

# **Index of Student Presenters**

## Index of Student Presenters - Total 432

<b>Student Presenter</b>	<b>Poster</b>	<b>Project Title</b>	<b>Content Area</b>
<b>Adams, Anita</b> <i>Psychology and English-Creative Writing</i>	<b>Session 2</b> <b>- 53</b>	Dzek and Jill Learn What to Feel: Emotions in Russian and American Picture Books	<b>Psychology</b>
<b>Adams, Brittney</b> <i>Geology</i>	<b>Session 2</b> <b>- 1</b>	Crater Size–Frequency Analysis of Volcanic Smooth Plains on Mercury	<b>Marine Earth and Atmospheric Sciences</b>
<b>Agrawal, Ruhani</b> <i>Genetics</i>	<b>Session 1</b> <b>- 123</b>	Combining Chemotherapy, PARPi Treatment, and Microbiome Manipulation to Promote Tumor Suppression	<b>4-H, Youth Development, Family and Consumer Sciences</b>
<b>Akushevich, Aliaksei</b>	<b>Session 2</b> <b>- 49</b>	An Analysis of National Air Toxics Trends Stations (NATTS) for mobile sources in 2014	<b>Statistics</b>
<b>Alashar, Mohamed</b>	<b>Session 1</b> <b>- 121</b>	The Safety Design of a Submerged Nuclear Power Plant	<b>Nuclear Engineering</b>
<b>Alford, Hunter</b> <i>Biochemistry</i>	<b>Session 2</b> <b>- 26</b>	Dependence of the Autoreduction Rate of DHPA Upon the Presence of Internally Bound Halophenols	<b>4-H, Youth Development, Family and Consumer Sciences</b>
<b>Allen, Xavious</b> <i>Biochemistry</i>	<b>Session 1</b> <b>- 96</b>	Dissecting the regulation of fruit dehiscence (pod shatter) in <i>Arabidopsis thaliana</i>	<b>Plant and Microbial Biology</b>
<b>Alsaied, Jasmin</b> <i>Nuclear Engineering</i>	<b>Session 1</b> <b>- 110</b>	Identification of Key Drivers for Municipal Utility Performance	<b>Nuclear Engineering</b>
<b>Anand, Asha</b> <i>Genetics</i>	<b>Session 1</b> <b>- 125</b>	Utilizing the specific mechanisms impacted by DNA damage in genetic disorders to design targeted gene therapies using amniotic stem cells	<b>4-H, Youth Development, Family and Consumer Sciences</b>
<b>Arif, Taha</b> <i>Electrical Engineering</i>	<b>Session 1</b> <b>- 115</b>	Renewable Energy Integration with Distribution Power Grids using a Modular Energy Generator	<b>Electrical &amp; Computer Engineering</b>
<b>Armstrong, Daniel</b>	<b>Session 1</b> <b>- 28</b>	Reexamining the Design of Dielectric Elastomer Actuators	<b>4-H, Youth Development, Family and Consumer Sciences</b>
<b>Asadi, Zahra</b>	<b>Session 1</b> <b>- 94</b>	Exploring Issues Related to Antibiotic Resistance and Antibiotic Use in Animal Agriculture	<b>Poultry Science</b>

<b>Student Presenter</b>	<b>Poster</b>	<b>Project Title</b>	<b>Content Area</b>
<b>Aseeri, Albaraa</b>	<b>Session 1</b> <b>- 124</b>	Simulating inorganic solids with molecular dynamics	<b>Materials Science &amp; Engineering</b>
<b>Aseeri, Albaraa</b>	<b>Session 1</b> <b>- 99</b>	Physical and electrical characterization of NbTi/Cu composite superconducting wire	<b>Materials Science &amp; Engineering</b>
<b>Ashley, Nicholas</b>	<b>Session 2</b> <b>- 76</b>	Network Attacks and Automated Network Response	<b>4-H, Youth Development, Family and Consumer Sciences</b>
<b>Bagley, Kristen</b> <i>Biological Sciences conc. Integrative Physiology and Neurobiology</i>	<b>Session 1</b> <b>- 36</b>	The molecular mechanisms establishing left-right asymmetry in the developing stomach	<b>Molecular Biomedical Sciences</b>
<b>Bain, Kyle</b>	<b>Session 2</b> <b>- 4</b>	The Effect of Reaeration and Temperature During Fermentation of Lachancea thermotolerans on Lactic Acid Production	<b>Food, Bioprocessing, and Nutrition Sciences</b>
<b>Barclay, Cole</b> <i>Materials Science and Engineering</i>	<b>Session 2</b> <b>- 108</b>	Electrochemical Sensor for Sweat Sensing	<b>Materials Science &amp; Engineering</b>
<b>Barrett, Thomas</b> <i>Electrical Engineering</i>	<b>Session 2</b> <b>- 127</b>	Cost Benefit Analysis of Photovoltaic Integration (PV) and Energy Storage (ES) in Local Residential Settings	<b>Electrical &amp; Computer Engineering</b>
<b>Barros, Jannick</b>	<b>Session 2</b> <b>- 4</b>	The Effect of Reaeration and Temperature During Fermentation of Lachancea thermotolerans on Lactic Acid Production	<b>Food, Bioprocessing, and Nutrition Sciences</b>
<b>Bayha, Daniel</b>	<b>Session 1</b> <b>- 25</b>	Genome Size Estimation of Various Bemisia tabaci Subspecies Lines by Flow Cytometry	<b>Biochemistry</b>
<b>Beach, Sarah</b> <i>Biomedical Engineering</i>	<b>Session 1</b> <b>- 89</b>	An Improved Microfluidic Device to Study Cancer Metastasis Under Hypoxia	<b>Biomedical Engineering</b>
<b>Beard, Bradley</b> <i>Electrical and Computer Engineering</i>	<b>Session 2</b> <b>- 70</b>	Silicon Carbide Inverter for Electric Vehicle Traction Drive	<b>Electrical &amp; Computer Engineering</b>

<b>Student Presenter</b>	<b>Poster</b>	<b>Project Title</b>	<b>Content Area</b>
<b>Beasley, Trevor</b> <i>Biochemistry</i>	<b>Session 1</b> <b>- 35</b>	Calbindin D28k Structural Properties and the Isolation of EF Hands 1&2 for Further Caspase-3/Calbindin D28k Interaction Studies	<b>Biochemistry</b>
<b>Bellingtier, Jennifer</b>	<b>Session 1</b> <b>- 112</b>	Does Ethnicity Affect How Older Adults Deal with Stressors at Home?	<b>Psychology</b>
<b>Bellotti, Aurelio</b> <i>Aerospace Engineering</i>	<b>Session 2</b> <b>- 129</b>	Establishing Ultrasonic Methods for the Diagnosis of Fatty Infiltrations in Muscle.	<b>Mechanical &amp; Aerospace Engineering</b>
<b>Benson, Evan</b> <i>Biological Sciences</i>	<b>Session 1</b> <b>- 93</b>	Enhanced Peripheral Nerve Regeneration Using Neural Conduits and Stem Cells	<b>4-H, Youth Development, Family and Consumer Sciences</b>
<b>Berezik, Rachel</b> <i>Materials Science &amp; Engineering</i>	<b>Session 2</b> <b>- 72</b>	Aerogels for 3D Integration of Nanoelectronics	<b>Materials Science &amp; Engineering</b>
<b>Bingham, Kyle</b> <i>Chemistry</i>	<b>Session 1</b> <b>- 44</b>	Engineering polyketide antibiotics and anti-cancer drugs with new functionality	<b>Chemistry</b>
<b>Bitting, Slaton</b> <i>Civil Engineering</i>	<b>Session 1</b> <b>- 56</b>	Driven Pile Foundation System Design	<b>Civil, Construction &amp; Environmental Engineering</b>
<b>Blackwell, James</b> <i>Biological Engineering</i>	<b>Session 1</b> <b>- 38</b>	Visual Streamflow Detection Device	<b>Biological &amp; Agricultural Engineering</b>
<b>Bobyak, Rachel</b> <i>Meteorology</i>	<b>Session 1</b> <b>- 50</b>	Drought through the Years: An Analysis of the Intensity and Frequency of Drought from 365 AD to 2013	<b>Marine Earth and Atmospheric Sciences</b>
<b>Bowden, William</b> <i>Fashion and Textile Design</i>	<b>Session 2</b> <b>- 97</b>	Political Knitwear Design	<b>Textile &amp; Apparel Technology &amp; Management</b>
<b>Bowers, Graham</b> <i>Aerospace Engineering</i>	<b>Session 1</b> <b>- 122</b>	Quantifying the Effect of Additive on Solvation Shell Structure of C60 Fullerene and Its Derivatives: An Atomistic Molecular Dynamics Approach	<b>Materials Science &amp; Engineering</b>
<b>Bradshaw, Amy</b> <i>Zoology</i>	<b>Session 2</b> <b>- 43</b>	How Teacher Beliefs Around Climate Change Influence Student Understanding	<b>Fisheries, Wildlife, and Conservation Biology Program</b>

