

# 2024 Spring Symposium Schedule

<b>Tuesday, April 23, 2024</b>	
Oral Session 1 (O1)	10:00-10:45
Poster Session 1 (P1)	11:00-12:00
Oral Session 2 (O2)	12:30-1:15
Poster Session 2 (P2)	1:30-2:30

<b>Wednesday, April 24, 2024</b>	
Poster Session 3 (P3)	10:00-11:00
Oral Session 3 (O3)	11:15-12:15*
Oral Session 4 (O4)	12:30-1:15
Poster Session 4 (P4)	1:30-2:30
Poster Session 5 (P5)	2:45-3:45

\*One oral session room will end at 12:00, the other at 12:15.

Presenter Index  
(Alphabetically by Last Name)

Lead Presenter	Co-Presenter(s)	Session	Room/ Poster	Mentor(s)	Project Title
<b>Almira Ahmed</b> (College of Agriculture and Life Sciences)		P2	1	Dr. Tom Hooper (University College Dublin) Christine Coffey (University College Dublin)	Phosphorus-Based Cations as Main Group Catalysts
<b>Taha Ahmed</b> (College of Engineering)		P2	2	Dr. Veeraraghava Raju Hasti (College of Engineering)	Airfoil Shape Optimization Using Conditional Wasserstein Generative Adversarial Networks
<b>Lilly Ahrens</b> (College of Sciences)		P2	3	Dr. John Blondin (College of Sciences)	Stellar Wind Turbulence and its Effects on Hoyle-Lyttleton Accretion
<b>Omer Akhtar</b> (College of Agriculture and Life Sciences)		P2	4	Dr. Yoshiaki Tsuji (College of Sciences)	Modulation of Iron Metabolism and Cancer Cell Proliferation by the Sulforaphane Family Isothiocyanates
<b>Gabriella Alexander</b> (College of Sciences)		P5	1	Dr. Kelly Meiklejohn (College of Veterinary Medicine)	Investigating Relationships Between Antibody Repertoire and Country of Residence
<b>Adrian Aligwekwe</b> (College of Engineering)		P5	2	Dr. Ashley Brown (College of Engineering) Grant Scull (UNC-CH)	Ex vivo Analysis of Cell Migration in Partial ACL Tear Wound Model
<b>Anika Anandpura</b> (College of Sciences)		P3	1	Dr. Hong Wang (College of Sciences)	Generation of the Double Holliday Junction DNA Substrate for Single-Molecule Imaging

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<b>Maggie Anthony</b> (College of Agriculture and Life Sciences)	<b>Anshika Gutta</b> (College of Engineering)	P3	2	Dr. Natalie Cooke (College of Agriculture and Life Sciences) Christina Chapman (College of Agriculture and Life Sciences)	Analyzing Undergraduate Students' Career Decision Self-Efficacy Prior to a Career Development Intervention
<b>Gracie Athus</b> (College of Sciences)		P1	1	Dr. Rolanda Lister (Vanderbilt University)	Evaluating Folate Supplementation in the Attenuation of Cardiac Hypertrophy in Murine Offspring of Diabetic Dams
<b>Nhaturie Atkinson</b> (College of Humanities and Social Sciences)		O3	3210-1	Dr. Caren Cooper (College of Natural Resources)	Examining the Behavior of Animals Behaviors During a Solar Eclipse
<b>Gina Austin</b> (College of Sciences)		P4	1	Ms. Bess Smith (College of Sciences) Dr. Jung-Ying Tzeng (College of Sciences) Dr. Cathrine Hoyo (College of Sciences)	Sex Differences in PFAS Levels and Associations with Liver Health in Couples
<b>Morgan Ayscue</b> (College of Agriculture and Life Sciences)	<b>Cecilia Nottingham</b> (College of Natural Resources)	P4	2	Dr. Angela Allen (College of Natural Resources)	Analyzing the Trash Trout's Impact: A Continual Walnut Creek Watershed Study
<b>Aidan Baker</b> (College of Natural Resources)	<b>Eh Taw Boe</b> (College of Agriculture and Life Sciences)	P2	5	Dr. Erin McKenney (College of Agriculture and Life Sciences)	The Importance of Zoological Parks in Wildlife Preservation

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<b>Sydney Baker</b> (College of Sciences)		P3	3	Dr. Rodolphe Barrangou (College of Agriculture and Life Sciences) Kalani Gast (College of Agriculture and Life Sciences)	Developing CRISPR-Cas12a Genome Editing Tools for <i>Lactobacillus acidophilus</i>
<b>Jacob Baker</b> (College of Agriculture and Life Sciences)	<b>Claire Rice</b> (College of Agriculture and Life Sciences) <b>Haley Sparks</b> (College of Agriculture and Life Sciences)	P3	4	Dr. Virginia Stage (College of Agriculture and Life Sciences)	Skin Carotenoid Levels among Eastern North Carolina Head Start Children (3-5 years)
<b>Olivia Ball</b> (College of Humanities and Social Sciences)		O2	3221-1	Dr. Virginia Riel (College of Humanities and Social Sciences)	"An Absolute Nightmare": How Students Experience and Manage Housing Insecurity
<b>Phil Bankaitis</b> (College of Sciences)		P4	3	Dr. Tatyana Smirnova (College of Sciences)	Role of Nanoparticle Additives in Radical-Driven Degradation of Oil Lubricants: Spin-Trapping EPR
<b>Kayla Beckwith</b> (College of Natural Resources)		P1	2	Dr. Hannah Levenson (College of Agriculture and Life Sciences)	Seasonality of Multiple <i>Leptopilina</i> Species in Southeastern United States Blackberries
<b>Sierra Begley</b> (College of Sciences)		P4	4	Dr. Linda Hanley-Bowdoin (College of Agriculture and Life Sciences) Mary Dallas (College of Agriculture and Life Sciences)	The Effects of SEGS-1 on EACMV Infection in a Resistant Cassava Cultivar

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<b>Thomas Benthall</b> (College of Engineering) <b>Ciana Moore</b> (College of Engineering) <b>Austin Sides</b> (College of Engineering) <b>Spencer Blanchard</b> (College of Engineering)		P2	6	Dr. Nam Dinh (College of Engineering) Dr. Paridhi Athe (College of Engineering) Dr. Linyu Lin (Idaho National Laboratory)	Enhancing Nearly Autonomous Management And Control System with GPT
<b>Sophie Biancofiore</b> (College of Humanities and Social Sciences)		P1	3	Dr. Ian Hughes (College of Humanities and Social Sciences)	The Effects of Identity Related Questioning on Asexual Individuals Well-Being
<b>Benjamin Black</b> (College of Engineering)		P4	5	Dr. Jong Eun Ryu (College of Engineering) Dr. Sipan Liu (College of Engineering)	Development of Scalable Manufacturing Processes to Improve Solar Panel Efficiency
<b>Sophie Blankenship</b> (College of Humanities and Social Sciences)		P4	6	Dr. Dru McGill (College of Humanities and Social Sciences)	Evaluating the Ephemera: Cataloging a Donated Collection at Körner's Folly
<b>Amanda Blasy</b> (College of Sciences)		P4	7	Ms. Bess Smith (College of Sciences) Dr. Cathrine Hoy (College of Sciences) Dr. David Skaar (College of Sciences)	Linkages Between Imprint Control Regions and Hepatocellular Carcinoma in the ACE Study
<b>Claire Boles</b> (College of Agriculture and Life Sciences)		P3	5	Dr. Trino Ascencio-Ibanez (College of Agriculture and Life Sciences)	Confirming the First Mastrevirus in a North American Maize Sample

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<b>Alana Boone</b> (College of Agriculture and Life Sciences)		P4	8	Dr. Eric van Heugten (College of Agriculture and Life Sciences)	Benefits of a yeast-based trace-mineral source on growth performance of weaned pigs
<b>Christina Bourne</b> (College of Sciences)		P3	6	Dr. Elisa Crisci (College of Veterinary Medicine) John Byrne (College of Veterinary Medicine)	In vitro analysis of Selenium-treated porcine alveolar macrophages upon PRRSV-2 infection
<b>Sean Brown</b> (College of Sciences)		P1	4	Dr. Stephanie Thomas (College of Veterinary Medicine) Dr. Casey Theriot (College of Veterinary Medicine)	Clostridioides difficile Toxins Alter Host Bile Acid Synthesis Pathway Gene Expression
<b>Kirstin Brown</b> (College of Agriculture and Life Sciences)	<b>Maddie Brenner</b> (College of Agriculture and Life Sciences) <b>Lucy Caldwell</b> (College of Agriculture and Life Sciences) <b>Abdullah-Ahmed Abdelkader</b> (College of Agriculture and Life Sciences) <b>Jonathan Gallagher</b> (College of Agriculture and Life Sciences)	P5	3	Mr. Peter Rizzo (Novonesis) Dr. Fernanda Santos (College of Agriculture and Life Sciences)	Enzyme Solutions for Improved Oat Milk
<b>Megan Bryenton</b> (College of Agriculture and Life Sciences)	<b>Grace Erickson</b> (College of Agriculture and Life Sciences)	P3	7	Dr. Trino Ascencio-Ibáñez (College of Agriculture and Life Sciences)	Single Stranded DNA Discovery in Fecal Matter From House Pets

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<b>Eliza Buhrman</b> (College of Agriculture and Life Sciences)	<b>Bobbi Foster</b> (College of Engineering)	P3	8	Dr. Gregory Buhrman (College of Engineering) Dr. Gabriel Harris (College of Agriculture and Life Sciences) Dr. Cyndell Gracieux-Singleton, (College of Engineering)	The Dark Side of Dark Chocolate: Quantitation of Toxic Heavy Metals in Dark Chocolate by ICP-MS
<b>Thanh Thuy Bui</b> (College of Engineering)		P4	9	Dr. Praveen Kolar (College of Engineering)	Use of Coffee Chaff-Derived Biochar for the Adsorptive Mitigation of Methylene Blue
<b>Sophia Burgess</b> (College of Sciences)		P5	4	Dr. Johnathan Lindsey (College of Sciences)	Radiopharmaceutical Treatment Strategy for Glioblastoma
<b>Jared Caddell</b> (College of Sciences)		P2	7	Dr. Fiona Wang (College of Education)	Discrepancies Between Senior Entrepreneurs and Younger Audiences
<b>Gray Calaway</b> (College of Engineering)		P5	5	Dr. Julio Terán (College of Engineering) Dr. Olgha Qaqish (College of Engineering)	Effects of Multiple Polymer Degradation Pathways within Compost Conditions
<b>Meggie Cangu</b> (College of Sciences)		P5	6	Dr. Xingcheng Lin (College of Sciences)	Exploring Molecular Dynamics: Leveraging Visual Molecular Dynamics for Simulation Analysis
<b>Gabriel Castro</b> (College of Sciences)		P5	7	Dr. Yi Xiao (College of Sciences)	Screening the Optical Properties of Dyes for Application in Aptamer-Based Dye-Displacement Assays.

