Patel (College of Natural Resources) Alex Fucci (College of Natural Resources)	P2	48	Dr. Elizabeth Guthrie Nichols (College of Natural Resources)	CAFO Lagoon Breach on E. coli and Coliform in Surface Waters
Sydney Pollock (College of Natural Resources)	Darius Ledbetter (College of Natural Resources) Zach Trainor (College of Natural Resources)	P3	66	Dr. Jennifer Richmond-Bryant (College of Natural Resources)	Association of PM2.5 concentrations with burn events at an open-burn/open-detonation hazardous waste facility in Colfax, Louisiana
Hoke Pollock (College of Agriculture and Life Sciences)	Sydney Johnson (College of Agriculture and Life Sciences) Karlyn Matheson (College of Agriculture and Life Sciences) Hannah Potthoff (College of Agriculture and Life Sciences) Riley Smith (College of Agriculture and Life Sciences)	P1	48	Dr. Michael Goshe (College of Agriculture and Life Sciences)	Novel Treatment and Detection Methods for Protein Aggregate-Associated Neuropathologies

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Deana Poteat (College of Agriculture and Life Sciences)	Amit Sen (College of Agriculture and Life Sciences) Sophia Chamberlain (College of Humanities and Social Sciences)	P2	49	Dr. Danielle Lin Hunter (College of Natural Resources) Dr. Caren Cooper (College of Natural Resources)	Relationship Between Household Location and Risk of Lead Contamination in North Carolina
Jeff Powell (College of Sciences)		P4	43	Dr. Brian Space (College of Sciences) Dr. Adam Hogan (College of Sciences)	GPU-Based Implementation of Many Body Van der Waals Interactions
Prerana Prabhushankar (College of Agriculture and Life Sciences)		P1	50	Dr. Gabriel Harris (College of Agriculture and Life Sciences) Dr. Lynette Johnston (College of Agriculture and Life Sciences) Mr. Jason Frye (College of Agriculture and Life Sciences)	Development of Coffee-Based Toothpaste to Inhibit Growth of Cavity-Promoting <i>S. mutans</i>
Annika Pratt (College of Sciences)		P1	51	Dr. Whitney Jones (College of Sciences) Dr. Christopher Halweg (College of Sciences)	Influence of a 3D Printed Chromosome Model on Student Understanding of the Processes of Mitosis and Meiosis
Fiona Prestemon (College of Humanities and Social Sciences)	Miles Eustis (College of Humanities and Social Sciences) Gouri Kallambella (College of Sciences) Carinah Townsend (College of Humanities and Social Sciences)	P3	49	Dr. Kelly Lynn Mulvey (College of Humanities and Social Sciences) Ms. Christina Marlow (College of Humanities and Social Sciences)	Age-Related Differences in Children's Reasoning and Justification of Rule-Breaking

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Sydney Preston (College of Sciences)		P1	52	Dr. Robert Smart (College of Sciences)	Discovery and Mapping of a Long Noncoding RNA that is DNA Damage-Inducible and Suppresses p53-Mediated Apoptosis
Aly Prockter (College of Sciences)		P2	50	Ms. Jessica Stevens (College of Sciences) Dr. Hein Tran (College of Sciences)	Redefining the Model for Chemical Absorption in Human Skin
Sarah Rachita (College of Natural Resources)		P4	44	Dr. Elizabeth Nichols (College of Natural Resources) Dr. Ayse Ercumen (College of Natural Resources) Ms. Hayden Rudd (College of Natural Resources)	Using suspect-screening HRMS to assess organic chemical removal by low-cost point of use filters
Roshan Raju (College of Engineering)		P4	45	Dr. Mengmeng Zhu (Wilson College of Textiles)	Importance of generation of wind power energy
Sahana Ramamurthy (College of Engineering)		O3	3210	Dr. Ann Von Holle (National Institute of Environmental Health Sciences) Dr. Clarice Weinberg (National Institute of Environmental Health Sciences)	Association between Body Iron Status and Biological Aging
Dan Richard (College of Agriculture and Life Sciences)		P3	50	Dr. Arion Kennedy (College of Agriculture and Life Sciences) Ms. Mareca Lodge (College of Agriculture and Life Sciences)	Inhibition of the pentose phosphate pathway leads to increased inflammation in fructose-treated Immortalized Kupffer Cells