<b>Student Presenter</b>	<b>Poster</b>	<b>Project Title</b>	<b>Content Area</b>
<b>Bramley, Hailey</b> North Carolina State University, <i>Biological Sciences</i>	<b>Session 1</b> - 128	Structural Differences of the Brain Between Autistic and Typically Developed People	<b>4-H, Youth Development, Family and Consumer Sciences</b>
<b>Bratt, Kaitlin</b>	<b>Session 2</b> - 110	Neurocognitive Degeneration and Effects on Human Health	<b>Biological Sciences</b>
<b>Britton, Katy</b>	<b>Session 1</b> - 47	TBI Treatment Effectiveness and Post-TBI Personality Alterations	<b>Biological Sciences</b>
<b>Brooks, Allison</b>	<b>Session 2</b> - 16	A Statistical Analysis of the Effect of Ground Cover on Soil Temperature in North Carolina	<b>Statistics</b>
<b>Brown, Kelsey</b> <i>Human Biology</i>	<b>Session 1</b> - 9	Microbial Warfare Among Bacteria and Fungi Isolates of <i>Plantago major</i> and <i>Trifolium repens</i>	<b>Microbiology</b>
<b>Brumley, Eleanor</b>	<b>Session 1</b> - 94	Exploring Issues Related to Antibiotic Resistance and Antibiotic Use in Animal Agriculture	<b>Poultry Science</b>
<b>Bryson, Makenzie</b>	<b>Session 2</b> - 19	Effects of Bottle Size and Agitation on Secretory IgA and Lysozyme Retention during Holder Pasteurization of Human Milk	<b>Food, Bioprocessing, and Nutrition Sciences</b>
<b>Bucklin, Matthew</b> <i>Microbiology</i>	<b>Session 2</b> - 45	Applications of Microbiology in Human Health	<b>Biological Sciences</b>
<b>Bucklin, Matthew</b> <i>Microbiology</i>	<b>Session 2</b> - 51	Evaluating plasmid localization in Mycobacterium sp. ELW1 of genes for catabolism of the gasoline oxygenate isobutylene	<b>Microbiology</b>
<b>Buhler, Stephanie</b>	<b>Session 1</b> - 120	Do Higher White Grunt Densities Affect Individual-Level Foraging Behavior?	<b>Applied Ecology</b>
<b>Buhler, Stephanie</b>	<b>Session 1</b> - 53	Using Novel Methods to Determine Marine Megafauna Distribution in Areas of Anthropogenic Disturbance	<b>Applied Ecology</b>
<b>Burnham, Christina</b>	<b>Session 1</b> - 94	Exploring Issues Related to Antibiotic Resistance and Antibiotic Use in Animal Agriculture	<b>Poultry Science</b>
<b>Burns, Olivia</b> <i>Chemistry</i>	<b>Session 1</b> - 55	Analyzing the Structure of Liquid Ethanol through NMR	<b>Chemistry</b>

<b>Student Presenter</b>	<b>Poster</b>	<b>Project Title</b>	<b>Content Area</b>
<b>Burris, Elizabeth</b> <i>Psychology</i>	<b>Session 2</b> <b>- 115</b>	Mood Management: Mood Repair and Daily Stressors Correlate with Daily Affect	<b>Psychology</b>
<b>Butler-Smith, Tiara</b> <i>Biochemistry</i>	<b>Session 2</b> <b>- 112</b>	The role of auxin in maintaining the Arabidopsis root stem cell niche	<b>Plant Biology</b>
<b>Byers, Bryan</b> <i>Horticulture</i>	<b>Session 2</b> <b>- 13</b>	Refining Best Management Practices for Watering Container Grown Nursery Crops	<b>Horticultural Science</b>
<b>Calvert, Martha</b> <i>Nutrition</i>	<b>Session 2</b> <b>- 50</b>	Development of Virtual Reality Conflict Management Videos for Training Nutrition Educators	<b>Food, Bioprocessing, and Nutrition Sciences</b>
<b>Cambareri, Joseph</b> <i>Nuclear Engineering</i>	<b>Session 1</b> <b>- 69</b>	Interface Tracking Simulations of Molten Glass for Melter Design	<b>Nuclear Engineering</b>
<b>Cambareri, Joseph</b>	<b>Session 1</b> <b>- 40</b>	Thermal Hydraulic Design of an LEU Nuclear Thermal Rocket	<b>Nuclear Engineering</b>
<b>Capobianco, Michael</b> <i>Food Science</i>	<b>Session 2</b> <b>- 46</b>	Microwave Processing of Acidified Peppers to Achieve Optimal Quality	<b>Food, Bioprocessing, and Nutrition Sciences</b>
<b>Carey, David</b> <i>Computer Science</i>	<b>Session 2</b> <b>- 29</b>	Identifying Software Engineering Best Practices	<b>Computer Science</b>
<b>Chapman, Bennett</b> <i>History</i>	<b>Session 2</b> <b>- 41</b>	Reconstructing the Wild Life of the Columbian Exchange	<b>History</b>
<b>Chauvigne-Futrell, Gabriel</b> <i>Chemical Engineering</i>	<b>Session 1</b> <b>- 28</b>	Reexamining the Design of Dielectric Elastomer Actuators	<b>4-H, Youth Development, Family and Consumer Sciences</b>
<b>Cheema, Manmeet</b> <i>Bioprocessing Science</i>	<b>Session 2</b> <b>- 4</b>	The Effect of Reaeration and Temperature During Fermentation of Lachancea thermotolerans on Lactic Acid Production	<b>Food, Bioprocessing, and Nutrition Sciences</b>
<b>Chen, Jimmy</b> <i>Chemistry</i>	<b>Session 1</b> <b>- 86</b>	Structural analysis of nAChR in its native-like membrane environment by solid-state NMR	<b>Chemistry</b>
<b>Chen, Zeyu</b>	<b>Session 1</b> <b>- 121</b>	The Safety Design of a Submerged Nuclear Power Plant	<b>Nuclear Engineering</b>
<b>Chisholm, Brandon</b> North Carolina State University, <i>Nuclear Engineering</i>	<b>Session 1</b> <b>- 30</b>	Simulation of SiC-based Accident Tolerant Fuels	<b>Nuclear Engineering</b>