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<b>Ashlynn Chaney</b> (College of Agriculture and Life Sciences)		P1	5	Dr. Tara Clarke (College of Humanities and Social Sciences) Dr. Lydia Greene (Duke University)	Impacts of Cellulose Fiber Supplements on Gut Microbiomes of Captive Lemur Populations
<b>Brenda Cristina Chavez</b> (College of Engineering)		P1	6	Dr. Veronica Catete (College of Engineering) Madison Thomas (College of Engineering) Erynn Elmore (College of Engineering) Micaha Dean Hughes (College of Education)	Cybersecurity Pedagogy: Exploration Of Effective Teaching Methods For Engaging Middle School Learners
<b>Mansi Chawla</b> (College of Sciences)		P2	8	Dr. Imara Perera (College of Agriculture and Life Sciences) Ms. Aurora Toennisson	Investigating Plant Growth Promotion by Azospirillum Microbes
<b>Mrunmayi Chawnekar</b> (College of Agriculture and Life Sciences) <b>Ethan Johnson</b> (College of Agriculture and Life Sciences) <b>Aidan McElligott</b> (College of Agriculture and Life Sciences) <b>Lottie Pate</b> (College of Agriculture and Life Sciences) <b>Sarah Williams</b> (College of Agriculture and Life Sciences)		P2	9	Dr. Fernanda Santos (College of Agriculture and Life Sciences) Dr. Lynette Johnston (College of Agriculture and Life Sciences) Carl Hollifield (College of Agriculture and Life Sciences)	Evaluating the Efficacy of SSOPs of a Dairy Plant



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<b>Katherine Cherry</b> (College of Sciences)		P2	10	Dr. Catherine Davis (College of Sciences)	Planktic Foraminiferal Response to the 2014-2015 Marine Heatwave in the Santa Barbara Basin
<b>Seeva Cherukuri</b> (College of Engineering)		P1	7	Dr. Sarah Shelton (College of Engineering)	Microfluidic Organ-on-Chip Models: Investigating Capillary Network Formation and Metastatic Processes
<b>Esme Chiara</b> (College of Sciences)		P3	9	Jennie Fagen (College of Agriculture and Life Sciences)	Improving the Production of 19 <i>Xanthomonas citri</i> pv. <i>citri</i> Bacteriophages
<b>Isaac Cho</b> (College of Sciences)		P2	11	Dr. Jun Ohata (College of Sciences) Mohammad Nuruzzaman (College of Sciences)	Nonaqueous Bioconjugation in Fluoroalcohol and Solvent-Free Medium
<b>Christian Choto</b> (College of Sciences)	<b>Priyanka Amalean</b> (College of Sciences) <b>Alyssa Weeks</b> (College of Natural Resources)	P4	10	Dr. Skylar Hopkins (College of Agriculture and Life Sciences)	Parasite Biodiversity in Snake Species Native to North Carolina
<b>Brooke Church</b> (College of Sciences)		P1	8	Dr. Reade Roberts (College of Sciences)	Genetic Sex Determination: Mapping Within Malawi Sand Cichlids
<b>Rex Colvard</b> (College of Engineering)		P5	8	Dr. Michael Dickey (College of Engineering) Dr. Peter Fedkiw (College of Engineering)	Utilizing Liquid Metal and Red Phosphorus in Energy Storage Technology
<b>Andrew Combs</b> (College of Engineering)		P5	9	Dr. Ross Sozzani (College of Agriculture and Life Sciences)	Self Attention Graph Exporter for Causal Relationship Analysis in Biological Systems

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<b>Erick Contreras</b> (University College)	<b>Caroline Hilliard</b> (College of Humanities and Social Sciences) <b>Rena Lustig</b> (College of Humanities and Social Sciences) <b>Mariam Mohamed</b> (College of Humanities and Social Sciences)	P1	9	Samantha Rich (University College) Madalene Compton (University College) Ms. Cameron Torrey (College of Education) Ms. Sydney Russell (College of Education)	An Assessment of Students' On-Campus Employment Experiences within DASA
<b>Lauren Conway</b> (College of Natural Resources)	<b>Millie McInnes</b> (College of Natural Resources)	P2	12	Dr. Angela Allen (College of Natural Resources)	Qualitative Analysis to Existing Water Quality Monitoring
<b>Natalie Coon</b> (College of Engineering)	<b>Alexandra Peevy</b> (College of Engineering) <b>Nathaniel Rogalski</b> (College of Engineering)	P5	10	Dr. Steven Shannon (College of Engineering)	Design and Fabrication of a High Aspect Ratio Sensor for Semiconductor Manufacturing
<b>KC Cooper</b> (College of Veterinary Medicine)		P2	13	Dr. Casey Theriot (College of Veterinary Medicine) Sam McMillian (College of Sciences)	Validation of Clostridium sporogenes and Genetically Modified Strain MF001 with Bile Acid Inducible (bai) Operon Knock In
<b>Dalton Crocker</b> (College of Sciences)		P4	11	Dr. Christopher Halweg (College of Sciences) Dr. Christopher Halweg (College of Sciences) Dr. Whitney Jones (College of Sciences)	Introducing 3D Printed Models to Improve Student Understanding of the Lac Operon

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<b>Victoria Crunkleton</b> (College of Engineering)		P5	11	Dr. Yaroslava (College of Engineering)	Atomistic Approach to Analyze Metal-Coordinated Peptide Amphiphiles with Different Tail Architectures
<b>Raven Cummings</b> (College of Agriculture and Life Sciences)	<b>Amelia Faust</b> (College of Natural Resources)	P2	14	Dr. Erin McKenney (College of Agriculture and Life Sciences)	Beach Erosion Impacts on the NC Coast
<b>Kyle Curley</b> (College of Engineering)		O2	3210-1	Dr. Ryan Sartor (College of Agriculture and Life Sciences) Ms. Cassidy Robinson (College of Agriculture and Life Sciences)	Lemna Gibba Image Segmentation and Analysis
<b>Evan Dadson</b> (College of Sciences)		P1	11	Dr. Chris Jones (College of Natural Resources)	PoPS Model Case Study: Forecasting the Spread of Citrus Black Spot
<b>Laura Dale</b> (College of Agriculture and Life Sciences)		P1	12	Dr. Colleen Doherty (College of Agriculture and Life Sciences) Ms. Edmaritz Hernandez Pagan (College of Agriculture and Life Sciences)	Exploring the Potential of Phytomining Rare Earth Elements to Promote Sustainability
<b>Shania Dantes</b> (College of Engineering)		P5	12	Dr. Sarah Shelton (College of Engineering)	Applications of Microfluidic Organ-on-chip Devices
<b>Ashish Das</b> (College of Sciences)		P1	13	Dr. Stepan Paul (College of Sciences)	Classifying Geodesics on Surfaces of Revolution with Constant Negative Gaussian Curvature

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<b>Atli Davidsson</b> (College of Sciences)		P1	14	Dr. Thomas Theis (College of Sciences)	Pyruvate Hyperpolarization Advancement in Biocompatible Solvent via Reversible Exchange Signal Amplification
<b>Gianna Deucher</b> (College of Engineering)		P1	15	Dr. Shawn Gomez (College of Engineering) Dr. Chinmaya Joisa (UNC-CH) Dr. Kevin Chen (UNC-CH)	Differentially Expressed Genes and Dysregulated Biological Pathways in Colonic Inertia
<b>Juhi Dighe</b> (College of Humanities and Social Sciences)		P2	15	Dr. Dmitri Mitin (College of Humanities and Social Sciences)	Perceptions of Political Efficacy/Social Exclusion Among Muslims and Hindus in India
<b>Avery DiPasquale</b> (College of Agriculture and Life Sciences)	<b>Taylor Moen</b> (College of Agriculture and Life Sciences)	P3	10	Dr. Natalie Cooke (College of Agriculture and Life Sciences) Ms. Christina Chapman (College of Agriculture and Life Sciences)	Exploring Students' Professional SMART Goals: Insights After Completing a Career Development Project
<b>Landon Docherty</b> (College of Sciences)		P1	16	Dr. Fatma Terzioglu (College of Sciences)	Investigation of Computational Methods for Inverse Problems in Imaging
<b>Zachary Dubner</b> (College of Agriculture and Life Sciences)		P4	12	Dr. Carlos Goller (College of Agriculture and Life Sciences)	Leveraging Bioinformatics Workflows to Uncover Novel Biological Characteristics and Comparative Genomics
<b>Daniela Duker</b> (College of Sciences)		P1	17	Dr. Erin Krupa College of Education	: Staying Organized as a Research Assistant

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<b>Brooke Dunkley</b> (College of Engineering)		O4	3210-1	Dr. Jacqueline Cole (College of Engineering) Kyla Bosh (College of Engineering)	Brachial Plexus Birth Injury Effects on Biceps, Supraspinatus, and Subscapularis Muscle Composition
<b>Kenyon Dunlap</b> (College of Sciences)		P2	16	Dr. Vincent Lindsay (College of Sciences) Joshua Hobbs (College of Sciences)	Rearrangement of Unique Bis(cyclopropyl) Ethers Derived from Cyclopropanones into Biologically Relevant Spirocyclic Derivatives
<b>Lauren Dunlap</b> (College of Engineering) <b>Mary Hoult</b> (College of Engineering) <b>Nethra Vasudevan</b> (College of Engineering)		P4	13	Dr. Thomas LaBean (College of Engineering) Dr Nikolay Frick, (College of Engineering)	Electromagnetically Aligning Ni@Au Core-Shell Microparticles for Enhanced Efficiency of Electronic Connections
<b>Ryan Eavenson</b> College of Education		P2	17	Dr. Lingfeng He (College of Engineering)	Accelerating Qualification of New Materials for Molten Salt Reactors: an Experimental Design Approach
<b>Susan Edelstein</b> (College of Sciences)		P4	14	Dr. Arianna Soldati (College of Sciences)	Investigating the Irregularity of Rhyolitic Columnar Joint Formation via the Devil's Honeycomb
<b>Rachel Edwards</b> (College of Sciences)	<b>Willamina Ingle</b> (College of Sciences)	P5	13	Dr. Michael Sikes (College of Sciences) Ms. Lisa Metzger (College of Agriculture and Life Sciences)	Upstream Stimulatory Factor's Impact on Etoposide Resistance

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<b>Adam Ehmke</b> (College of Sciences)	<b>Sydney Gardner</b> (College of Sciences) <b>Alexander Parillo</b> (College of Sciences) <b>Vi Greene</b> (College of Sciences) <b>Francis Vial</b> (College of Sciences)	P3	11	Dr. Lisa Paciulli (College of Sciences) Dr. Adam Hartstone-Rose (College of Sciences)	Exploring Demodex Mites on Captive Lemurs
<b>Kareem El Saleh</b> (College of Sciences)		P1	18	Dr. Jane Hoppin (College of Sciences) Sarah Colley (College of Sciences)	Elevated PFAS Levels: Insights from the GenX Exposure Study
<b>Ashlynn Eurey</b> (College of Agriculture and Life Sciences)	<b>Dani Huston</b> (College of Agriculture and Life Sciences) <b>Alexandra Casiano Rivera</b> (College of Natural Resources) <b>Grace Kayler</b> (College of Sciences)	P3	12	Dr. Shweta Trivedi (College of Agriculture and Life Sciences) Dr. Marnie Metzler (College of Veterinary Medicine) Ms. Sarah Kinlaw (College of Veterinary Medicine) Ms. Sina Mahs, (College of Veterinary Medicine)	A Lab Animal Research Study- Can Old Dogs Learn New Tricks?
<b>Jackson Evans</b> (College of Agriculture and Life Sciences)		P1	19	Dr. Sanjay Shah (College of Agriculture and Life Sciences)	Retrofitting Tachometer and Bluetooth Display for Poultry House Exhaust Fan Efficiency Analysis
<b>Rushi Faldu</b> (College of Engineering)		P1	20	Dr. Xincheng Lin (College of Sciences)	Dimension Reduction in Protein Folding Analysis by Bayesian Inference Method
<b>Rachel Falkowski</b> (Wilson College of Textiles)		P5	14	Dr. Tova Williams (Wilson College of Textiles) Michele Schmidt (Wilson College of Textiles)	Modifying Carminic Acid to Enhance its Hydrophobicity for Waterless Textile Dyeing

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<b>Brady Farlow</b> (College of Agriculture and Life Sciences)		P4	15	Dr. Asher Hudson (College of Agriculture and Life Sciences) Dr. Peter Balint-Kurti (College of Agriculture and Life Sciences)	Maize Hybrid Heterotic Effects in flg22 Response via ROS and Gene Expression
<b>Chloe Farrell</b> (College of Natural Resources)	<b>Angela Hernandez Garcia</b> (College of Sciences) <b>Lauren Sims</b> (College of Sciences)	P2	18	Dr. Erin McKenney (College of Agriculture and Life Sciences)	Power in the Pollinators
<b>Joshua Farrelly</b> (College of Engineering)		P5	15	Dr. Jacqueline Cole (College of Engineering) Kyla Bosh (College of Engineering)	Brachial Plexus Birth Injury Effects on Biceps, Supraspinatus, and Subscapularis Spindle Morphology
<b>Edward Ferreira</b> (College of Engineering)		P3	13	Dr. Sajjad Bigham (College of Engineering)	Design of High Flux Solar Simulator
<b>Anna Fertin</b> (College of Humanities and Social Sciences)	<b>Noora Moghazi</b> (College of Humanities and Social Sciences) <b>Dipali Shrivastava</b> (College of Humanities and Social Sciences)	P5	16	Dr. Daniel Gruehn (College of Humanities and Social Sciences) Caitlin Reynolds (College of Humanities and Social Sciences) Jen Fredette (College of Humanities and Social Sciences)	Critical Thinking in College: Credit Hours Matter
<b>Jordyn Fishkin</b> (College of Agriculture and Life Sciences)		P2	19	Dr. Michael B. Goshe (College of Agriculture and Life Sciences)	Developing a Spectroscopic Assay to Measure Disulfide Bond Changes During Protein Aggregation