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Lauren Richards (College of Humanities and Social Sciences)		P1	53	Dr. Laura Widman (College of Humanities and Social Sciences) Ms. Julia Brasileiro (College of Humanities and Social Sciences)	Sexual Health Programs for Parents of Youth with Intellectual Disabilities: A Review
Nicholas Ristaino (College of Humanities and Social Sciences)		P3	51	Dr. Mark Nance (College of Humanities and Social Sciences)	De-Risking in Foreign Embassies
Zoe Roberts (College of Agriculture and Life Sciences)	Leah Hohman (College of Agriculture and Life Sciences) Mitchell Langston (College of Agriculture and Life Sciences)	P2	51	Dr. Matthew Allan (College of Agriculture and Life Sciences) Dr. Fernanda Santos (College of Agriculture and Life Sciences) Ms. Megan Watson (College of Agriculture and Life Sciences)	Methods to Delay Beta-carotene Degradation in Oven-Dried Orange-Fleshed Sweet Potatoes
Sarah Madeline Rodan (College of Humanities and Social Sciences)		P3	52	Dr. Kelly Lynn Mulvey (College of Humanities and Social Sciences) Dr. Channing Matthews (University of Virginia)	Identifying the most impactful factors of Informal STEM Learning Sites on student interest and understanding of STEM fields
Courtney Rogers (College of Engineering)		P4	46	Dr. Yevgeny Brudno (College of Engineering) Ms. Sharda Pandit (College of Engineering)	Improving Multifunctional Alginate Scaffolds for T-cell Engineering and Release (MASTER) for use in CAR-T Cell Cancer Therapeutics

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Lexi Roof (College of Agriculture and Life Sciences)	Bailey Jones (College of Agriculture and Life Sciences) Savannah Lindsey (College of Agriculture and Life Sciences) Joshua Miller (College of Agriculture and Life Sciences) Leia Neely (College of Agriculture and Life Sciences) Margaret Edel (College of Agriculture and Life Sciences) Alexis Oliver (College of Agriculture and Life Sciences)	P1	54	Dr. Suzanne Leonard (College of Agriculture and Life Sciences)	Development of precise milk feeding system for sows
Oliver Roper (College of Sciences)		P4	47	Dr. Elsa Youngsteadt (College of Agriculture and Life Sciences) Ms. Melina Keighron (College of Agriculture and Life Sciences)	Effects of Habitat Management on Bee Pollination Efficiency in Urban Gardens
Nicole Garcia (College of Natural Resources)		P4	48	Dr. Steph Jeffries (College of Natural Resources)	Impact of Impervious Surface on Tree Growth at NC State
Barrett Rose (College of Sciences)	Kaitlin Litwin (College of Sciences)	P1	55	Dr. Astrid Schnetzer (College of Sciences) Dr. Scott Belcher (College of Sciences) Dr. Craig Harms (Center for Marine Sciences and Technology) Dr. Kady Lyons (Georgia Aquarium)	Marine Cyanotoxin Microcystin in Sea Turtles, Alligators, and Sharks

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Kaya Rosselle (College of Agriculture and Life Sciences)		P2	52	Dr. Lisa Paciulli (College of Sciences) Ms. Rebecca Olson (College of Sciences) Ms. Tiffany Brocco (College of Sciences)	<i>Aye-aye (Daubentonia madagascariensis)</i> Infant Nursing During the First Days of Life
Onyx Royal (College of Humanities and Social Sciences)		P3	53	Dr. Amanda Kennell (College of Humanities and Social Sciences)	Anime and Cross-cultural Adaptations of Ancient China in the Contemporary Japanese Imagination
Pierson Rucker (College of Agriculture and Life Sciences)		P3	54	Dr. Thomas Makris (College of Agriculture and Life Sciences) Ms. Sydney Skirboll (College of Agriculture and Life Sciences) Mr. Han Phan (College of Agriculture and Life Sciences)	p-aminobenzoic acid synthesis and host-cell apoptosis by CADD from <i>Chlamydia trachomatis</i>
Srigouri Rudravaram (College of Engineering)		P3	55	Dr. Ryan Sartor (College of Agriculture and Life Sciences) Ms. Alice Chesley (College of Agriculture and Life Sciences)	Variety Determination of Duckweed by Spectral Fingerprinting
Frederick Russell (College of Natural Resources)		P2	53	Dr. Christopher Moorman (College of Natural Resources) Dr. Nathan Hostetter (College of Agriculture and Life Sciences) Ms. Mikiah Carver (College of Agriculture and Life Sciences)	Factors influencing white-tailed deer birth-site selection along an urban-rural gradient
Hadie Sabbah (College of Engineering)		P2	54	Dr. Venkat Narayanaswamy (College of Engineering)	Morphing Wings In Supersonic Conditions