<b>Student Presenter</b>	<b>Poster</b>	<b>Project Title</b>	<b>Content Area</b>
<b>Chomette, Julien</b> <i>Electrical and Computer Engineering</i>	<b>Session 1</b> <b>- 49</b>	Establishing a Standardized Processing Environment in the PREES Laboratory	<b>Electrical &amp; Computer Engineering</b>
<b>Chon, Glen</b> <i>Textile Technology</i>	<b>Session 2</b> <b>- 126</b>	Viscosity of Kraft Lignin/Polyvinyl Alcohol	<b>Textile Engineering, Chemistry &amp; Science</b>
<b>Choy, Jennifer</b> <i>Biological Sciences:</i>	<b>Session 1</b> <b>- 108</b>	Memory Alterations Due to Anatomical and Physiological Abnormalities	<b>Biological Sciences</b>
<b>Choy, Jennifer</b>	<b>Session 2</b> <b>- 90</b>	Isolation, Sequencing, and Evolutionary Relationships of a Novel Paenibacillus larvae-Infecting Bacteriophage	<b>Plant and Microbial Biology</b>
<b>Cirulli, Kaitlin</b> <i>Biological Sciences</i>	<b>Session 2</b> <b>- 42</b>	Comparing Serotype Dominance and Fatality Among Four Major Dengue Fever Outbreaks	<b>Biological Sciences</b>
<b>Clark, Natalie</b>	<b>Session 2</b> <b>- 112</b>	The role of auxin in maintaining the Arabidopsis root stem cell niche	<b>Plant Biology</b>
<b>Cline, Christopher</b>	<b>Session 1</b> <b>- 5</b>	Pilot Development of a Sweet Potato Sausage	<b>4-H, Youth Development, Family and Consumer Sciences</b>
<b>Cofield, Bria</b> <i>Elementary Education</i>	<b>Session 2</b> <b>- 106</b>	Increasing Student Engagement through Arts Integration	<b>Elementary Education</b>
<b>Coker, Gift</b>	<b>Session 2</b> <b>- 46</b>	Microwave Processing of Acidified Peppers to Achieve Optimal Quality	<b>Food, Bioprocessing, and Nutrition Sciences</b>
<b>Coley, Morgan</b> <i>Chemistry</i>	<b>Session 1</b> <b>- 83</b>	Synthesis of Highly Substituted Aromatic Compounds	<b>Chemistry</b>
<b>Connor, Jordan</b>	<b>Session 2</b> <b>- 29</b>	Identifying Software Engineering Best Practices	<b>Computer Science</b>
<b>Conroy, Shannon</b> <i>Biochemistry</i>	<b>Session 1</b> <b>- 80</b>	The influence of co-activators on heat response	<b>Biochemistry</b>
<b>Conway, Jonathan</b>	<b>Session 2</b> <b>- 102</b>	Genetic Modifications to Multidomain Cellulase Athe_0594 in the Extremely Thermophilic Bacterium Caldicellulosiruptor bescii	<b>Chemical &amp; Biomolecular Engineering</b>
<b>Cope, Samuel</b>	<b>Session 1</b> <b>- 71</b>	Low-Enriched Uranium Nuclear Thermal Rocket (NTR) Core Design for Manned Mars Mission	<b>Nuclear Engineering</b>

<b>Student Presenter</b>	<b>Poster</b>	<b>Project Title</b>	<b>Content Area</b>
<b>Corbitt, Sarah</b>	<b>Session 2</b> <b>- 12</b>	Consequences of Extrinsic Stressors on Avian and Marine Species	<b>Biological Sciences</b>
<b>Cores, Jhon</b>	<b>Session 2</b> <b>- 74</b>	Adult Lung Spheroid Cells Mediate Regeneration in Allogeneic Model for Rodents with Bleomycin-Induced Pulmonary Fibrosis	<b>Biomedical Engineering</b>
<b>Costello, Ashley</b>	<b>Session 2</b> <b>- 82</b>	Statistical Analysis of Non-Mobile Hazardous Air Pollutants (HAPs) in the United States for 2014	<b>Statistics</b>
<b>Cowan, Taylor</b>	<b>Session 1</b> <b>- 123</b>	Combining Chemotherapy, PARPi Treatment, and Microbiome Manipulation to Promote Tumor Suppression	<b>4-H, Youth Development, Family and Consumer Sciences</b>
<b>Cruz, Bianca</b>	<b>Session 1</b> <b>- 121</b>	The Safety Design of a Submerged Nuclear Power Plant	<b>Nuclear Engineering</b>
<b>Cruz Teran, Carlos</b>	<b>Session 1</b> <b>- 100</b>	Colorimetric Pathogen Detection via Coupled-Enzyme System	<b>4-H, Youth Development, Family and Consumer Sciences</b>
<b>Cummings, Christopher</b>	<b>Session 1</b> <b>- 5</b>	Pilot Development of a Sweet Potato Sausage	<b>4-H, Youth Development, Family and Consumer Sciences</b>
<b>Cupo, Katherine</b> <i>Zoology</i>	<b>Session 2</b> <b>- 22</b>	Knockdown of TMEM150a in human lung epithelial cells increases production of IL-6, IL-8 and CCL5 cytokines	<b>Molecular Biomedical Sciences</b>
<b>Davis, Agnes</b>	<b>Session 1</b> <b>- 112</b>	Does Ethnicity Affect How Older Adults Deal with Stressors at Home?	<b>Psychology</b>
<b>Davis, Colin</b> <i>Microbiology</i>	<b>Session 1</b> <b>- 21</b>	Functional assessment of amino acid sites in the FNR protein by site-directed mutagenesis and swimming assay.	<b>Poultry Science</b>
<b>Davison, Ashley</b> <i>Biological Sciences</i>	<b>Session 1</b> <b>- 76</b>	Cancer Therapy: Early Detection Using Biomarkers and Treatment with miRNAs and Exosome Drug-Delivery Vehicles	<b>Biological Sciences</b>
<b>Desai, Palak</b>	<b>Session 1</b> <b>- 108</b>	Memory Alterations Due to Anatomical and Physiological Abnormalities	<b>Biological Sciences</b>



<b>Student Presenter</b>	<b>Poster</b>	<b>Project Title</b>	<b>Content Area</b>
<b>Deutch, Emma</b> <i>Plant Biology and Horticulture Science</i>	<b>Session 2</b> - 78	Analysis of Plant and Microbiome Associations	<b>Biological Sciences</b>
<b>Dewkett, Michelle</b> <i>International Studies</i>	<b>Session 1</b> - 15	Cultural and Identity Development in Transracial Adoptees and First-generation Immigrants: A Comparative Study	<b>Interdisciplinary Programs</b>
<b>DeYonke, Alexandra</b> <i>Biology with a concentration in Ecology, Evolution, and Conservation</i>	<b>Session 1</b> - 1	Molecular evidence for a decline in pyrethroid resistance from the Kdr locus in <i>Heliothis virescens</i>	<b>Entomology</b>
<b>Dickerson, Joshua</b> <i>Materials Science and Engr</i>	<b>Session 1</b> - 27	Nano/Macroscopic Swelling of Block Ionomer Hydrogels as a Facile Route to Hybrid Metal Gels	<b>Chemical &amp; Biomolecular Engineering</b>
<b>Dietrich, Malinda</b> <i>Communication</i>	<b>Session 1</b> - 4	Welcome to Summoner's Rift: making space (and time) for inclusivity in competitive, collegiate gaming	<b>Communication</b>
<b>Dillard, Lucas</b> <i>Biochemistry</i>	<b>Session 1</b> - 11	Adapting Carbon Fixing Enzymes from Bacteria for Biofuels	<b>Biochemistry</b>
<b>Dinkins, Natalie</b> <i>Business Administration</i>	<b>Session 2</b> - 63	"No Expo": Questioning the 2015 Milan World Expo's Legacy	<b>Interdisciplinary Programs</b>
<b>Dipinto, Graham</b>	<b>Session 1</b> - 94	Exploring Issues Related to Antibiotic Resistance and Antibiotic Use in Animal Agriculture	<b>Poultry Science</b>
<b>Dudley, Darin</b>	<b>Session 1</b> - 70	Studies on the Utilization of <i>Lachancea thermotolerans</i> in Milk Fermentation	<b>Food, Bioprocessing, and Nutrition Sciences</b>
<b>Dunton, Megan</b> <i>Biological Sciences</i>	<b>Session 1</b> - 59	"Having it all": An analysis of conceptualizations of fertility and the human self	<b>English</b>
<b>Dwyer, Shannon</b> <i>Physics</i>	<b>Session 2</b> - 9	Misbehaving Materials: A computational investigation of charge density waves in rare-earth tritellurides	<b>Physics</b>
<b>Dyke, Madeline</b>	<b>Session 2</b> - 90	Isolation, Sequencing, and Evolutionary Relationships of a Novel <i>Paenibacillus</i> larvae-Infecting Bacteriophage	<b>Plant and Microbial Biology</b>