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<b>Peyton Fitts</b> (College of Sciences)		P3	14	Dr. Catherine Davis (College of Sciences)	Reanalyzing Shelled Zooplankton Samples to Test Effectiveness of Commonly Used Preservation Methods
<b>Natalie Flack</b> (College of Sciences)		P5	17	Dr. Kelly Meiklejohn (College of Veterinary Medicine) Teresa M Tiedge (College of Veterinary Medicine)	Probabilistic Genotyping Software Analysis using Mixed Canine STR Profiles
<b>Sarah Fletcher</b> (College of Sciences)		P4	16	Dr. John Meitzen (College of Sciences)	Identification of Mast Cells in the Female and Male Rat Nucleus Accumbens.
<b>Garett Fox</b> (College of Engineering)		P2	20	Dr. Lucie Guertault (College of Agriculture and Life Sciences) Dr. Celso Castro-Bolinaga (College of Agriculture and Life Sciences)	Upgrading the AutoJET Device to Automate Jet Erosion Tests
<b>Tatiana Frontera</b> (College of Natural Resources)	<b>Graham Royal</b> (College of Sciences) <b>John Hendrix</b> (College of Agriculture and Life Sciences)	P2	21	Dr. Erin McKenney (College of Agriculture and Life Sciences)	Roots to Ruins: Navigating the Path of Deforestation
<b>Casey Fry</b> (College of Humanities and Social Sciences)		P1	21	Dr. Tate Paulette (College of Humanities and Social Sciences) Dr. Kathryn Grossman (College of Humanities and Social Sciences)	Roman Archaeology Lab



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<b>Lindsey Frye</b> (College of Agriculture and Life Sciences)		P3	15	Dr. Andrew Weaver (College of Agriculture and Life Sciences)	Veterinary Internship at a Spay and Neuter Nonprofit
<b>Olivia Fulcher</b> (College of Natural Resources)	<b>Lauren Conway</b> (College of Natural Resources) & (College of Sciences) <b>Alyssa Paul</b> (College of Natural Resources) <b>Bryce Carleton</b> (College of Natural Resources)	P4	17	Dr. Elizabeth Guthrie Nichols (College of Natural Resources)	Is PFAS Present in Rocky Branch Creek Near Lee Residence Hall?
<b>Mataeus Funderburk</b> (College of Sciences)		P3	16	Dr. Seema Sheth (College of Agriculture and Life Sciences) Dr. William Morris (Duke University) Dr. Natalie Kerr (Duke University) Aeran Coughlin (Duke University)	Salinity Tolerance of <i>Dionaea muscipula</i> in the Context of Saltwater Intrusion
<b>Shiva Gadireddy</b> (College of Engineering)		P2	22	Dr. Tiffany Barnes (College of Engineering) Ms. Heidi Reichert (College of Engineering ) Benyamin Tabarsi (College of Engineering)	Integrating LLMs into Computing Education: a Systematic Literature Review

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<b>Mary Gallaher</b> (College of Engineering)		P3	17	Dr. Jason Forman (University of Virginia) Corina Espelien (University of Virginia) Ruyun Jin (University of Virginia)	Seat Belt Counseling Prevalence from National Survey Data 2009-2015
<b>Mikael Gallego</b> (College of Sciences)		O1	3210-1	Dr. William Ditto (College of Sciences) Dr. John Lindner (College of Sciences)	Disorder Taming Chaos in Coupled Pendulum Arrays
<b>Meredythe Galliher</b> (College of Humanities and Social Sciences)		P3	18	Dr. Sarah Ascienzo (College of Humanities and Social Sciences)	Black Women's Mental Health Study: Sis, are You OK?
<b>Carter Gamble</b> (College of Engineering)		P5	18	Dr. Jacqueline Cole (College of Engineering)	Validation of Flow Parameters in a Bone-Vascular Microdevice.
<b>Karla Garcia</b> (College of Sciences)		P5	19	Dr. Richard Venditti (College of Natural Resources) Autumn Reynolds (College of Natural Resources)	Fractionation of OCC as a Pretreatment to Oxygen Delignification
<b>Kevin Garcia-Diaz</b> (College of Natural Resources)		P5	20	Dr. Richard Venditti (College of Natural Resources)	Biodegradation and Composting Assessment of Biobased Materials
<b>Natalie Garrett</b> (College of Natural Resources)	<b>Gianna Colonna</b> (College of Sciences)	P2	23	Dr. Erin McKenney (College of Agriculture and Life Sciences)	Urban Sprawl
<b>Sophia Gay</b> (College of Agriculture and Life Sciences)		P5	21	Dr. Justin Whitehill (College of Natural Resources) Angela Chiang (College of Natural Resources)	Assessing Conifer Seed Viability and Gene Isolation for Autoluminescent Christmas Tree Development

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<b>Embla Georgesdottir</b> (College of Natural Resources)	<b>Dana Sanderson</b> (College of Natural Resources) <b>Adam Ernest</b> (College of Natural Resources) <b>Jack Wagner</b> (College of Natural Resources)	P4	19	Dr. Elizabeth Guthrie Nichols (College of Natural Resources)	PFAS Quantification in Rocky Branch Creek between Gorman Street and Varsity Drive.
<b>Justin Gilleland</b> (College of Agriculture and Life Sciences)		P5	22	Dr. Deepti Salvi (College of Agriculture and Life Sciences) Urvi Shah (College of Agriculture and Life Science)	Microbial Inactivation by Atmospheric Pressure Plasma and Quality Effects on Shell Eggs
<b>Jeff Gillette</b> (College of Agriculture and Life Sciences)	<b>Joseph Harrington</b> (College of Agriculture and Life Sciences) <b>Sam Broadwell</b> (College of Agriculture and Life Sciences) <b>Olivia Gordon</b> (College of Agriculture and Life Sciences) <b>Chloe Wilder</b> (College of Agriculture and Life Sciences)	P2	24	Armando Gaspar (Novonesis) Dr. Fernanda Santos (College of Life Sciences)	Malting With Enzyme Assisted Brewing
<b>Luke Gladden</b> (College of Natural Resources)		P1	22	Dr. Angela Allen (College of Natural Resources)	Observation of Trash Impact on Local Waterways Through Experimental Data
<b>Chloe Glynn</b> (College of Sciences)	<b>Rachel Culbertson</b> (College of Sciences)	P3	19	Dr. Lisa Paciulli (College of Sciences) Jeni Smithson (College of Sciences) Jade McLain (College of Sciences) David Watts (Federal Law Enforcement Training Centers)	Captive Aye-aye ( <i>Daubentonia madagascariensis</i> ) Mother Vocalizations After Giving Birth

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<b>Drake Gomez</b> (College of Humanities and Social Sciences)		P1	23	Dr. Maura Nsonwu (College of Humanities and Social Sciences)	No Crying in Sports: The Playbook of Athlete Trafficking
<b>Valeria Gonzalez Perez</b> (College of Sciences)		P3	20	Dr. Roland Kays (College of Natural Resources)	The Aggressive Coyote, Examining Coyote Aggressive Behavior Towards Humans and Pets
<b>Reshma Goud</b> (College of Agriculture and Life Sciences)		P3	21	Dr. Trino Ascencio-Ibáñez (College of Agriculture and Life Sciences)	Completing the Puzzle: Genome Sequencing of Tomato Lanai
<b>Laura Graham</b> (College of Natural Resources)	<b>Kayla Ruff</b> (College of Natural Resources)	P4	20	Dr. Lara (College of Natural Resources)	Assessment of Native and Introduced Species on Rocky Branch Greenway
<b>Alex Graham</b> (College of Engineering)	<b>Jacob Mast</b> (College of Engineering) <b>Aaliyah Zuniga</b> (College of Engineering)	P4	21	Dr. Maria Avramova (College of Engineering) Dr. Kostadin Ivanov (College of Engineering) Baxter Durham (Westinghouse Electric Company) Blaine Taylor (Westinghouse Electric Company)	Thermal Power Uprate Fuel Management Studies for a Westinghouse 4-Loop PWR
<b>Dylan Gretok</b> (College of Engineering)		O1	3221-1	Dr. Jay Cheng (College of Engineering)	Direct Transesterification of Ethanol Impregnated Microalgae Under Microwave Mediated Supercritical CO <sub>2</sub> Conditions
<b>Lucy Grindstaff</b> (College of Engineering)		P2	25	Dr. Andrew Lee (College of Engineering)	Collecting Strain Data from Composite Tape Springs

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<b>Allison Guild</b> (College of Humanities and Social Sciences)		P3	22	Dr. Ian Hughes (College of Humanities and Social Sciences)	How Employee Contact with Nature during the Workday Influences Work Outcomes
<b>Sarah Gullion</b> (Wilson College of Textiles)	<b>Youssef Kozman</b> (Wilson College of Textiles)	P3	23	Dr. Xiaomeng Fang (Wilson College of Textiles) Robert Seevers (Wilson College of Textiles)	Development of a Biomimetic Soft Robotic Tongue Actuated by Fiber-shaped Pneumatic Muscles
<b>Emma Hailey</b> (College of Agriculture and Life Sciences)	<b>Sydney Minch</b> (College of Agriculture and Life Sciences) <b>Moriah Williams</b> (College of Agriculture and Life Sciences)	P3	24	Dr. Suzanne Leonard (College of Agriculture and Life Sciences)	Exploratory Analysis of Feeding and Drinking Behavior in Relation to Weight Gain for Newly Weaned Pigs
<b>Emma Hailey</b> (College of Agriculture and Life Sciences)	<b>Sophia Jodka</b> (College of Sciences) <b>Madison Manzo</b> (College of Agriculture and Life Sciences) Diana Dabdub	P3	25	Dr. Shweta Trivedi (College of Agriculture and Life Sciences)	Identifying Prevalent Myths regarding Veterinary Admissions among Pre-Veterinary Track Students
<b>Suzannah Hale</b> (College of Agriculture and Life Sciences)		P5	23	Helena Jolly (College of Agriculture and Life Sciences) Zachary Everson (College of Agriculture and Life Sciences)	Mealybug Crawler Emergence Following Imidacloprid Application
<b>Omia Haroon</b> (College of Humanities and Social Sciences)		P1	24	Dr. Jennifer Carroll (College of Humanities and Social Sciences)	Structures, Stress, and Success: Primary Care Practitioners' Perceptions of Obesity