Lead Presenter	Co-Presenters	Session	Room/Poster	Mentor(s)	Project Title
Yamini Saggurthi (College of Sciences)		P3	56	Ms. Isabella Livingston (College of Sciences) Dr. Matthew Breen (College of Veterinary Medicine)	ISOLATING VECTOR-BORNE DISEASES IN MOSQUITOES
Gioia Salamido (College of Agriculture and Life Sciences)		P4	49	Dr. Imara Perera (College of Agriculture and Life Sciences) Ms. Aurora Toennisson (College of Agriculture and Life Sciences)	Lunar Gardens? Evaluating Plant Growth Promotion by Space Flight Isolated Microbes
Olivia Samuelson (College of Agriculture and Life Sciences)		P1	56	Dr. Carrie Thomas (College of Sciences) Dr. Gregory Lewbart (College of Veterinary Medicine)	Ocular Health of Captive Fish
Jayson Sanchez (College of Agriculture and Life Sciences)		P1	57	Dr. Trino Ascencio-Ibáñez (College of Agriculture and Life Sciences)	Implementation of Virus induced gene silencing vectors for cell cycle analysis in geminivirus infected <i>Arabidopsis thaliana</i> Col-0
Ryan Santiago (College of Sciences)		P4	50	Dr. Joshua Pierce (College of Sciences)	Rational Synthesis of Clausenamide and Pyrrolidine Dione Derivatives
Katie Savant (College of Natural Resources)	Kyle Scavo (College of Natural Resources) Dominic Zecca (College of Natural Resources) Harrison Skidmore (College of Natural Resources)	P2	55	Dr. Elizabeth Guthrie Nichols (College of Natural Resources)	Impact of CAFO Lagoon Breach on Nutrients in Surface Waters



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Emma Scardina & Mario Hernandez (College of Sciences)		P2	56	Dr. Yi Xiao (College of Sciences) Mr. Obtin Alkhamis (College of Sciences)	Identifying Optimal Dyes for Aptamer-Based Dye Displacement Assays
Callan Schroeder (College of Sciences)		P3	57	Dr. Seth Kullman (College of Sciences) Ms. Morgan Ritter (College of Sciences)	Disruption of Vitamin D receptor signaling impacts ASD risk gene expression
Gabrielle Schuh (College of Sciences)		P2	57	Dr. Patricia Estes (College of Sciences)	The Single-minded Gene Affects Feeding Behavior in <i>Drosophila melanogaster</i>
Izabella Sciora (College of Engineering)		P4	51	Dr. Venkateswaran Narayanaswamy (College of Engineering) Mr. Abinash Sahoo (College of Engineering)	Design and Development of a Microgravity Capable Drone Equipped with Payload
Madeline Scott (College of Sciences)		P4	52	Dr. Heather Patisaul (College of Sciences) Ms. Stacy Schkoda (College of Sciences)	Effect of Developmental Flame Retardant Exposure On Oxytocin Receptor Expression in the Rat Brain
Nikole Sena Carneiro (College of Agriculture and Life Sciences)	Zade Freij (College of Agriculture and Life Sciences) Catherine Lawrence (College of Agriculture and Life Sciences) Caidin Biggers (College of Agriculture and Life Sciences)	P4	53	Dr. Sebastian Wolfrum (College of Agriculture and Life Sciences) Mr. Mark Stevens (Novozymes)	Utilization of Raw Barley and Exogenous Enzymes in Low-Fermentable Wort
Delaney Serpan (College of Natural Resources)		P3	58	Dr. Kelly Oten (College of Natural Resources)	Phenology of Elm Zigzag Sawfly in North Carolina