<b>Student Presenter</b>	<b>Poster</b>	<b>Project Title</b>	<b>Content Area</b>
<b>Easter, Elizabeth</b> <i>Materials Science and Engr</i>	<b>Session 1</b> - 92	Obesity and Exercise-Induced Bone Microarchitecture Changes are Associated with Bone Blood Perfusion in Mice	<b>Biomedical Engineering</b>
<b>Emmerich, Veronica</b> <i>Biochemistry</i>	<b>Session 1</b> - 8	The role of posttranslationally modified CLE peptides and BAM1 receptor kinase in plant meristem development	<b>Biochemistry</b>
<b>Emmerich, Veronica</b>	<b>Session 1</b> - 41	Polyhistidine Tag and Its Effect on Global Fold of Response Regulator Protein, Spo0F	<b>Biochemistry</b>
<b>Fee, John</b> <i>Statistics</i>	<b>Session 2</b> - 16	A Statistical Analysis of the Effect of Ground Cover on Soil Temperature in North Carolina	<b>Statistics</b>
<b>Fitton, Alexandra</b> <i>Animal Science</i>	<b>Session 1</b> - 94	Exploring Issues Related to Antibiotic Resistance and Antibiotic Use in Animal Agriculture	<b>Poultry Science</b>
<b>Flores, Haydn</b> <i>Economics &amp; Int'l Relations (Economy &amp; Environment)</i>	<b>Session 1</b> - 45	Freight Farms: Innovative Potential for Food Security in Urban Areas	<b>Interdisciplinary Programs</b>
<b>Floyd, Timothy</b> <i>Environmental Tech &amp; Mgmt</i>	<b>Session 1</b> - 91	Cost Effectively Increasing the Electrical Output per Photovoltaic Solar Panel	<b>Forestry &amp; Environmental Resources</b>
<b>Foley, Kathleen</b> <i>Genetics</i>	<b>Session 1</b> - 86	Elucidating the Transcriptional Regulation of Pod Shatter in the Brassicas	<b>4-H, Youth Development, Family and Consumer Sciences</b>
<b>Fowler, Alison</b> <i>Marine Sciences</i>	<b>Session 2</b> - 89	Shifts in protistan community structure along the freshwater salinity interface	<b>Marine Earth and Atmospheric Sciences</b>
<b>Frank, Danielle</b>	<b>Session 2</b> - 43	How Teacher Beliefs Around Climate Change Influence Student Understanding	<b>Fisheries, Wildlife, and Conservation Biology Program</b>
<b>Frasch, Elisabeth</b> <i>Fisheries, Wildlife, Conservation Biology</i>	<b>Session 1</b> - 120	Do Higher White Grunt Densities Affect Individual-Level Foraging Behavior?	<b>Applied Ecology</b>
<b>Freebourn, Logan</b> <i>First Year Engineering</i>	<b>Session 2</b> - 67	Automatic Translation of Toleranced CAD Models to AMF	<b>Industrial &amp; Systems Engineering</b>

<b>Student Presenter</b>	<b>Poster</b>	<b>Project Title</b>	<b>Content Area</b>
<b>Fritch, Ethan</b> <i>Microbiology</i>	<b>Session 1</b> <b>- 114</b>	Reovirus Protein mu2 Co-Localizes and Forms Complex with Nuclear Protein SC-35	<b>Molecular Biomedical Sciences</b>
<b>Frye, John Lucas</b> <i>International Studies- Middle East/South Asia</i>	<b>Session 2</b> <b>- 15</b>	Da'ya fil terjimah, Lost in Translation: Cultural limitations in clinical studies of resilience in the Palestinian Territories	<b>Interdisciplinary Programs</b>
<b>Gainey, Caroline</b> <i>Communication</i>	<b>Session 1</b> <b>- 6</b>	Evaluating results from a web-based HIV/AIDS prevention program focused on adolescent girls	<b>Psychology</b>
<b>Galletto, Monica</b> <i>Graphic Design</i>	<b>Session 1</b> <b>- 65</b>	Contemporary Artists in Florence	<b>Graphic Design &amp; Industrial Design</b>
<b>Gandee, Shelby</b> <i>Zoology</i>	<b>Session 2</b> <b>- 35</b>	Partial characterization of a novel lipoprotein, EGF Latrophilin and Seven Transmembrane Domain Containing 1 (eltd1) in striped bass ( <i>Morone saxatilis</i> )	<b>Applied Ecology</b>
<b>Garfinkle, Sarah</b> <i>Biochemistry</i>	<b>Session 1</b> <b>- 105</b>	The Conserved Host Transcriptional Responses in <i>Medicago truncatula</i> and <i>Solanum lycopersicum</i> to Genetic Variation in Parasitic Root-knot Nematodes	<b>Biochemistry</b>
<b>Gibson, Rebecca</b> <i>Nuclear Engineering</i>	<b>Session 1</b> <b>- 121</b>	The Safety Design of a Submerged Nuclear Power Plant	<b>Nuclear Engineering</b>
<b>Gilgannon, Chloe</b>	<b>Session 1</b> <b>- 57</b>	The effects of Geminivirus infection on expression of Auxin Response Factors in <i>Arabidopsis thaliana</i>	<b>Biochemistry</b>
<b>Gilgannon, Chloe</b>	<b>Session 1</b> <b>- 48</b>	Geminivirus Infection and ARR7 Expression in <i>Arabidopsis</i>	<b>Biochemistry</b>
<b>Giorgino, Francesco</b> <i>Genetics</i>	<b>Session 1</b> <b>- 7</b>	The Use of Methylation Patterns to Detect and Treat Disease	<b>Biological Sciences</b>
<b>Glick, Nicole</b>	<b>Session 1</b> <b>- 102</b>	Development of a Flavor Extract Ingredient from Raw Crab Shell	<b>Food, Bioprocessing, and Nutrition Sciences</b>
<b>Gonzalez, Valeria</b> <i>Biochemistry</i>	<b>Session 2</b> <b>- 62</b>	Identification of Bacterial Unknowns using PCR	<b>Biochemistry</b>
<b>Goodling, Amy</b> <i>Materials Science and Engr</i>	<b>Session 2</b> <b>- 30</b>	Microstructural Characterization of Additive Manufactured Titanium Implant Components	<b>Materials Science &amp; Engineering</b>