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<b>Garrett Harris</b> (College of Agriculture and Life Sciences)		P1	25	Dr. Driss Elhanafi (College of Engineering)	Establishment of Yeast Surface Display System for the Identification of Oversecreting Mutants
<b>Allison Haynes</b> (College of Agriculture and Life Sciences)		P1	26	Dr. Colleen Doherty (College of Agriculture and Life Sciences) Dr. Kanjana Laosuntisuk (College of Agriculture and Life Sciences)	Physiological Responses to Rare Earth Elements in Pokeweed
<b>Isabella Heckman</b> (College of Sciences)	<b>Diya Patel</b> (College of Sciences)	P4	22	Dr. Jonathan Olson (College of Sciences) Bella Condo (College of Sciences)	Helicobacter pylori VacA toxin may be the Cause of Gastric Cancer
<b>Sarah Helderman</b> (College of Humanities and Social Sciences)	<b>Caroline Hilliard</b> (College of Humanities and Social Sciences)	P1	27	Dr. Laura Widman (College of Humanities and Social Sciences)	Using Facebook to Recruit and Facilitate Parent Advisory Groups: Lessons Learned
<b>Maeve Hennessy</b> (College of Humanities and Social Sciences)		P4	23	Dr. Haddy Njie (College of Humanities and Social Sciences)	Gambian Girl Power - An Intervention for Girls' Education and Empowerment
<b>Ransom Hill</b> (College of Sciences)		P2	26	Dr. Yi Xiao (College of Sciences)	Screening of Organic Dyes for use in Colorimetric Point-of-Care Aptamer Based Sensors
<b>Breyton Hill</b> (College of Agriculture and Life Sciences)		P4	24	Dr. Anna Stepanova (College of Agriculture and Life Sciences) Katie Vollen (College of Agriculture and Life Sciences)	Developing a CRISPR/Cas12a Mediated Gene Targeting protocol in Arabidopsis

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<b>Veronica Hill</b> (College of Agriculture and Life Sciences)		P4	25	Dr. Tom Makris (College of Agriculture and Life Sciences) Hannah Gering (College of Agriculture and Life Sciences)	An Investigation into the Mechanism of the Cytochrome P450, CYP12I
<b>Jason Hoffman</b> (College of Engineering)		P5	24	Dr. Kenneth Granlund (College of Engineering)	On-axis comparison of Conventional Beamforming for Phased Microphone Arrays
<b>Aalsey Hopkins</b> (College of Humanities and Social Sciences)		O2	3221-2	Dr. Holly Hurlburt (College of Humanities and Social Sciences)	Napoleon the Machiavellian
<b>Lilyanna Hopkins</b> (College of Sciences)		P1	28	Dr. Shobhan Gaddmeedhi (College of Sciences) Dr. Siyuan Su (College of Sciences)	Circadian Clock Disruption, Climate Change and Arsenic on Cardiovascular Toxicity
<b>Ainsley Horton</b> (College of Agriculture and Life Sciences)		P1	29	Dr. Colleen Doherty (College of Agriculture and Life Sciences) Blake Horton College of Agriculture and Life Sciences)	Cold Promoter Cloning: Cloning, incorporating, and validating the E2 construct
<b>Cole Howard</b> (College of Engineering)	<b>Joshua Yagozinski</b> (College of Engineering)	P4	26	Dr. Jason Hou (College of Engineering)	Combined Lattice Physics Fuel Management Optimization for Boiling Water Reactors
<b>Chris Howard</b> (College of Sciences)		P5	25	Dr. Caroline Proulx (College of Sciences) Molly Carter (College of Sciences)	Formation of N1, N2-Dialkylated Azapeptide Atropisomers via Sequential Alkylations of Azapeptides

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<b>Brian Hua</b> (College of Engineering)		P5	26	Dr. Jacqueline Cole (College of Engineering) Kyla Bosh (College of Engineering)	Alterations to Shoulder Muscles following Brachial Plexus Birth Injury
<b>Ben Hutchins</b> (College of Natural Resources)	<b>Chase Bond</b> (Exploratory Studies)	P2	27	Dr. Erin McKenney (College of Agriculture and Life Sciences)	Water Pollution
<b>Sarah Isenhour</b> (College of Humanities and Social Sciences)		P1	30	Dr. Michaela DeSoucey (College of Humanities and Social Sciences)	"Dear Tripadvisor Member": Analyzing Tripadvisor reviews of UNESCO Sites of Conscience
<b>Sarah Isenhour</b> (College of Humanities and Social Sciences)	<b>Colin Mayhorn</b> (College of Humanities and Social Sciences) <b>Caroline Wilbourne</b> (College of Humanities and Social Sciences) <b>Devon Oepen</b> (College of Humanities and Social Sciences)	P5	27	Dr. Anna Maria Behler (College of Humanities and Social Sciences)	Cognitive Effort and Attitudes About Artificial Intelligence (AI)
<b>Alexandra Istishin</b> (College of Sciences)		P4	27	Dr. Xinxia Peng (College of Veterinary Medicine) Kristen John (College of Sciences)	Development of Human Long Noncoding RNA Knockdown Cell Lines using CRISPRi
<b>Yume Iwakura</b> (College of Sciences)		P4	28	Dr. Jun Ohata (College of Sciences) Seiya Ishizawa (College of Sciences)	Serine-Selective Labeling for Antibody Drug Conjugate Applications
<b>Saurav Jain</b> (College of Engineering)		P1	31	Dr. Gregory Mckenna (College of Engineering) Dr. Kyle Camarda (University of Kansas)	Simulation of a Chemical Plant to Produce H <sub>2</sub> O <sub>2</sub> using ASPEN Plus



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<b>Nithya Janapati</b> (College of Engineering)		P3	26	Dr. Bitu Akram (College of Engineering)	Integrating AI Core Concepts with K-12 STEM Education
<b>Morgan Jeter</b> (College of Agriculture and Life Sciences)		O3	3210-2	Dr. Breanna Sheahan (College of Veterinary Medicine) Dr. Lilly Haywood, (College of Veterinary Medicine)	Comparing PER1 and SLC5A7 expression in Rectal Tissue from Horses with Colitis and Healthy Horses
<b>Hannah Jewett</b> College of Sciences) & (College of Agriculture and Life Sciences) <b>Giannah Downen</b> (College of Sciences) & (College of Agriculture and Life Sciences)		P3	27	Dr. Michael Goshe (College of Agriculture and Life Sciences)	Exploring the Progression and Prevention of Alzheimer's Disease: Amyloid- $\beta$ & Tau Protein Aggregation
<b>Alexa Jimenez</b> (College of Engineering)		P3	28	Dr. Hayley Flores (College of Engineering)	Optimized Cryopreservation Process for E. coli Cell Bank Generation
<b>Sydney Johnson</b> (College of Agriculture and Life Sciences)		P3	29	Dr. Suzanne Goodell (College of Agriculture and Life Sciences) Aygul Akhmadullina (College of Agriculture and Life Sciences)	The Rollercoaster of Conflict in a Caregivers of Autistic Children Facebook Group
<b>Alex Johnson</b> (College of Sciences)		P4	29	Dr. Kasey Wagoner (College of Sciences)	Effects of Various Forces, Environment, and Launch Angles on Batted Baseball Trajectories

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<b>Kelis Johnson</b> (College of Humanities and Social Sciences)		P4	30	Dr. Ami Zota (Columbia University) Dr. Lariah Edwards (Columbia University)	Unveiling Social Health Factors in Natural Hair Care for Women of Color
<b>Kanak Joshi</b> (College of Engineering)		P4	31	Dr. Hangjie Ji (College of Sciences)	Diffusion Probabilistic Models for Droplet Coalescence
<b>Emily Joyner</b> (College of Sciences)		P4	32	Dr. Jun Ohata (College of Sciences)	Structure-Reactivity Relationship Study for Tryptophan Modification in Hexafluoroisopropanol
<b>Alina Jugan</b> (College of Engineering)	<b>Caden Sekelsky</b> (College of Engineering) <b>Jake Mikouchi-Lopez</b> (College of Engineering)	P4	33	Dr. Maria Avramova (College of Engineering) Dr. Kostadin Ivanov (College of Engineering)	Analysis of Thermal Uprates for a 2-Loop Pressurized Water Reactor
<b>Veronika Juylova</b> (College of Sciences)	<b>Benjamin Hanestad</b> (College of Sciences)	P3	30	Dr. Jim Kneller (College of Sciences)	Galactic Supernova Neutrino Burst Signals with PUSH and SNEWPY
<b>Karen Kaiser</b> (College of Sciences)		P1	64	Dr. Jennifer Baltzegar (College of Sciences)	Comparing Different DNA Preservation Methods
<b>Gouri A. Kallambella</b> (College of Sciences)		P5	29	Dr. Kelly Lynn Mulvey (College of Humanities and Social Sciences)	Children's Peer Conflicts: A Participatory Science Observational Study

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<b>Arushee Kamra</b> (College of Engineering)		P1	32	Dr. Amanda Ziegler (College of Veterinary Medicine) Halle J. Lutz (College of Veterinary Medicine) Madison Caldwell (College of Veterinary Medicine) Dr. Ashley C. Brown (College of Engineering)	Determining the Efficacy of IPEC-J2-Derived Exosomes on Intestinal Epithelial Wound Healing
<b>Arushee Kamra</b> (College of Engineering)		P5	30	Dr. Ashley C. Brown (College of Engineering) Halle J. Lutz (College of Veterinary Medicine)	In Vivo Efficacy of Fibrin-Specific Nanogels in a Rat Model of Sepsis-Induced DIC
<b>Maria Kanton</b> (College of Agriculture and Life Sciences)		P2	28	Dr. Shaomin Tian (UNC-CH) Dr. Jillian Perry (UNC-CH)	In Situ Detection of Virus-Specific Immunity in the Skin Using 3D-Printed Microneedle Patches
<b>Vennela Katta</b> (College of Agriculture and Life Sciences)		P4	34	Dr. Robert Rose (College of Agriculture and Life Sciences)	Mutating OGC to increase carbon fixation and reduce atmospheric CO2
<b>Sanjana Kedla</b> (College of Humanities and Social Sciences)		P3	31	Dr. Christopher Mayhorn (College of Humanities and Social Sciences) Douglas Jonidis (College of Humanities and Social Sciences)	Exploring the Psychological Implications of Prolonged Generative AI Reliance for Emotional Support
<b>Alianna Kendall-Brooks</b> (College of Humanities and Social Sciences)		P4	35	Dr. Mark Nance (College of Humanities and Social Sciences)	Global De-risking in the Pacific Islands

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<b>Devon Kennedy</b> (College of Engineering)	<b>John Fortich</b> (College of Engineering) <b>Paarth Patel</b> (College of Engineering) <b>Nitesh Kanamarlapudi</b> (College of Engineering)	P1	33	Dr. Tiffany Barnes (College of Engineering) Yasitha Nisansala (College of Engineering)	Co-op vs. Solo Play in Block-based Educational Programming Games: A Comparative Analysis
<b>Yearim Kim</b> (College of Sciences)		P5	31	Dr. Mike Sano (College of Engineering) Robert Williamson (College of Engineering)	Reversible Electroporation in the Treatment of Cancer Cells In Vitro and In Vivo
<b>Annabelle Kim</b> (College of Sciences) & (College of Veterinary Medicine)		P5	32	Dr. Mike Sano (College of Veterinary Medicine)	Effects of Electroporation Phenomena with 3D cell cultures
<b>Josephine Kinsey</b> (College of Natural Resources)		P4	36	Dr. Elizabeth Nichols (College of Natural Resources)	How NCSU Can Improve Lab Safety for Students and Staff
<b>Catherine Kirch</b> (College of Natural Resources)	<b>Bella McInnes</b> (College of Natural Resources)	P4	37	Dr. Daniel Saloni (College of Natural Resources)	Utilizing the Extrusion Process to Create Recycled 3D Printer Filament.
<b>Hannah Kirk</b> (Wilson College of Textiles)		P4	38	Dr. Bryan Ormond (Wilson College of Textiles) Dr. Arash Kasebi (Wilson College of Textiles)	Impact of Residual Surfactants on Flammability Characteristics of Firefighter Outer Shell Fabrics

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<b>Ben Kirschner</b> (College of Agriculture and Life Sciences)		P3	32	Dr. Sujan Dawadi (College of Agriculture and Life Sciences) Dr. Steve Frank (College of Agriculture and Life Sciences)	Tree Canopy Influence on Arthropod Predators in Understory Turf Landscapes
<b>Lauren Kohler</b> (College of Engineering)	<b>Nolan Ritchie</b> (College of Engineering) <b>Noah Etter</b> (College of Engineering)	P2	29	Dr. Mihai Diaconeasa (College of Engineering)	Systems Analysis of Probabilistic Risk Assessment on NCSU Research Nuclear Reactor PULSTAR
<b>Anuja Koirala</b> (College of Sciences)		P4	39	Dr. Jun Ohata (College of Sciences) Seiya Ishizawa (College of Sciences)	Peptide Modification in Acidic, Biomolecule-Compatible Media
<b>Steven Krahe</b> (College of Humanities and Social Sciences)		P3	33	Dr. Sarah Ascienzo (College of Humanities and Social Sciences)	How Far has Personality Science Come? Personality's Statistical Relationship with Job Performance
<b>Jason Kreger</b> (College of Agriculture and Life Sciences)		P1	34	Dr. Tara Clarke (College of Humanities and Social Sciences)	Female Dominance or Power? An Examination of Intersexual Dyadic Interactions in Ring-tailed Lemurs ( <i>Lemur catta</i> ) Applying the Power Framework
<b>Francesca Kyanda</b> (College of Humanities and Social Sciences)		O4	3221-1	Dr. Kate Norwalk (College of Humanities and Social Sciences)	Hacking The System: Insights into Middle School Social Dynamics Management
<b>Brooke La Fuente</b> (College of Natural Resources)		P3	34	Dr. Megan Lupek (College of Natural Resources)	Environmental Science Classes: A Solution for Eco-Anxiety or are we all Doomed?