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Sarah Sessoms (College of Agriculture and Life Sciences)	Jess Schinsky (College of Sciences) Dani Carter (College of Agriculture and Life Sciences) Beatrice Eddy (College of Agriculture and Life Sciences) Katelyn Simkins (College of Agriculture and Life Sciences) Katy Hagopian (College of Agriculture and Life Sciences) Madison Manzo (College of Agriculture and Life Sciences) Alexis Oliver (College of Agriculture and Life Sciences)	P1	58	Dr. Shweta Trivedi (College of Agriculture and Life Sciences)	Training Undergraduates for Fieldwork Research in a South African Wildlife Conservation Study Abroad
Beatrice Sewell (College of Agriculture and Life Sciences)	Molly Reid (College of Agriculture and Life Sciences)	P1	59	Dr. Michael Goshe (College of Agriculture and Life Sciences) Dr. Robert Rose (College of Agriculture and Life Sciences)	The Development of a Recombinant Protein Expression System for Bovine Serum Albumin to Characterize the Mechanism of Disulfide-Mediated Amyloid Formation
Ayushma Sharma (College of Sciences)		P4	54	Dr. Jonathan Hall (College of Sciences) Ms. Emma E.Tobin (College of Sciences) Ms. Sophia C. Gray (College of Sciences) Mr. Jonathan R. Hall (College of Sciences)	The Loss of CCAAT Enhancing Protein $\beta$ (C/EBP $\beta$ ) Activates Caspase-mediated Regulated Cell Death in Response to UVB induced DNA Damage
Robin Shin (College of Engineering)		P2	58	Dr. Mark Pankow (College of Engineering)	Impact Shape Sensing Using Triaxial Accelerometers

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Logan Shreve (College of Humanities and Social Sciences)		O1	3221	Dr. Dana Kotter-Gruehn (College of Humanities and Social Sciences)	Perceived Availability, Accessibility and Effectiveness of Support Services on NC State's Campus
Dylan Snarr (College of Engineering)		P2	59	Dr. Mark Pankow (College of Engineering) Mr. Shahriar Chowdhury (College of Engineering)	Bio-Based Composites for Marine Hydrokinetic Energy Generation off the North Carolina Coast
Carlin Spence (College of Humanities and Social Sciences)		P1	60	Dr. Laura Widman (College of Humanities and Social Sciences)	Examining the Connection Between Parental Monitoring and Depressive Symptoms in LGBTQ+ Youth
Shaan Stephen (College of Engineering)		P2	60	Dr. Venketeswaran Narayanaswamy (College of Engineering)	Development and Implementation of Distortion Generators in High Speed Flows
Chris Strang (College of Sciences)		P3	59	Dr. Karl Wegmann (College of Sciences)	Analysis of suspended sediments upstream, within, and below the Rocky Branch beaver impoundment, NC State Campus, Raleigh, NC.
Anna Stufflebeam (Wilson College of Textiles)		O2	3222	Dr. Traci Lamar (Wilson College of Textiles)	Textile Product Development Using Wool from Heritage Sheep Breeds
Eythan Suber (College of Engineering)		P4	55	Dr. De-Yu Xie (College of Agriculture and Life Sciences) Ms. Bethany Mostert (College of Agriculture and Life Sciences)	The Optimization of CPR1 and CPR2 Expression for Artemisinin Production
Nico Swanson Villares (College of Sciences)		P4	56	Dr. David Buchwalter (College of Sciences)	The Mass Rearing of Freshwater Diatoms for the Development of a Mayfly Diet