<b>Student Presenter</b>	<b>Poster</b>	<b>Project Title</b>	<b>Content Area</b>
<b>Gopalakrishnan, Meenakshi</b> <i>Biological Sciences: Integrative Physiology and Neurobiology</i>	<b>Session 1</b> - 47	TBI Treatment Effectiveness and Post-TBI Personality Alterations	<b>Biological Sciences</b>
<b>Gregory, Henry</b>	<b>Session 1</b> - 94	Exploring Issues Related to Antibiotic Resistance and Antibiotic Use in Animal Agriculture	<b>Poultry Science</b>
<b>Griffiths, John</b> <i>Materials Science and Engr</i>	<b>Session 2</b> - 58	Conductive Phase-Change Elastomer Gels for Remote Shape-Memory Activation	<b>4-H, Youth Development, Family and Consumer Sciences</b>
<b>Grindell, Elizabeth</b> <i>International Studies</i>	<b>Session 2</b> - 120	Insecurity Despite Potential: Hunger in the Democratic Republic of Congo	<b>Interdisciplinary Programs</b>
<b>Gruebel, Rachel</b>	<b>Session 1</b> - 94	Exploring Issues Related to Antibiotic Resistance and Antibiotic Use in Animal Agriculture	<b>Poultry Science</b>
<b>Gurganus, Kathryn</b> <i>Molecular and Structural Biochemistry</i>	<b>Session 2</b> - 117	Olfactory Bulb Neurogenesis following Neonatal Scent Enrichment	<b>Molecular Biomedical Sciences</b>
<b>Guzik, Brennen</b> <i>Chemistry/Biochemistry</i>	<b>Session 2</b> - 100	Role of Hydrogen Peroxide Fluctuations in the Nucleus Accumbens During Cocaine-induced Locomotor Activity	<b>Chemistry</b>
<b>Guzik, Brennen</b>	<b>Session 2</b> - 2	Monitoring Real-Time Dopamine Fluctuations During Impulsive Decision Making	<b>Chemistry</b>
<b>Gwyn, Michael</b> <i>Biomedical Engineering</i>	<b>Session 2</b> - 75	Tensile Loading of Porcine Meniscus Cell Seeded Scaffolds to Mimic Tissue Development	<b>Biomedical Engineering</b>
<b>Gwynne, Peter</b> <i>Physics</i>	<b>Session 2</b> - 118	Asymmetric Expansion of the Youngest Galactic Supernova Remnant G1.9+0.3	<b>Physics</b>
<b>Haidet, Brian</b> <i>Materials Science and Engr</i>	<b>Session 1</b> - 124	Simulating inorganic solids with molecular dynamics	<b>Materials Science &amp; Engineering</b>
<b>Haidet, Brian</b> <i>Materials Science and Engr</i>	<b>Session 1</b> - 99	Physical and electrical characterization of NbTi/Cu composite superconducting wire	<b>Materials Science &amp; Engineering</b>

<b>Student Presenter</b>	<b>Poster</b>	<b>Project Title</b>	<b>Content Area</b>
<b>Hamilton, Leah</b>	<b>Session 1</b> - 37	Mass Production Method for a Dried Ready-to-Use Therapeutic Food Ingredient	<b>4-H, Youth Development, Family and Consumer Sciences</b>
<b>Hamm, Benjamin</b> <i>Physics</i>	<b>Session 2</b> - 116	Comparison of Electromagnetic and Gravitational Interactions	<b>Physics</b>
<b>Hanumanthu, Annapurna</b> <i>Biological</i>	<b>Session 1</b> - 119	Mutation of a single ligand binding domain amino acid of the teleost estrogen receptor beta-a increases its binding affinity to diethylstilbestrol	<b>Biological Sciences</b>
<b>Haque, Bilal</b>	<b>Session 2</b> - 128	An ArpU-like regulatory protein controlling cell lysis is encoded by <i>Paenibacillus</i> larvae bacteriophage Mock2	<b>Plant and Microbial Biology</b>
<b>Harakaly, Calia</b> <i>Biological Sciences</i>	<b>Session 1</b> - 48	Geminivirus Infection and ARR7 Expression in <i>Arabidopsis</i>	<b>Biochemistry</b>
<b>Harakaly, Calia</b> <i>Biological Sciences</i>	<b>Session 1</b> - 57	The effects of Geminivirus infection on expression of Auxin Response Factors in <i>Arabidopsis thaliana</i>	<b>Biochemistry</b>
<b>Harris, Alexander</b> <i>Geology</i>	<b>Session 2</b> - 20	Beaver Dam Influence on Urban Stream Morphology	<b>Marine Earth and Atmospheric Sciences</b>
<b>Harris, Thomas</b> <i>Forest Management</i>	<b>Session 1</b> - 24	Locating potential champion trees using Lidar	<b>Forestry &amp; Environmental Resources</b>
<b>Harris, William</b> <i>Physics</i>	<b>Session 2</b> - 94	Effects of Nanoconfinement on the Phase Behavior of the Lennard-Jones Fluid	<b>Chemical &amp; Biomolecular Engineering</b>
<b>Hartley, Hallie</b> <i>Environmental Technology and Management</i>	<b>Session 1</b> - 74	Comparing the Environmental Input of PPCPs between Conventional and Alternative Wastewater Treatment Systems	<b>Forestry &amp; Environmental Resources</b>
<b>Hartley, Merlin</b>	<b>Session 2</b> - 117	Olfactory Bulb Neurogenesis following Neonatal Scent Enrichment	<b>Molecular Biomedical Sciences</b>
<b>Hass, Molly</b>	<b>Session 1</b> - 37	Mass Production Method for a Dried Ready-to-Use Therapeutic Food Ingredient	<b>4-H, Youth Development, Family and Consumer Sciences</b>
<b>Hatcher, Jessica</b> <i>English, Secondary Education</i>	<b>Session 1</b> - 78	Diversity Within Homogeneity: Examining Individual Variation in Pre-Service Teachers' Responses to Critical Language Pedagogies	<b>English</b>

<b>Student Presenter</b>	<b>Poster</b>	<b>Project Title</b>	<b>Content Area</b>
<b>Hawkins, Kenan</b>	<b>Session 1</b> - 5	Pilot Development of a Sweet Potato Sausage	<b>4-H, Youth Development, Family and Consumer Sciences</b>
<b>Hemphill, Meredith</b> <i>Plant Biology</i>	<b>Session 1</b> - 84	Membrane topology of plant cellulose synthase proteins	<b>Crop Science</b>
<b>Hemphill, Meredith</b>	<b>Session 1</b> - 94	Exploring Issues Related to Antibiotic Resistance and Antibiotic Use in Animal Agriculture	<b>Poultry Science</b>
<b>Herath Bandara, Kaveen</b> <i>Computer Science</i>	<b>Session 1</b> - 39	Data Ninja Human Driven Machine Learning	<b>Computer Science</b>
<b>Hernandez, Diana</b> <i>Chemical Engineering with Biomolecular Concentration</i>	<b>Session 2</b> - 77	Defining Roles for GH48 Cellulases in Extremely Thermophilic <i>Caldicellulosiruptor bescii</i>	<b>Chemical &amp; Biomolecular Engineering</b>
<b>Hernandez, Kevin</b>	<b>Session 1</b> - 116	Synthesis of racemic benzylic acetates and an approach to zolpidem tartrate [Ambien]	<b>Chemistry</b>
<b>Hernandez-Jara, Marcel</b> <i>Biology</i>	<b>Session 2</b> - 78	Analysis of Plant and Microbiome Associations	<b>Biological Sciences</b>
<b>Hill, Adrienne</b> <i>Food Science</i>	<b>Session 1</b> - 102	Development of a Flavor Extract Ingredient from Raw Crab Shell	<b>Food, Bioprocessing, and Nutrition Sciences</b>
<b>Hill, Heather</b> <i>Microbiology</i>	<b>Session 2</b> - 79	Social Dominance Among Selectively Bred Zebrafish	<b>Biological Sciences</b>
<b>Hill, Heather</b>	<b>Session 2</b> - 123	Persistent Effects of Social Defeat	<b>Biological Sciences</b>
<b>Holshouser, Jacquelyn</b>	<b>Session 1</b> - 71	Low-Enriched Uranium Nuclear Thermal Rocket (NTR) Core Design for Manned Mars Mission	<b>Nuclear Engineering</b>
<b>Hong, Soung Joung</b> <i>Psychology</i>	<b>Session 2</b> - 96	Anisotropic growth of Silver on Gold nanorods in the presence of salicylic acid family ligands	<b>Chemistry</b>
<b>Horlback, Kevin</b>	<b>Session 1</b> - 71	Low-Enriched Uranium Nuclear Thermal Rocket (NTR) Core Design for Manned Mars Mission	<b>Nuclear Engineering</b>