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<b>Reilly LaRoche</b> (Poole College of Management)	<b>Keaton Lamb</b> (College of Humanities and Social Sciences) <b>Kayla Stewart</b> (College of Humanities and Social Sciences) <b>Allison Guild</b> (College of Humanities and Social Sciences)	P1	35	Ian Hughes (College of Humanities and Social Sciences)	Morning Quality Time with Pets: Effects During and After Work
<b>Owen LaVenture</b> (College of Natural Resources)	<b>Nicolás Galvez</b> (College of Agriculture and Life Sciences)	P2	30	Dr. Erin McKenney (College of Agriculture and Life Sciences)	Energy Grid Ideas for a Changing Future
<b>Peter Lawing</b> (College of Sciences)		O4	3210-2	Dr. Jonathan Lindsey (College of Sciences) Dr. Yi Xiao (College of Sciences)	Use of Aptamer Targeting Agents for Radiopharmaceutical Treatment of Colon Cancer
<b>Anna Lawrence</b> (College of Engineering)		P1	36	Dr. Fanxing Li (College of Engineering) Hilal Bektas (College of Engineering)	High-Throughput Study of Perovskite Oxides for Chemical Looping Air Separation
<b>Robbie Leske</b> (College of Sciences)		P5	33	Dr. Daniel Dougherty (College of Sciences)	Structure and Optical Properties of CrCl <sub>3</sub> Thin Films
<b>Joseph Lewis</b> (College of Sciences)		P5	34	Dr. Seth Kullman (College of Sciences) Morgan Barnes (College of Sciences)	Increased Endocannabinoid Tone Modulates Zebrafish Adiposity and Development
<b>Julia Linville</b> (College of Sciences)		P3	35	Dr. Chistopher Gorman (College of Sciences) Juliana O'Brien, (College of Sciences)	Optimization of PAMAM Dendrimer Amino Acid Hybrid Molecule Synthesis

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<b>Jude Lomax</b> (Poole College of Management)	<b>Muhser Thayousoe</b> (Poole College of Management)	P2	31	Dr. Joseph Brazel (Poole College of Management) Dr. Carly Burd (Poole College of Management)	Quality Control in Accounting Research
<b>Wil Mabe</b> (College of Sciences)		P4	40	Dr. Ryan Paerl (College of Sciences)	Comparative Analysis of Marine Bacteria to B1 and its Vitamers
<b>Allen MacMillan</b> (College of Sciences)		P5	35	Dr. Vincent Lindsay (College of Sciences) Joanna Muir (College of Sciences)	Synthesis of Spiro[2.3]hexan-4-ones using Diphenylcyclopropyl Sulfonium Salts and 1-sulfonylcyclopropanols as Cyclopropanone Equivalents
<b>Jess Maier</b> (College of Natural Resources)		P2	32	Dr. Jodi Forrester (College of Natural Resources) Morgan Arteman (College of Natural Resources)	Canopy Gaps Provide Structural Diversity and Promote Early Successional Vegetation
<b>Joseph Majual</b> (College of Sciences)		P2	33	Dr. Javier Lopez (College of Veterinary Medicine)	The Presence and Role of Cadps in Peptidergic Nociceptors Innervating Mice Skin
<b>Jadyn Mann</b> (College of Humanities and Social Sciences)		P2	34	Dr. Tate Paulette (College of Humanities and Social Sciences)	The Transformation of the Roman Archaeology Lab
<b>Mary Pinyan</b> (College of Natural Resources)		O3	3221-1	Dr. Cassio Ussi-Monti (College of Natural Resources) Dr. Joeseeph Roise (College of Natural Resources)	Evaluating the Accuracy of Longleaf Pine Growth and Yield Models in NC

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<b>Kennedy Martin-Jones</b> (College of Humanities and Social Sciences)	<b>Nico Oriani</b> (Humanities and Social Sciences) <b>Taylor Cox</b> (Humanities and Social Sciences) <b>Ava Weddle</b> (Humanities and Social Sciences)	P5	36	Dr. Anna Maria Behler (College of Humanities and Social Sciences)	Aggression in Animated Children's Media
<b>Alejandra Martinez</b> (College of Agriculture and Life Sciences)		P2	35	Dr. Luke Gatiboni (College of Agriculture and Life Sciences) Mr. Dionata Filipi (College of Agriculture and Life Sciences)	Critical Soil Test Value of Phosphorus for Corn in North Carolina
<b>Khing Masayanon</b> (College of Agriculture and Life Sciences)		O2	3210-2	Dr. Praveen Kolar (College of Agriculture and Life Sciences)	Pine-Bark Biochar Anode for Wastewater Treatment and Electricity in Microbial Fuel Cell
<b>Benjamin Massey</b> (College of Natural Resources)	<b>Mary Claire Wise</b> (College of Natural Resources) <b>Carter Macklin</b> (College of Natural Resources) <b>Christopher Myers</b> (College of Natural Resources)	P4	41	Dr. Elizabeth Nichols (College of Natural Resources)	Determining PFAS in Surface Water on NCSU's Centennial Campus
<b>Nicolas Mastrovito</b> (College of Agriculture and Life Sciences)		P3	36	Dr. Trino Ascencio-Ibáñez (College of Agriculture and Life Sciences)	Systemic or Cell Autonomous? ARR7 Downregulation by Geminivirus Infection in Arabidopsis



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<b>Karlyn Matheson</b> (College of Agriculture and Life Sciences)		P3	37	Dr. Natalie Cooke (College of Agriculture and Life Sciences) Christina Chapman (College of Agriculture and Life Sciences) Dr. Suzie Goodell (College of Agriculture and Life Sciences)	Evaluating Nutrition Undergraduate Students' Career Readiness Using a Course-Development Learning Project
<b>Nish Mathur</b> (College of Sciences)		P1	37	Dr. Casey M. Theriot (College of Veterinary Medicine) Samantha Kisthardt (College of Agriculture and Life Sciences)	Primary and Secondary Bile Acids Affect <i>C. difficile</i> and Commensal Clostridia Differently.
<b>Robert McCann</b> (College of Agriculture and Life Sciences)		P1	38	Dr. Ryan Sartor (College of Agriculture and Life Sciences)	Lemna gibba Spectral Fingerprinting
<b>Kania McClees</b> (College of Humanities and Social Sciences)		P2	36	Dr. Issac Woods (College of Humanities and Social Sciences)	HipHop and the Effects on School-based Intervention
<b>Ruth McGee</b> (College of Agriculture and Life Sciences)		P3	38	Dr. Wei-Chen Chang (College of Sciences)	Testing the Unusual Multi-step Reaction of AsqJ and Homologous Enzymes
<b>Millie McInnes</b> (College of Natural Resources)	<b>Caroline Ruppel</b> (College of Natural Resources) <b>James Gartin</b> (College of Natural Resources) <b>Shelton Bocoook</b> (College of Natural Resources)	P4	42	Dr. Elizabeth Guthrie Nichols (College of Natural Resources)	PFAS Analysis of Surface Waters on Centennial Campus near the College of Textiles

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<b>Georgia McKay</b> (College of Humanities and Social Sciences)		P3	39	Dr. Sarah Ascienzo (College of Humanities and Social Sciences)	Secondary Traumatic Stress and Self Compassion in Mental Health Workers
<b>Grace McNair</b> (College of Sciences)		P2	37	Dr. Leslie A. Sombers (College of Sciences) Kalynn M. Turner (College of Sciences) Jenna M. Berger (College of Sciences)	Evolving the Electrode: Long-term, Real-time, Co-detection of Dopamine and Glucose
<b>Paige Meisner</b> (College of Agriculture and Life Sciences)		P3	40	Dr. Lin Xi (College of Agriculture and Life Sciences) Dr. Feng Wang (College of Agriculture and Life Sciences)	Modifying Acetyl-CoA Carboxylase and Malonyl-CoA Decarboxylase Protein Expression Alters Fatty Acid Oxidation
<b>Tia Meredith</b> (College of Agriculture and Life Sciences)	<b>Rahaf Elaklouk</b> (College of Agriculture and Life Sciences) <b>Charis Harcum</b> (College of Agriculture and Life Sciences) <b>George Tyler</b> (College of Agriculture and Life Sciences)	P3	41	Ms. Megan Watson (College of Agriculture and Life Sciences) Dr. Fernanda Santos (College of Agriculture and Life Sciences) Dr. MaryAnne Drake (College of Agriculture and Life Sciences) Carl Hollifield (College of Agriculture and Life Sciences)	Children's Perception of Milk and the Different Heat Treatments of Milk in the School Lunch Program
<b>Brandon Middlebrough</b> (College of Sciences)		P3	42	Dr. Maricar Aguilos (College of Natural Resources) Dr. John King (College of Natural Resources)	Wetlands are Shifting Inevitably: What are the Drivers of this Ecological Shift?
<b>Cary Miller</b> (College of Agriculture and Life Sciences)		P1	39	Dr. Jody Gookin (College of Veterinary Medicine) Jennifer Holmes (College of Veterinary Medicine)	Validating the Analytical Sensitivity of PCR for Diagnosis of Feline T.foetus Infection

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<b>Abby Moreland-Holsomback</b> (College of Agriculture and Life Sciences)		P2	38	Dr. Jicai Jiang (College of Agriculture and Life Sciences) NC	Chromosomal Analysis of Genetic Correlation and Multivariate Regional Heritability Mapping in Swine Performance Traits
<b>Emma Morgan</b> (College of Sciences)		P1	40	Dr. Robert Smart (College of Sciences) John Witherspoon (College of Sciences)	Genetic Susceptibility to Multistage Chemical Carcinogenesis in C57BL/6 Substrains
<b>Joslene Morgan</b> (College of Agriculture and Life Sciences)		P2	39	Dr. Melanie Simpson (College of Agriculture and Life Sciences) Emily Allego (College of Agriculture and Life Sciences)	Investigation of UDP-Glucose Dehydrogenase Protein Interactions in Prostate Cancer
<b>William Morris</b> (College of Sciences)		P3	43	Dr. Brian Space (College of Sciences) Matthew Mostrom (College of Sciences)	Demonstrating the Relevance of Many-Body VDW Effects in Molecular Simulation
<b>Rachel Morris</b> (College of Engineering)		P3	44	Dr. Matthew Fisher (College of Engineering) Margaret Easson (College of Engineering)	Biochemical and Histological Evaluation of Meniscus Following ACL Injury in Porcine Models
<b>Seth Morton</b> (College of Humanities and Social Sciences)		P5	37	Dr. Steven Greene (College of Humanities and Social Sciences)	Criminal Justice Policy Responses Toward the Opioid Epidemic