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Katie Taran (College of Engineering)		P2	61	Dr. Jacqueline Cole (College of Engineering) Ms. Kyla Bosh (College of Engineering)	Gait Impairment in a Rat Model of Brachial Plexus Birth Injury
Lauren Teague (College of Engineering)		P3	60	Dr. Fanxing Li (College of Engineering) Dr. Runxia Cai (College of Engineering)	Optimization of Perovskite Oxides for Thermochemical Energy Storage Using a High-Throughput Combinatorial Approach
Suzanne Teague (College of Natural Resources)		P4	57	Dr. Rajan Parajuli (College of Natural Resources) Dr. Stephanie Chizmar (USDA Forest Service) Dr. Robert Bardon (College of Natural Resources)	Economic Significance of Forestry in North Carolina Counties
Anna Thomas (College of Agriculture and Life Sciences)	Chloe Patterson (Wilson College of Textiles)	P1	61	Dr. Natalie Cooke (College of Agriculture and Life Sciences) Dr. Carolyn Dunn (College of Agriculture and Life Sciences) Ms. Catherine Hill (College of Agriculture and Life Sciences)	Development of “Cooking Essentials: Ingredients for Life” Curriculum Facilitator Training and Self-Efficacy Survey
Steven Thompson (College of Engineering)		O2	3285	Dr. Jacqueline Cole (College of Engineering) Dr. Katherine Saul (College of Engineering) Ms. Kyla Bosh (College of Engineering)	Understanding Paw Preference Associated with Brachial Plexus Birth Injury

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Asa Thurnau (Poole College of Management)		O3	3210	Professor Autumn Belk (University College - DASA)	The Psychological Effects of Dancing in a Studio Environment on Adolescents
Olivia Townsend (College of Humanities and Social Sciences)		P4	58	Dr. Katherine Charron (College of Humanities and Social Sciences)	Grassroots Advocacy Against the Lack of Equitable Education in Rural North Carolina
Meric Trombley (College of Sciences)		P4	59	Dr. Caroline Proulx (College of Sciences) Mr. Maxwell Bowles (College of Sciences)	Investigating The Metal Binding Properties of Azapeptides
Preston Truett (College of Natural Resources)		P4	60	Dr. Robert Jetton (College of Natural Resources)	Response of Mushroom Fructification to Selected Forest Disturbances
Izzy Van Dyk (College of Natural Resources)	Elizabeth Mitchell (College of Agriculture and Life Sciences)	P3	61	Dr. Erin McKenney (College of Agriculture and Life Sciences)	Conservation of Endemic Species in NC
Jude Vanne (College of Humanities and Social Sciences)		O3	3221	Dr. Kathryn Grossman (College of Humanities and Social Sciences)	Reviving Tom Parker's Life Work
Max Velasco (College of Engineering)	Luke Shuler (College of Engineering) Matthew Nash (College of Engineering) Jendayi Brown (College of Engineering)	P2	62	Dr. Scott Palmtag (College of Engineering)	24-month Cycle Transition and Optimization for a 4-Loop PWR Core
Leslie Vespermann (College of Humanities and Social Sciences)		P2	63	Dr. Paige Averett (College of Humanities and Social Sciences)	Three Women Navigating Sexual Identity, Compulsory Heterosexuality, and Hypersexuality: A Case Study Across Generations

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Jennie Vo (College of Humanities and Social Sciences)		P4	61	Mr. Dylan Hewitt (College of Humanities and Social Sciences) Dr. Yingchen He (College of Humanities and Social Sciences)	Web Accessibility: A Review of U.S. State and Territory COVID-19 Websites for Visually-Impaired Users
Lainey Volz (Wilson College of Textiles)		P1	62	Dr. Anne Porterfield (Wilson College of Textiles) Dr. Janie Woodbridge (Wilson College of Textiles)	Bringing Digital Fashion Designs Into Reality
Farrah Waddell (College of Sciences)		P3	62	Dr. Lin Walker (College of Agriculture and Life Sciences) Ms. Mary Mendoza (College of Agriculture and Life Sciences)	Building AMR Profiles of <i>Campylobacter jejuni</i> Isolates
Ria Wadhavkar (College of Sciences)	Abhay Kothari (College of Sciences) George Katsoulis (College of Sciences)	P2	64	Dr. Emily Griffith (College of Sciences) Dr Stephany Dunstan (College of Sciences)	Parental Education Inequality in Graduate Completion Rates
Sara Wall (College of Natural Resources)		P3	63	Dr. Catherine Davis (College of Sciences)	Foraminifera Distribution and Associated Fauna from Coastal Carolina Plankton Tows
Joshua Wang (College of Sciences)	Gabe Milburn (College of Sciences) Kevin Xu (College of Sciences)	P2	65	Dr. Emily Griffith (College of Sciences) Dr Stephany Dunstan (College of Sciences)	Does GRE Score Relate To Graduate Student's Success