<b>Student Presenter</b>	<b>Poster</b>	<b>Project Title</b>	<b>Content Area</b>
<b>Hovey, Brentley</b> <i>Chemical Engineering</i>	<b>Session 2</b> - 102	Genetic Modifications to Multidomain Cellulase Athe_0594 in the Extremely Thermophilic Bacterium <i>Caldicellulosiruptor bescii</i>	<b>Chemical &amp; Biomolecular Engineering</b>
<b>Howell, Steven</b> <i>Computer Science</i>	<b>Session 1</b> - 73	Towards Unsupervised Canine Posture Classification via Depth Shadow Detection and Infrared Reconstruction for Improved Image Segmentation Accuracy	<b>Computer Science</b>
<b>Hoxie, Michael</b> <i>Human Biology</i>	<b>Session 1</b> - 76	Cancer Therapy: Early Detection Using Biomarkers and Treatment with miRNAs and Exosome Drug-Delivery Vehicles	<b>Biological Sciences</b>
<b>Hsain, Hanan</b> <i>Materials Science and Engineering</i>	<b>Session 2</b> - 130	Mechanical-to-Electrical Energy Harvesting Utilizing Reverse Electrowetting	<b>Chemical &amp; Biomolecular Engineering</b>
<b>Hunter, Haywood</b> <i>Electrical Engineering</i>	<b>Session 2</b> - 111	Development of Metal Contacts to Nanocomposite Bi <sub>2</sub> Te <sub>3</sub> Thermoelectric Material	<b>Electrical &amp; Computer Engineering</b>
<b>Hurrelbrink, David</b> <i>Chemical Engineering</i>	<b>Session 2</b> - 124	A Molecular Engineering Approach to Developing Polymer-Nanoparticle Networks and Nanocomposites	<b>Chemical &amp; Biomolecular Engineering</b>
<b>Hylton, Katherine</b>	<b>Session 1</b> - 7	The Use of Methylation Patterns to Detect and Treat Disease	<b>Biological Sciences</b>
<b>Ibrahim, Dina</b> <i>Animal Science</i>	<b>Session 1</b> - 33	NF- $\kappa$ B Inhibition Does Not Have an Effect on Experimental Murine Colitis Models	<b>Clinical Sciences</b>
<b>Ingram, Brianna</b> <i>Biological Sciences</i>	<b>Session 1</b> - 46	Biological and clinical similarities between autism and schizophrenia	<b>Biological Sciences</b>
<b>Ipsen, Anton</b> <i>Industrial Engineering</i>	<b>Session 1</b> - 34	On Danish Teachers' Integration of iPads in Elementary Education	<b>Foreign Languages &amp; Literatures</b>
<b>Irvin, Franklin</b>	<b>Session 1</b> - 9	Microbial Warfare Among Bacteria and Fungi Isolates of <i>Plantago major</i> and <i>Trifolium repens</i>	<b>Microbiology</b>
<b>Irvin, Joshua</b> <i>Human Biology</i>	<b>Session 1</b> - 20	Tissue Specific Knockout of ATRX Expression in Dopaminergic Neurons	<b>Biological Sciences</b>

<b>Student Presenter</b>	<b>Poster</b>	<b>Project Title</b>	<b>Content Area</b>
<b>Jacobs, Julia</b> <i>Natural Resources Policy and Administration</i>	<b>Session 1</b> <b>- 14</b>	Assessing the utility of spots as unique identifiers of Key deer fawns to estimate population trends	<b>Applied Ecology</b>
<b>Jamal, Mariam</b>	<b>Session 1</b> <b>- 108</b>	Memory Alterations Due to Anatomical and Physiological Abnormalities	<b>Biological Sciences</b>
<b>James, Cameron</b>	<b>Session 1</b> <b>- 38</b>	Visual Streamflow Detection Device	<b>Biological &amp; Agricultural Engineering</b>
<b>Jandhyala, Sidhartha</b> <i>Biomedical Engineering</i>	<b>Session 1</b> <b>- 62</b>	Quantification of Steady-State Uptake of Fluorodeoxyglucose in Brains of Normal and Mild Cognitively Impaired Subjects	<b>Biomedical Engineering</b>
<b>Jandrain, Jacques</b>	<b>Session 2</b> <b>- 46</b>	Microwave Processing of Acidified Peppers to Achieve Optimal Quality	<b>Food, Bioprocessing, and Nutrition Sciences</b>
<b>Jenio, Brittany</b> <i>Materials Science and Engineering</i>	<b>Session 1</b> <b>- 54</b>	Galvanic Corrosion in Trunnionosis of Hip Implants	<b>Materials Science &amp; Engineering</b>
<b>Johnson, Alexander</b> <i>Chemical Engineering</i>	<b>Session 2</b> <b>- 28</b>	Liquid Metal Repellency By Nanoporous Films	<b>Chemical &amp; Biomolecular Engineering</b>
<b>Johnson, Alexis</b> <i>Microbiology</i>	<b>Session 2</b> <b>- 45</b>	Applications of Microbiology in Human Health	<b>Biological Sciences</b>
<b>Johnson, Garrett</b> <i>Biochemistry</i>	<b>Session 1</b> <b>- 117</b>	Viral Adaptation to Plant Hosts	<b>Plant Pathology</b>
<b>Johnson, Tyler</b>	<b>Session 1</b> <b>- 116</b>	Synthesis of racemic benzylic acetates and an approach to zolpidem tartrate [Ambien]	<b>Chemistry</b>
<b>Jolley, Maxie</b> <i>Biochemistry</i>	<b>Session 1</b> <b>- 25</b>	Genome Size Estimation of Various <i>Bemisia tabaci</i> Subspecies Lines by Flow Cytometry	<b>Biochemistry</b>
<b>Jones, James</b>	<b>Session 2</b> <b>- 30</b>	Microstructural Characterization of Additive Manufactured Titanium Implant Components	<b>Materials Science &amp; Engineering</b>
<b>Jones, Lindsay</b>	<b>Session 2</b> <b>- 4</b>	The Effect of Reaeration and Temperature During Fermentation of <i>Lachancea thermotolerans</i> on Lactic Acid Production	<b>Food, Bioprocessing, and Nutrition Sciences</b>