Lead Presenter	Co-Presenter(s)	Session	Room/Poster	Mentor(s)	Project Title
<b>Aditi Mudireddy</b> (College of Agriculture and Life Sciences)		P4	43	Dr. Thomas M Makris (College of Agriculture and Life Sciences) Sydney S. Skirboll (College of Agriculture and Life Sciences) Han N. Phan (College of Agriculture and Life Sciences)	Structure and Regulation of the Diiron N-oxygenase HrmI
<b>Siri Mudunuri</b> (College of Engineering)		P4	44	Dr. Alexey Gulyuk (College of Engineering) Dr. Yaroslava Yingling (College of Engineering)	Machine Learning Assisted Detection and Analysis of Plant Cellulose Synthase Proteins
<b>Xue Mullane</b> (College of Humanities and Social Sciences)	<b>Lauren Richards</b> (College of Humanities and Social Sciences)	P1	41	Dr. Laura Widman (College of Humanities and Social Sciences) Jordyn McCrimmon (College of Humanities and Social Sciences)	Sexual Consent Self-Efficacy among Youth who Identify as LGBTQ+
<b>Ashley Mullen</b> (College of Agriculture and Life Sciences)		P5	38	Dr. Arion Kennedy (College of Agriculture and Life Sciences)	Impact of Fructose Metabolism on Phospholipids in Immortalized Kupffer Cells
<b>Satya Munugoti</b> (College of Humanities and Social Sciences)		P2	40	Dr. Laura Widman (College of Humanities and Social Sciences) Dr. Jim Yocom (College of Humanities and Social Sciences)	Gender Differences in Parental Communication on Adolescent Sexual Health

<b>Lead Presenter</b>	<b>Co-Presenter(s)</b>	<b>Session</b>	<b>Room/Poster</b>	<b>Mentor(s)</b>	<b>Project Title</b>
<b>Alex Murillo</b> (College of Engineering)	<b>Aidan Flanagan</b> (College of Engineering) <b>Bryce Davis</b> (College of Engineering)	P2	41	Dr. John Zino (College of Engineering) Patrick Walther (GE Hitachi) Dr. Dale McCants, (GE Hitachi) Dr. David Holler (College of Engineering)	Enhancing Heat Transfer Using Natural Circulation Cooling
<b>Avery Murray</b> (College of Engineering)		P4	45	Mr. Zhenyuan Yu (College of Engineering) Dr. Helen (He) Huang (College of Engineering)	Hip Angle-Step Width Connection for Enhancing Lower Limb Rehabilitation Systems
<b>Emma Myer-Medina</b> (Wilson College of Textiles)		P2	42	Dr. Thomas Schroeder (Wilson College of Textiles)	Development of Highly Entangled Hydrogel Yarns via Photopolymerization
<b>Emma Myer-Medina</b> (University College)	<b>Abhinav Thakur</b> (Green Level High School)	P4	46	Rose Krebs (University College) Mr. Brian Mathis (University College)	Ten Years of Feed the Pack's Impact on Alleviating Food Insecurity
<b>Alexandra Neale</b> (College of Agriculture and Life Sciences)	<b>Maggie Anthony</b> (College of Agriculture and Life Sciences) <b>Jordan Holcomb</b> (College of Agriculture and Life Sciences)	P3	45	Dr. Fernanda Santos (College of Agriculture and Life Sciences) Rebekah Brown (College of Agriculture and Life Sciences)	Preliminary Assessment of Heavy Metals in Market-Facing Sweetpotato Products
<b>Paige Neiman</b> (College of Natural Resources)		P4	47	Dr. Kimberly Bush (College of Natural Resources) Ashley Correa (College of Natural Resources)	Women In Sport Leadership Summit: Addressing Barriers in the Women's Sport Industry

<b>Lead Presenter</b>	<b>Co-Presenter(s)</b>	<b>Session</b>	<b>Room/Poster</b>	<b>Mentor(s)</b>	<b>Project Title</b>
<b>Daniel Nevius</b> (College of Engineering)	<b>Devin Bradshaw</b> (College of Engineering) <b>Robbie Leary</b> (College of Engineering)	O1	3221-2	Dr. Scott Palmtag (College of Engineering) Steven Mirsky (NuScale Power)	Development of NuScale Power Fission Product Removal System Shielding Design for Microreactors
<b>Donovan Ngum</b> (College of Engineering)	<b>Nazar Rush</b> (College of Engineering)	P5	39	Dr. James Braun (College of Engineering)	Development and Testing of a High-Throughput 90% Hydrogen Peroxide Catalyst Bed
<b>Munish Nidadavolu</b> (College of Engineering)		P2	43	Dr. Santosh Mishra (College of Veterinary Medicine) Dr. Josh Wheeler (College of Veterinary Medicine)	Characterization and Identification of Periostin in Normal and Eczematous Skin
<b>Jake Norton</b> (College of Sciences)		O3	3210-3	Dr. Adrian Smith (College of Sciences)	Larval Locomotory Behavior of the Cat Flea ( <i>Ctenocephalides felis</i> )
<b>Annabelle Nunnally</b> (College of Sciences)		P5	40	Dr. Antonio Planchart (College of Sciences) Laura Montes (College of Sciences)	Effect of TDP-43 Knockouts on Gene Expression and Motor Function in Zebrafish
<b>Odeh, Juman</b> (College of Sciences)		P1	42	Dr. Christa Baker (College of Sciences) Emma Droste (College of Sciences)	Finding the Sweet Spot: How Different Variables Affect Male <i>Drosophila</i> 's Courtship Behavior
<b>Rebecca Olson</b> (College of Sciences)		O1	3210-2	Dr. Lisa Paciulli (College of Sciences)	Maternal Aye-aye ( <i>Daubentonia madagascariensis</i> ) Anxiety Peripartum
<b>Salma Osman</b> (College of Sciences)		P3	46	Dr. Trino Ascencio-Ibáñez (College of Agriculture and Life Sciences)	Exploring Small Molecule Inhibition: A strategy for Enhancing Resistance Against Viral Infection

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<b>Josh Ott</b> (College of Sciences)		P1	43	Dr. Vladimir Skokov (College of Sciences) Dr. Thomas Schäfer (College of Sciences) Dr. Chandrodoy Chattopadhyay (College of Sciences)	Nonequilibrium Dynamics of Model H
<b>Justin Overman</b> (College of Engineering)		P3	47	Dr. Alexander Bataller (College of Engineering)	Measuring Thermal Conductivity of Liquid Metal Utilizing Fiber Optic FDTR
<b>Lily Palmer</b> (College of Humanities and Social Sciences)	<b>Rachel Bellamy</b> (College of Humanities and Social Sciences) <b>Mariam Sanjak</b> (College of Humanities and Social Sciences) <b>Brooke Wilson</b> (College of Humanities and Social Sciences) <b>Christopher Kha</b> (College of Humanities and Social Sciences)	P5	41	Dr. Kelly Lynn Mulvey (College of Humanities and Social Sciences) Christina Marlow (College of Humanities and Social Sciences)	Investigating Children's Reasoning About Rule-Breaker's Emotions
<b>Fedora Parra</b> (College of Sciences)		P2	44	Dr. Katherine D'Amico-Willman (College of Agriculture and Life Sciences)	Assessing XapΦ1 Bacteriophage Viability Under Different Storage Conditions
<b>Anant Patel</b> (College of Engineering)		O4	3221-2	Dr. Samira Mirbagher Ajorpaz (College of Engineering)	Using Large Language Models to Learn and Improve from Microarchitecture Design and Attacks
<b>Astha Patel</b> (College of Agriculture and Life Sciences)		P2	45	Dr. Melanie Simpson (College of Agriculture and Life Sciences) Linlin (Lily) Ma (College of Agriculture and Life Sciences)	Validation of UGDH Phosphorylation by ERK2 in Prostate Tumor Cells

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<b>Kripa Patel</b> (College of Sciences)	<b>Ava Smith</b> (College of Sciences) <b>Matthew Clayton</b> (College of Sciences) <b>Maya Moll</b> (College of Agriculture and Life Sciences)	P2	46	Bradley Scholten (College of Sciences)	Assessing Livestock Farms as Sources for Antibiotic Resistant Bacteria in Songbirds
<b>Claire Patrick</b> (College of Agriculture and Life Sciences)		P5	42	Dr. Jean Ristaino (College of Agriculture and Life Sciences) Amanda Mainello-Land (College of Agriculture and Life Sciences)	Recent Migration Pattern Analysis of <i>Phytophthora ramorum</i> in Ireland
<b>Emma Payne</b> (College of Sciences)		P5	43	Dr. Christa Baker (College of Sciences) Dr. Alexandra Venuto (College of Sciences) Emma Droste (College of Sciences)	Decoding the Matrix: Investigating Synaptic Connections involved in Acoustic Communication using <i>Drosophila</i>
<b>Haley Pearce</b> (Poole College of Management)		O2	3221-3	Dr. Fiona Wang (College of Humanities and Social Sciences)	Resource Accessibility & Awareness for University Students
<b>Emelia Pearson</b> (College of Agriculture and Life Sciences)		P4	48	Dr. Maxwell Scott (College of Agriculture and Life Sciences) Dr. Akihiko Yamamoto (College of Agriculture and Life Sciences)	Expression of Female Lethality Utilizing the SxlPe-Gal4/UAS System in <i>Drosophila melanogaster</i>
<b>Jonah Peckham</b> (College of Sciences)		P5	44	Dr. Emily Lynch (NC Zoo) Dr. Jenny Campbell (College of Sciences)	Social Contexts and Rates of Glass-Hitting by Western Lowland Gorillas ( <i>Gorilla gorilla gorilla</i> ) at the North Carolina Zoo



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<b>Kermit Pennington</b> (College of Sciences)		P3	48	Dr. Patricia Estes (College of Sciences)	The TORiffic Simulation: A Look at the Relationship Between TOR and Sim.
<b>Gretchen M. Perez Castillo</b> (College of Sciences)		P4	49	Dr. Linda Hanley-Bowdoin (College of Agriculture and Life Sciences) Mary M. Dallas (College of Agriculture and Life Sciences)	The Use of Multispectral Imaging for Early Detection of CMD/CBSD in Infected Cassava Plants
<b>Madelyn Perry</b> (University College)	<b>Hunter Palmer</b> (College of Natural Resources) <b>Alejandra Flores</b> (College of Natural Resources)	P2	47	Dr. Erin McKenney (College of Agriculture and Life Sciences)	Impact on Migratory Bird Species
<b>Madigan Petri</b> (Wilson College of Textiles)		P2	48	Dr. Tova Williams (Wilson College of Textiles)	Slicing Sugars: Enzymatic Deglycosylation of Weld Dye stuff to Enhance Textile Dyeing Sustainability
<b>Emily Phillips</b> (College of Sciences)		P2	49	Dr. Leslie Sombers (College of Sciences) Dr. Chathuri De Alwis (College of Sciences)	Electroanalytical Co-Detection of Histamine and Serotonin Exocytosis Events from Single Mast Cells
<b>Maddie Pietras</b> (College of Agriculture and Life Sciences)	<b>Ashley Kim</b> (College of Agriculture and Life Sciences)	P3	49	Dr. Trino Ascencio-Ibáñez (College of Agriculture and Life Sciences)	Single-cell transcriptomics of Geminiviruses Infected Cells
<b>Anna Pollock</b> (College of Sciences)		P4	50	Dr. Amy Grunden (College of Agriculture and Life Sciences) Jabeen Ahmad (College of Agriculture and Life Sciences)	Evaluation of the Effect of Pseudomonas on Wheat Exposed to Salt Stress