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Carter Wang (College of Engineering)		P4	62	Dr. Katherine Saul (College of Engineering) Mr. Christopher Jadelis (College of Engineering)	Upper Arm Muscle Activation Variability in Stroke During Reaching Tasks
Samantha Watson (College of Engineering)		O2	3210	Dr. Matthew Fisher (College of Engineering) Mr. Zachary G. Davis (College of Engineering)	The Effect of Incorporating Decellularized ECM in Direct-write, Near-field Electrospun Gelatin Solution On Fiber Stiffness
Jada West (College of Natural Resources)		P4	63	Dr. Angela Allen (College of Natural Resources)	The Continual Analysis of the Effects of Poor Infrastructure and Environmental Justice on the Hydrologic Systems of the Walnut Creek
Riley Westman (College of Natural Resources)		P3	64	Dr. Katherine Martin (College of Natural Resources)	Evaluating Water Quality in Constructed Ponds and Wetlands on Centennial Campus
Hannah Widdowson (University College - DASA)		P4	64	Dr. Skylar Hopkins (College of Agriculture and Life Sciences) Dr. Kenzie Pereira (College of Agriculture and Life Sciences)	Parasitism and Disease in North American Snakes
Em Wilds (College of Agriculture and Life Sciences)		P4	65	Dr. Melanie Simpson (College of Agriculture and Life Sciences) Dr. Brenna Zimmer (College of Agriculture and Life Sciences)	RSK3 Turnover Time in Castration-Resistant Prostate Cancer Cells

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Lia Willcoxon (College of Humanities and Social Sciences)		O3	3210	Dr. Seth Murray (College of Agriculture and Life Sciences) Dr. Scott Madry (University of North Carolina at Chapel Hill)	Preserving the Past for the Future: Digitizing 40+ Years of Research Data Collected from Burgundy, France
Chloe Williams (College of Agriculture and Life Sciences)		P3	65	Dr. Susana Milla-Lewis (College of Agriculture and Life Sciences)	Overview of the NCSU Turfgrass Breeding and Genetics Program
Kody Willingham (College of Sciences)		P1	63	Dr. Erin McKenney (College of Sciences) Ms. Tisha Mentnech (NC State University Libraries)	The Implementation of Indigenous Land Practices
Kris Wilson (College of Sciences)		O1	3210	Dr. Marcia Gumpertz (College of Sciences)	Investigating Experiences of Historically-Underrepresented Minority Graduate Students
Casey Wofford (College of Natural Resources)		P1	64	Dr. Jodi Forrester (College of Natural Resources)	Establishment Patterns of Carolina Hemlock Ecosystems in the Southern Appalachians
Brandon Woodley (College of Agriculture and Life Sciences)	Benjamin Heckmann (College of Agriculture and Life Sciences) Riley Adams (College of Agriculture and Life Sciences)	P1	65	Dr. John Sheppard (College of Agriculture and Life Sciences) Mr. Eric Gibble (Goose and the Monkey Brewhouse)	Native Yeast Isolation and Utilization in Beer Production
Angela Yao (College of Sciences)		P1	66	Dr. Wei-Chen Chang (College of Sciences) Mr. Lide Cha, (College of Sciences)	Identification of Cyclopropanation Catalyzed by Fe/2OG Enzymes
Joey Zhao (Wilson College of Textiles)		P2	66	Dr. Januka Budhathoki-Uprety (Wilson College of Textiles) Ms. Hannah Dewey	Chirality Purification of Single-Walled Carbon Nanotubes for Nanosensor Development



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