<b>Student Presenter</b>	<b>Poster</b>	<b>Project Title</b>	<b>Content Area</b>
<b>Jones, Matthew</b> <i>Environmental Technology and Management</i>	<b>Session 1</b> <b>- 12</b>	A comparison of zinc sorption affinity to synthetic and biogenic Manganese Oxides	<b>Soil Science</b>
<b>Jordan, Jeremy</b> <i>Materials Science</i>	<b>Session 1</b> <b>- 18</b>	Molecular dynamics simulations of solvated nanoparticles for prediction of tribological properties.	<b>Materials Science &amp; Engineering</b>
<b>Joshiyura, Ishan</b>	<b>Session 2</b> <b>- 28</b>	Liquid Metal Repellency By Nanoporous Films	<b>Chemical &amp; Biomolecular Engineering</b>
<b>Jurczak, Lauren</b> <i>Zoology</i>	<b>Session 1</b> <b>- 75</b>	Visitor Perception of Elephant Behavior at the North Carolina Zoo	<b>Zoology</b>
<b>Kamke, Kristyn</b>	<b>Session 1</b> <b>- 6</b>	Evaluating results from a web-based HIV/AIDS prevention program focused on adolescent girls	<b>Psychology</b>
<b>Kassim, Sulaimon</b> <i>Environmental Science</i>	<b>Session 2</b> <b>- 49</b>	An Analysis of National Air Toxics Trends Stations (NATTS) for mobile sources in 2014	<b>Statistics</b>
<b>Kehoe, Olivia</b> <i>Biological Sciences</i>	<b>Session 1</b> <b>- 128</b>	Structural Differences of the Brain Between Autistic and Typically Developed People	<b>4-H, Youth Development, Family and Consumer Sciences</b>
<b>Keim, Isabelle</b>	<b>Session 1</b> <b>- 47</b>	TBI Treatment Effectiveness and Post-TBI Personality Alterations	<b>Biological Sciences</b>
<b>Keller, Caroline</b>	<b>Session 1</b> <b>- 121</b>	The Safety Design of a Submerged Nuclear Power Plant	<b>Nuclear Engineering</b>
<b>Keyser, Brittany</b>	<b>Session 2</b> <b>- 62</b>	Identification of Bacterial Unknowns using PCR	<b>Biochemistry</b>
<b>Khatibzadeh, Julia</b> <i>Biological Sciences</i>	<b>Session 1</b> <b>- 126</b>	Analysis of novel probiotic bacteria on the disruption of biofilm formation and colony growth by caries-associated <i>Streptococcus mutans</i>	<b>Microbiology</b>
<b>Knapp, Morgan</b> <i>Biochemistry</i>	<b>Session 1</b> <b>- 113</b>	FLIP-caspase-8 Cleavage in the Development and Activation of T-cells	<b>Biochemistry</b>
<b>Knapp, William</b> <i>Applied Mathematics</i>	<b>Session 2</b> <b>- 71</b>	Use of Force Analysis with the Cary Police Department	<b>Statistics</b>

<b>Student Presenter</b>	<b>Poster</b>	<b>Project Title</b>	<b>Content Area</b>
<b>Kovacs, Michelle</b> <i>Chemical Engineering</i>	<b>Session 2</b> <b>- 121</b>	How Dry Is Too Dry?: Experimental Drying Methods to Manufacture Anything, Anywhere Using the Power of Microbes	<b>Chemical &amp; Biomolecular Engineering</b>
<b>Kusibab, Kristie</b> <i>Statistics</i>	<b>Session 1</b> <b>- 129</b>	Qualifying Performances for the 2016 USA Olympic Marathon Trials	<b>Statistics</b>
<b>Lamb, Harold</b> <i>Biological Sciences</i>	<b>Session 1</b> <b>- 31</b>	Maternal Offspring Interactions in High Fat Exposed C57BI/6 Mice	<b>Biological Sciences</b>
<b>Landi, Edward</b> <i>Natural Resources</i>	<b>Session 2</b> <b>- 47</b>	Fields with Filter Strips Increase Grassland Bird Abundance and Diversity	<b>Forestry &amp; Environmental Resources</b>
<b>Lane, Thomas</b>	<b>Session 2</b> <b>- 46</b>	Microwave Processing of Acidified Peppers to Achieve Optimal Quality	<b>Food, Bioprocessing, and Nutrition Sciences</b>
<b>Lane, Victoria</b> <i>Animal Science</i>	<b>Session 2</b> <b>- 86</b>	Fresh Grocery Food Waste as a Supplement for Livestock Feed: Nutrient Composition and Aerobic Stability	<b>Animal Science</b>
<b>Lavendier, Kako</b> <i>Anthropology</i>	<b>Session 2</b> <b>- 55</b>	Herculaneum Rising: Balancing People and Priorities	<b>Sociology &amp; Anthropology</b>
<b>Laxer, Jake</b> <i>Human Biology</i>	<b>Session 2</b> <b>- 83</b>	Exploration of the Feasibility of 360° Video Technology in Training and Evaluation for a Nutrition Education Service-Learning Course	<b>Food, Bioprocessing, and Nutrition Sciences</b>
<b>Li, Evan</b>	<b>Session 2</b> <b>- 76</b>	Network Attacks and Automated Network Response	<b>4-H, Youth Development, Family and Consumer Sciences</b>
<b>Liao, Ashlee</b> <i>Biological Sciences and Mechanical Engineering</i>	<b>Session 2</b> <b>- 21</b>	The differential binding affinity of teleost estrogen receptors (ER) beta-a and beta-b to the breast cancer antiestrogen ICI 182,780 is altered by reciprocal mutagenesis of a conserved amino acid in the ligand binding domain.	<b>Biological Sciences</b>
<b>Lim, Sungsoh</b> <i>CBE</i>	<b>Session 1</b> <b>- 82</b>	Hydrophobic Dielectric Elastomers Fabricated with Hydrophilic Channels	<b>4-H, Youth Development, Family and Consumer Sciences</b>
<b>Litaker, Kylie</b> <i>Biology and Psychology</i>	<b>Session 2</b> <b>- 110</b>	Neurocognitive Degeneration and Effects on Human Health	<b>Biological Sciences</b>

<b>Student Presenter</b>	<b>Poster</b>	<b>Project Title</b>	<b>Content Area</b>
<b>Littlejohn, Travarus</b>	<b>Session 2</b> - 53	Dzek and Jill Learn What to Feel: Emotions in Russian and American Picture Books	<b>Psychology</b>
<b>Lola, Stephanie</b>	<b>Session 2</b> - 110	Neurocognitive Degeneration and Effects on Human Health	<b>Biological Sciences</b>
<b>Lopez, Agueo</b>	<b>Session 2</b> - 76	Network Attacks and Automated Network Response	<b>4-H, Youth Development, Family and Consumer Sciences</b>
<b>Lu, Chunhong</b>	<b>Session 2</b> - 126	Viscosity of Kraft Lignin/Polyvinyl Alcohol	<b>Textile Engineering, Chemistry &amp; Science</b>
<b>Lucas, Sarah</b>	<b>Session 2</b> - 53	Dzek and Jill Learn What to Feel: Emotions in Russian and American Picture Books	<b>Psychology</b>
<b>Luginbuhl, Sarah</b>	<b>Session 1</b> - 130	Climate Change Communication Through Social Media	<b>Environmental Science</b>
<b>Lund, Kaitlyn</b> <i>Textile Technology</i>	<b>Session 2</b> - 54	Assessment of Breast Size in Four Different Methods	<b>Textile &amp; Apparel Technology &amp; Management</b>
<b>Lunsford, Priscilla</b> <i>Industrial and Systems Engineering</i>	<b>Session 2</b> - 87	Engineers' Experiences and how they affect Global Competencies	<b>Edward P. Fitts Industrial &amp; Systems Engineering</b>
<b>Mackowiak, Megan</b>	<b>Session 1</b> - 5	Pilot Development of a Sweet Potato Sausage	<b>4-H, Youth Development, Family and Consumer Sciences</b>
<b>Maggio, Stephanie</b> <i>Food Science</i>	<b>Session 1</b> - 70	Studies on the Utilization of <i>Lachancea thermotolerans</i> in Milk Fermentation	<b>Food, Bioprocessing, and Nutrition Sciences</b>
<b>Mahmood, Atif</b>	<b>Session 1</b> - 116	Synthesis of racemic benzylic acetates and an approach to zolpidem tartrate [Ambien]	<b>Chemistry</b>
<b>Majeski, David</b> <i>Plant and Microbial Biology</i>	<b>Session 1</b> - 111	Production and Purification of <i>Arabidopsis</i> VIP1 Proteins in <i>Escherichia coli</i>	<b>Plant and Microbial Biology</b>
<b>Malone, Morgan</b> <i>Biological Sciences EEC</i>	<b>Session 1</b> - 10	IT'S ALL ABOUT THE FILLING: Changing Pat Size and Monitoring Larval Movement and Survival	<b>Entomology</b>