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<b>Sydney Pollock</b> (College of Natural Resources)		P4	51	Dr. Jennifer Richmond-Bryant (College of Natural Resources)	Analysis of Particulate Matter Data and Chemical Classes Burned in Colfax, Louisiana
<b>Sydney Pollock</b> (College of Natural Resources)	<b>Trey Mumma</b> (College of Natural Resources) <b>Nathan Archer</b> (College of Natural Resources) <b>Thor Iverson</b> (College of Natural Resources)	P5	45	Dr. Elizabeth Guthrie Nichols (College of Natural Resources)	Presence of PFAS in Rocky Branch Creek Surface Waters near Dail Softball Stadium & Derr Track and Soccer Field
<b>Alyssa Pope</b> (College of Sciences)		P5	46	Deaja Sanders (College of Agriculture and Life Sciences) Dr. Amy Grunden (College of Agriculture and Life Sciences)	Characterization of Polyethylene Terephthalate-hydrolyzing Enzymes from <i>Bacillus subtilis</i> Isolated from Worn Polyester
<b>Bailey Popson</b> (College of Sciences)		P5	47	Dr. Kelly Meiklejohn (College of Veterinary Medicine) Melissa Scheible (College of Veterinary Medicine)	Utilizing Hybridization Capture to Sequence the Mitochondrial Genomes of Australian Blowflies (Diptera: Calliphoridae)
<b>Jeff Powell</b> (College of Sciences)		P1	44	Dr. Brian Space (College of Sciences) Dr. Adam Hogan (College of Sciences)	Many Body Van der Waals Interactions on GPUs
<b>Sahana Ramamurthy</b> (College of Engineering)		P1	45	Dr. E Javier Lopez Soto (College of Veterinary Medicine) Quiana Mosley (College of Veterinary Medicine)	Finding Cell-Specific Therapeutic Targets in Pain Sensing Neurons

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<b>Roshan Rana</b> (College of Sciences)		P1	46	Dr. Alex I. Smirnov (College of Sciences) Dr. Tatyana Smirnova (College of Sciences) Maxim A. Voinov (College of Sciences)	Spin-labeling EPR Methods for Measurements at Nanoscale Interfaces
<b>Adrianna Ras</b> (Poole College of Management)		P5	48	Dr. Nathan Goldman (Poole College of Management)	The Effects of Uncertain Tax Disclosures on Firms
<b>Oliver Rasey</b> (College of Agriculture and Life Sciences)		P1	47	Dr. Josh Strable (College of Agriculture and Life Sciences) Dr. Alejandro Aragón Raygoza (College of Agriculture and Life Sciences)	Maize Germination Responses to the Hormone Ethylene
<b>Kurt Ray</b> (College of Agriculture and Life Sciences)		P4	52	Dr. Asher Hudson (College of Agriculture and Life Sciences)	Maize Immune Response to Chitin and Live Microbes
<b>Olivia Reece</b> (College of Sciences)	<b>Paige Meadows</b> (College of Natural Resources) <b>Mckaila McMillan</b> (College of Humanities and Social Science)	P4	53	Dr. Lara Pacifici (College of Natural Resources)	Affect of Human Presence on Wildlife Biodiversity
<b>Daniel Richard</b> (College of Agriculture and Life Sciences)		P1	48	Dr. Arion Kennedy (College of Agriculture and Life Sciences)	Exploring Potential Roles of UDP-Glucose in Fructose-Treated Kupffer Cells
<b>Kevin Ritter</b> (College of Natural Resources)	<b>Ryann Stemmer</b> (University College)	P2	50	Dr. Erin McKenney (College of Agriculture and Life Sciences)	Stop The Invasion: The Spotted Lanternfly

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<b>Chloe Roberts</b> (College of Natural Resources)		O3	3221-2	Dr. Rebecca Irwin (College of Agriculture and Life Sciences) Erin Eichenberger (College of Agriculture and Life Sciences)	The Effect of Light and Leaf Litter on the Germination of Seeds in the Smooth Coneflower, <i>Echinacea laevigata</i>
<b>Akieliah Robinson</b> (College of Agriculture and Life Sciences)		P3	50	Dr. Mallory Choudoir (College of Agriculture and Life Sciences) Madaris Serrano Perez (College of Agriculture and Life Sciences)	Uncovering Agricultural Microbiomes: Isolating Microbes from NC's Center for Environmental Farming System Soil
<b>Nicholas Rojas</b> (College of Sciences)		P1	49	Dr. Ian Williamson (College of Veterinary Medicine)	Contribution of Increase in Fructose Metabolism towards Metabolic Diseases
<b>Nicole Garcia</b> (College of Natural Resources)	<b>Elena Kellt</b> (College of Natural Resources)	P3	51	Dr. Stephanie Jeffries (College of Natural Resources)	Campus Tree Tours Connect the NC State Community with Nature and Value of Trees
<b>Kaya Rosselle</b> (College of Agriculture and Life Sciences)		O1	3210-3	Dr. Stephanie Jeffries (College of Natural Resources)	Dominant Seed Dispersal Modes of Invasive Plants in a Restored Urban Stream
<b>Kaya Rosselle</b> (College of Agriculture and Life Sciences)		P1	50	Dr. Lisa (College of Agriculture and Life Sciences)	Aye-aye ( <i>Daubentonia madagascariensis</i> ) Infant Nursing During the First Days of Life
<b>Gabriel Ruiz</b> (College of Engineering)	<b>Andrea Basuroski</b> (College of Engineering) <b>Sebastian Hurtado</b> (College of Engineering)	P1	51	Dr. Andre Mazzoleni (College of Engineering)	Development and Experimental Analysis of Helical Driven Propulsion for Multi-Terrain and Amphibious Vehicles

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<b>Elijah Rushing</b> (College of Engineering)	<b>Amy Whitley</b> (College of Engineering)	P4	54	Dr. Mihai Diaconeasa (College of Engineering)	A Quantification of Event Sequence Frequencies of the EBR-II using Inverse Estimation
<b>Bella Russ</b> (College of Sciences)		P4	55	Dr. Ryan Paerl (College of Sciences)	Impact of Dissolved Organic and Inorganic Nitrogen Compounds on Bloom Forming Cyanobacteria
<b>Sabrina Ryan</b> (College of Humanities and Social Sciences)		P3	52	Dr. Laura Widman (College of Humanities and Social Sciences) Aaron Lankster (College of Humanities and Social Sciences)	Using Brief Animated Videos as a Sexual Education Medium for Parents and Children
<b>Pushkar Sai</b> (College of Sciences)	<b>Felix Smith</b> (College of Sciences)	P2	51	Dr. Carlos C. Goller (College of Sciences)	Bioinformatics in Wildlife and Hog Waste: Bacterial Analysis for Ecosystem Health
<b>Nicolas Salazar</b> (College of Sciences)		P5	49	Dr. Daniel Dougherty (College of Sciences)	Development of Statistical Break Junction Measurements for Single Molecule Conductance Quantification
<b>Snehanshu Samanta</b> (College of Engineering)		P4	56	Dr. Erin Krupa (College of Education) Katie Burkett (College of Education)	Nature of Peer Feedback Among Mathematics Teachers During Instructional Rounds
<b>Arianne San Buenaventura</b> (College of Sciences)		P1	52	Dr. Christopher B. Gorman (College of Sciences) Juliana O'Brien (College of Sciences)	Synthesis of a Novel Fluorescent Peptidic Dendrimers
<b>Jayson Sanchez</b> (College of Agriculture and Life Sciences)		P3	53	Dr. Trino Ascencio-Ibanez (College of Agriculture and Life Sciences)	High Throughput Virus Silencing Vectors for Core Cell Cycle Genes in <i>A. thaliana</i>

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<b>Kerneep Sandhu</b> (College of Engineering)		P2	52	Dr. Okan Pala (College of Engineering)	Quantification of the Relationship between a Transportation-based Predictor Variable and Urban Development
<b>Isabel K. Chang</b> (College of Agriculture and Life Sciences) <b>Kyleah B. Cox</b> (College of Agriculture and Life Sciences) <b>Marissa C. Santaniello</b> (College of Agriculture and Life Sciences)		P3	54	Dr. Frank Siewerdt (College of Agriculture and Life Sciences)	Milking the System: The Challenge of Getting Dairy Subsidies Right
<b>Patricia Scholle</b> (College of Humanities and Social Sciences)		P3	55	Dr. Sarah Ascienzo (College of Humanities and Social Sciences)	The Relationship Between Child Abuse and Homeschooling
<b>Carter Schrag</b> (College of Sciences)		O3	3221-3	Dr. Matthew Breen (College of Veterinary Medicine) Dr. Rachael Thomas (College of Veterinary Medicine)	Determining Novel Biomarkers for Detection of Canine Prostatic Carcinoma
<b>Valeryia Serada</b> (College of Agriculture and Life Sciences)		P1	53	Dr. Dmitry Kurouski (Texas A&M University)	Lipids Uniquely Change Rates of Lysozyme Aggregation and Toxicity of Amyloid Fibrils
<b>Surbhi Sharma</b> (College of Humanities and Social Sciences)		P5	51	Dr. Jessica Liao (College of Humanities and Social Sciences)	U.S.-ROK-Japan Trilateral Cooperation: Green Initiative Implementation in the Indo-Pacific

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<b>Max Shipp</b> (College of Engineering)		P2	53	Dr. Katherine Saul (College of Engineering) Christopher Jadelis (College of Engineering)	Evaluation of Variable Loading Tasks for Optimization of a Wrist Musculoskeletal Model
<b>Elena Shipp</b> (College of Sciences)		P5	52	Dr. James Martin (College of Sciences) Tyler Knapp (College of Sciences)	Development of the Transition Zone Theory for Nucleation in Oligoacenes
<b>Madison Sholes</b> (College of Sciences)	<b>Clara Kintner</b> (College of Sciences)	P1	54	Dr. Astrid Schnetzer (College of Sciences)	Algal Toxins in Fish Across the Albemarle Sound, NC, 2019 to 2023
<b>Zach Sides</b> (College of Sciences)		P5	53	Dr. Seth Kullman (College of Sciences)	Negative Effects of Vitamin D Deficiency and Possible Endocannabinoid System Involvement
<b>Naveena Sivakumar</b> (College of Sciences)		P2	54	Dr. Shobhan Gaddameedhi (College of Sciences) Gillian K Szabo, (College of Sciences)	Influence of Circadian Disruption on Cell Line Cytotoxicity and Murine Hepatotoxicity
<b>Chase Smith</b> (College of Agriculture and Life Sciences)		P1	55	Dr. John van Zanten (College of Engineering)	Investigating Ultrafiltration Membrane Performance for Green Fluorescent Protein Solutions
<b>Henry Smith</b> College of Education		P5	54	Dr. Kelly Mulvey (College of Humanities and Social Sciences) Christina Marlow (College of Humanities and Social Sciences)	Unlocking Math Success: How Attitudes, Mindsets, & Career Interest Shape Teen Expectations
<b>David Speckhart</b> (Wilson College of Textiles)		P4	57	Dr. Nelson R. Vinueza (Wilson College of Textiles)	Digitization of historical Dyes from the Max Weaver Dye Library

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<b>Divya Srinivasan</b> (College of Engineering)		O1	3221-3	Dr Anupam Das (College of Engineering) Mr. Aafaq Sabir (College of Engineering)	Exploring Different Clustering Algorithms for Categorizing Data
<b>Morgan Starnes</b> (College of Natural Resources)	<b>Sophia Cunningham</b> (College of Natural Resources) <b>Coy Turnage</b> (College of Natural Resources) <b>Meredith Motamen</b> (College of Natural Resources)	P4	58	Dr. Elizabeth Guthrie Nichols (College of Natural Resources)	Presence of PFAS in Rocky Branch Creek behind Carmichael Gymnasium
<b>Justin Stegeman</b> (College of Sciences)		P3	56	Dr. Stefanie Chen (College of Agriculture and Life Sciences)	Constitution of Clusters: Colocalization of Bacterial RadD and SSB Proteins in DNA Repair
<b>Ryan Sterner</b> (College of Humanities and Social Sciences)		P5	55	Dr. Veljko Dubljevic (College of Humanities and Social Sciences) Dr. Dario Cecchini (College of Humanities and Social Sciences)	Universal Grammar Theory: An Unsatisfactory Account of the Origin of Moral Judgment
<b>Isaiah Stevens</b> (College of Sciences)		O4	3221-3	Dr. Kelly Lynn Mulvey (College of Humanities and Social Sciences)	STEM Identity: A Mathematical Approach
<b>Kayla Stewart</b> (College of Humanities and Social Sciences)	<b>Allison Guild</b> (College of Humanities and Social Sciences) <b>Reilly LaRoche</b> (Poole College of Management) <b>Keaton Lamb</b> (College of Humanities and Social Sciences)	P1	56	Dr. Ian Hughes (College of Humanities and Social Sciences)	Working Hard, Feeling Guilty: The Behavioral Implications of Guilt at Work



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<b>Julia Storch</b> (College of Sciences)		P1	57	Dr. Ashley Brown (College of Engineering) Dr. Nooshin Zandi (College of Engineering)	Hemostatic Fibrin Knob Triggered Microgels for Promoting Clot Formation in Neonates
<b>Olivia Suker</b> (College of Sciences)		P3	57	Dr. Benoit Jacquet (College of Sciences)	The Impact of a Free Walk In Acute Care Clinic in Wake County
<b>Christopher Summers</b> (College of Engineering)		P5	56	Huaiyu (College of Engineering)	High Performance PMN-PT Based 1-3 Composite Transducer for Clot Characterization with Multi-frequencies
<b>Hannah Sumner</b> (College of Sciences)	<b>Ben Gagnard</b> (College of Humanities and Social Sciences)	P3	58	Dr. Yingchen He (College of Humanities and Social Sciences) Patrick Seebold (College of Humanities and Social Sciences)	Effects of Looming & Stationary Sounds on Visual Orientation & Contrast Performance
<b>Khadeeja Ali Syeda</b> (College of Humanities and Social Sciences)	<b>Sophie Biancofiore</b> (College of Humanities and Social Sciences) <b>Sandhya Purohit</b> (College of Humanities and Social Sciences) <b>Kylie Radford</b> (College of Humanities and Social Sciences)	P5	57	Dr. Kelly Lynn Mulvey (College of Humanities and Social Sciences)	Befriending Immigrant Peers: Role of Direct and Indirect School Contact
<b>Sarah Taboada</b> (College of Agriculture and Life Sciences)		P1	58	Dr. Gavin Williams (College of Sciences) Jared Cossin (College of Sciences)	Improving the Activity of PcAcsA with Affordable CoA Alternatives

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<b>Caden Tacosik</b> (College of Agriculture and Life Sciences)	<b>Mollie Ruinsky</b> (College of Agriculture and Life Sciences) <b>Tyler Hill</b> (College of Agriculture and Life Sciences) <b>Melanie Bacon</b> (College of Agriculture and Life Sciences) <b>Daniel Li</b> (College of Agriculture and Life Sciences)	P1	59	Dr. Matthew Allan (USDA) Dr. Fernanda Santos (College of Agriculture and Life Sciences)	Effects of Enzymatic Treatments on Sweetpotato (NCDM04-0001) French Fry Textures
<b>Katie Taran</b> (College of Engineering)		O2	3210-3	Dr. Jacqueline Cole (College of Engineering)	Effect of Brachial Plexus Birth Injury on Postnatal Bone Development
<b>Andrew Taylor</b> (College of Engineering)	<b>Ryan Dukes</b> (College of Engineering) <b>Emma Stults</b> (College of Engineering)	P5	58	Dr Kenneth Granlund (College of Engineering)	Coaxial Turbine Blade Design
<b>Ashley Telli</b> (College of Humanities and Social Sciences)	<b>Olivia Mitchell</b> (College of Humanities and Social Sciences)	P5	59	Dr. Paige Averett (College of Humanities and Social Sciences)	Systematic Literature Review of the Recent Research on Bisexual Women and Depression
<b>Luke Shawn Thomas</b> (College of Agriculture and Life Sciences)	<b>Addison Detig</b> (College of Agriculture and Life Sciences) <b>Donald Miller</b> (College of Agriculture and Life Sciences) <b>Justin Gilleland</b> (College of Agriculture and Life Sciences) <b>Amara Samoura</b> (College of Agriculture and Life Sciences)	P4	59	Indumathi Palaniswamy (Novonosis)	Enzymatic Treatment for Enhanced Plant-based Yogurt Mouthfeel and Texture

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<b>Alexiah Thompson</b> (College of Sciences)		P5	60	Ms. Helena Jolly (College of Agriculture and Life Sciences) Ms. Helena Jolly (College of Agriculture and Life Sciences) Dr. Steve Frank (College of Agriculture and Life Sciences)	Exploring Potential Augmentative Biological Control of Chinese Wax Scales ( <i>Ceroplastes sinensis</i> )
<b>Susannah Throckmorton</b> (College of Humanities and Social Sciences)	<b>Allison Martinko</b> (College of Humanities and Social Sciences)	P5	61	Dr. Daniel Gruehn (College of Humanities and Social Sciences) Taylor Leonard (College of Humanities and Social Sciences)	Cued Memory: The Impact of Images/Pictograms during Encoding on Word Recall
<b>Lauren Todd</b> (College of Sciences)		P2	55	Dr. Hannah Levenson (College of Agriculture and Life Sciences)	A Survey of Beneficial Insects in Southeastern US Sesame ( <i>Sesamum indicum</i> ) Fields
<b>Camden Toumbleston</b> (College of Sciences)		P3	59	Dr. Nicholas Barber (College of Humanities and Social Sciences)	A Philosophical Account of Fun: Neo-Aristotelian Redundancy
<b>Sara Trimech</b> (College of Engineering)		P4	60	Dr. Saad Khan (College of Engineering) Muhammed Ziauddin Ahmad Ebrahim (College of Engineering)	Fabrication of Nanofibrous Aerogels for Multifunctional Applications
<b>Tanya Upadhyay</b> (College of Sciences)		O4	3210-3	Dr. Jessica Gluck (Wilson College of Textiles)	Recapitulating the Microenvironment of the Heart Using Decellularized Extracellular Matrix Derived Hydrogel

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<b>Crista Belen Villasenor-Reyes</b> (Wilson College of Textiles)	<b>Wil Mabe</b> (College of Sciences) <b>Clark Axtell</b> (College of Natural Resources)	P2	56	Dr. Erin McKenney (College of Agriculture and Life Sciences)	The Detrimental Effects of Feral Cats
<b>Farrah Waddell</b> (College of Sciences)	<b>Tristin Troy</b> (College of Sciences)	P3	60	Dr. Lin Walker (College of Agriculture and Life Sciences) Mary Mendoza (College of Agriculture and Life Sciences) Yabaiz Tahir (College of Agriculture and Life Sciences)	Minimum Inhibitory Concentration of Peroxyacetic Acid Against Salmonella Enteritidis
<b>Meghan Wall</b> (College of Agriculture and Life Sciences)	<b>Madison Burden</b> (College of Agriculture and Life Sciences)	P3	61	Dr. Shweta Trivedi (College of Agriculture and Life Sciences) Dr. Charlotte Meli (College of Agriculture and Life Sciences)	The Impact of Enclothed Cognition on Animal Science Students in the Anatomy Lab
<b>Catherine Walter</b> (College of Engineering)		P1	60	Dr. Katherine Saul (College of Engineering) Morgan Dalman (College of Engineering)	Finite Element Modeling of Cartilage Wear in the Glenohumeral Joint
<b>Samantha Watson</b> (College of Engineering)		O3	3210-4	Dr. Matthew Fisher (College of Engineering)	Comparison of AFM and Tensile Testing Methods on Mechanical Properties of Equine Superficial Digital Flexor Tendons
<b>Riley Westman</b> (College of Natural Resources)		P3	62	Dr. Katherine Martin (College of Natural Resources)	Environmental Drivers of Wetland Macroinvertebrate Communities in Wake County, NC

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<b>Riley Westman</b> (College of Natural Resources)		P5	62	Dr. Katherine Martin (College of Natural Resources) Dr. Marcelo Ardon (College of Natural Resources) Joyce Gaffney (City of Raleigh)	Differences in Aquatic Macroinvertebrate Communities Among Urban and Forested Watersheds
<b>Ellen White</b> (College of Agriculture and Life Sciences)		P4	61	Felicia Shepard (College of Sciences)	Genomic Exploration of Challenging-to-Culture Blueberry Varieties
<b>Ellen White</b> (College of Agriculture and Life Sciences)		P5	63	Dr. Hudson Ashrafi (College of Agriculture and Life Sciences)	PCR-Marker Development for Genotyping Vaccinium spp.
<b>Evelynn Wilcox</b> (College of Engineering)		P2	57	Dr. Celso Castro-Bolinaga (College of Engineering)	Use of Remote Sensing to Understand Shoreline Migration after Extreme Events
<b>Rebecca Williams</b> (College of Engineering)		P2	58	Dr. Tim Vadas (University of Connecticut) Dr. Nafis Fuad, (University of Connecticut) Dr. Alexandra Hain (University of Connecticut)	Chronic Cu65 Toxicity Evaluations of the Species Hyalella Azteca
<b>Chloe Williams</b> (College of Agriculture and Life Sciences)		P2	59	Dr. Jeffrey Dunne (College of Agriculture and Life Sciences) Dr. Ryan Andres (College of Agriculture and Life Sciences) Andrew Oakley (College of Agriculture and Life Sciences)	Chemical Inhibition of Self-pollination in Peanut (Arachis hypogaea) to Improve Out-Crossing Efficiency

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<b>Hali Harwood</b> (College of Agriculture and Life Sciences)		P4	62	Dr. Melanie Simpson (College of Agriculture and Life Sciences) Dr. Brenna Zimmer (College of Agriculture and Life Sciences)	Mutation of UGDH Aspartate 379 Eliminates Enzyme Activity and Induces Developmental Dysfunction
<b>Pierce Willoughby</b> (College of Agriculture and Life Sciences)		P3	63	Dr. Trino Ascencio-Ibáñez (College of Agriculture and Life Sciences)	The Geminivirus: How does it Affect Arabidopsis thaliana with Varying Ploidy?
<b>Joshua Yagozinski</b> (College of Engineering)	<b>Cole Howard</b> (College of Engineering)	P1	61	Dr. Jason Hou (College of Engineering)	Combined Lattice Physics Fuel Management Optimization for BWRs
<b>Sara Yamadi</b> (College of Humanities and Social Sciences)		P2	60	Dr. Virginia Riel (College of Humanities and Social Sciences)	Examining Elite Leisure Scenes in Global Cities
<b>Owen York</b> (College of Engineering)		P2	61	Dr. Lucian Lucia (College of Natural Resources)	Proanthocyanidin Content in North Carolina-Obtained Pine Bark Extract Offers Promise of Local Pycnogenol Manufacturing
<b>Liz Yow</b> (College of Sciences)		P1	62	Dr. Stefanie Chen (College of Sciences)	Timecourse of FV3 Infection of Various Ectothermic Species
<b>Abdullah Zaben</b> (College of Agriculture and Life Sciences)		P1	63	Dr. David Skaar (College of Sciences)	ICR 3: A Potential Epigenetic Signature of Hepatocellular Carcinoma

Lead Presenter	Co-Presenter(s)	Session	Room/ Poster	Mentor(s)	Project Title
<b>Dominic Zecca</b> (College of Natural Resources)	<b>Andrea Putri</b> (College of Natural Resources)	P4	63	Dr. Angela Allen (College of Natural Resources) Dr. Solomon Ghezehei (College of Natural Resources)	Preliminary Comparisons of Water Quality Between Waterways Within the Walnut Creek Watershed
<b>Gilad Zeif</b> (College of Agriculture and Life Sciences)	<b>Abby Todd</b> (College of Agriculture and Life Sciences) <b>Meredith Moss</b> (College of Agriculture and Life Sciences) <b>Heidi Min</b> (College of Agriculture and Life Sciences)	P3	64	Dr. Shweta Trivedi (College of Agriculture and Life Sciences) Dr. Charlotte Meli (College of Agriculture and Life Sciences)	Assessment of Stress in undergraduate Anatomy-Lab using Salivary Amylase & DASS-21
<b>Peiqi Zhang</b> (Wilson College of Textiles)		P2	62	Dr. Xiaomeng Fang (Wilson College of Textiles) Sen Zhang (Wilson College of Textiles)	Magnet-driven Origami Soft Robotics
<b>Jason Zhang</b> (College of Engineering)		P5	64	Dr. Jacqueline Cole (College of Engineering) Vivian M. Mota (College of Engineering) Kyla B. Bosh, (College of Engineering) Dr. Katherine R. Saul (College of Engineering)	Evolution of Changes to Glenohumeral Macrostructure Following Brachial Plexus Birth Injury