<b>Student Presenter</b>	<b>Poster</b>	<b>Project Title</b>	<b>Content Area</b>
<b>Mangaldas, Shana</b>	<b>Session 1</b> - 57	The effects of Geminivirus infection on expression of Auxin Response Factors in <i>Arabidopsis thaliana</i>	<b>Biochemistry</b>
<b>Mangaldas, Shana</b>	<b>Session 1</b> - 48	Geminivirus Infection and ARR7 Expression in <i>Arabidopsis</i>	<b>Biochemistry</b>
<b>Manring, Cole</b>	<b>Session 1</b> - 71	Low-Enriched Uranium Nuclear Thermal Rocket (NTR) Core Design for Manned Mars Mission	<b>Nuclear Engineering</b>
<b>Maresca-Fichter, Hailey</b> <i>Animal Science</i>	<b>Session 2</b> - 105	Effects of neonatal manganese exposure in motor activity of C57BL6/J and parkin mice	<b>Molecular Biomedical Sciences</b>
<b>Marquis, Andrew</b> <i>Applied Math</i>	<b>Session 1</b> - 77	Parameter Estimation for a lumped-parameter Cardiovascular Model	<b>Mathematics</b>
<b>Marsh, David</b>	<b>Session 2</b> - 70	Silicon Carbide Inverter for Electric Vehicle Traction Drive	<b>Electrical &amp; Computer Engineering</b>
<b>Martin, Robert</b> <i>Biochemistry</i>	<b>Session 2</b> - 84	A T-DNA Knockout Survey for Geminivirus Resistance in <i>Arabidopsis</i>	<b>Biochemistry</b>
<b>Martinez, Alyssa</b>	<b>Session 2</b> - 12	Consequences of Extrinsic Stressors on Avian and Marine Species	<b>Biological Sciences</b>
<b>Mason, Catherine</b> <i>Biology</i>	<b>Session 1</b> - 101	Real-Time Striatal Measurements of Oxidative Stress and Dopamine in the Dyskinetic Rat During Chronic L-DOPA Treatment for Parkinson's Disease	<b>Chemistry</b>
<b>Massengill, Garrett</b> <i>Electrical Engineering</i>	<b>Session 1</b> - 16	Conversion of a design laboratory into a fully functional service center	<b>Electrical &amp; Computer Engineering</b>
<b>Mattachini, Arden</b> <i>Applied Nutrition</i>	<b>Session 2</b> - 114	Development of Skills-Based Knife Safety Videos for Training Nutrition Educators	<b>Adult &amp; Higher Education</b>
<b>McCallister, Katherine</b> <i>Social Work</i>	<b>Session 2</b> - 92	Birth Parent Involvement in Informal Kinship Care: Impacts on Child Behavior	<b>Social Work</b>
<b>McCoy, Taylor</b> <i>Microbiology</i>	<b>Session 2</b> - 36	Molecular Epidemiology of Bartonella in Feline Endomyocarditis by PCR and FISH	<b>Clinical Sciences</b>

<b>Student Presenter</b>	<b>Poster</b>	<b>Project Title</b>	<b>Content Area</b>
<b>McIntyre, Claire</b>	<b>Session 1</b> - 72	Classroom Teachers' and Principals Attitudes Towards Outdoor Instruction	<b>Elementary Education</b>
<b>McKenney, Connor</b> <i>Genetics</i>	<b>Session 1</b> - 104	Modeling Fixation Probabilities in the Breeding of Recombinant Inbred Lines	<b>Genetics</b>
<b>McLamb, Lucas</b>	<b>Session 1</b> - 121	The Safety Design of a Submerged Nuclear Power Plant	<b>Nuclear Engineering</b>
<b>Mcmillen, Anna</b>	<b>Session 1</b> - 7	The Use of Methylation Patterns to Detect and Treat Disease	<b>Biological Sciences</b>
<b>McQuade, Victoria</b> <i>Biological Sciences</i>	<b>Session 2</b> - 122	Persistence of <i>Delftia acidovorans</i> under stressful conditions	<b>Biological Sciences</b>
<b>McVey, Catherine</b> <i>Animal Science</i>	<b>Session 1</b> - 64	Porcine Facial Inference: Facial biometrics as predictors of innate piglet aggression	<b>Animal Science</b>
<b>Mealín, Sean</b>	<b>Session 1</b> - 73	Towards Unsupervised Canine Posture Classification via Depth Shadow Detection and Infrared Reconstruction for Improved Image Segmentation Accuracy	<b>Computer Science</b>
<b>Mekbib, Hannahmariam</b>	<b>Session 1</b> - 29	Developing a Data Analysis Pipeline for Experiments in Granular Acoustics	<b>Physics</b>
<b>Metz, Courtney</b>	<b>Session 2</b> - 46	Microwave Processing of Acidified Peppers to Achieve Optimal Quality	<b>Food, Bioprocessing, and Nutrition Sciences</b>
<b>Meyer, Olivia</b>	<b>Session 1</b> - 6	Evaluating results from a web-based HIV/AIDS prevention program focused on adolescent girls	<b>Psychology</b>
<b>Michel, Matthew</b>	<b>Session 1</b> - 38	Visual Streamflow Detection Device	<b>Biological &amp; Agricultural Engineering</b>
<b>Milligan, Joshua</b> <i>Biomedical Engineering</i>	<b>Session 2</b> - 90	Isolation, Sequencing, and Evolutionary Relationships of a Novel <i>Paenibacillus</i> larvae-Infecting Bacteriophage	<b>Plant and Microbial Biology</b>
<b>Mirhosseini Ghamsari, Seyedsamim</b> <i>Computer Science</i>	<b>Session 1</b> - 23	StartupBot	<b>Computer Science</b>

<b>Student Presenter</b>	<b>Poster</b>	<b>Project Title</b>	<b>Content Area</b>
<b>Monazah, Sara</b> <i>Psychology</i>	<b>Session 1</b> <b>- 112</b>	Does Ethnicity Affect How Older Adults Deal with Stressors at Home?	<b>Psychology</b>
<b>Monn, Ruby</b> <i>Biochemistry</i>	<b>Session 1</b> <b>- 88</b>	Effects of a pre-synchronization protocol on heifer conception rates	<b>Animal Science</b>
<b>Moore, Curtis</b> <i>Computer Science</i>	<b>Session 1</b> <b>- 61</b>	First Year Programming Online Project Analysis Tool	<b>4-H, Youth Development, Family and Consumer Sciences</b>
<b>Morris, Benjamin</b>	<b>Session 1</b> <b>- 57</b>	The effects of Geminivirus infection on expression of Auxin Response Factors in <i>Arabidopsis thaliana</i>	<b>Biochemistry</b>
<b>Morris, Benjamin</b>	<b>Session 1</b> <b>- 48</b>	Geminivirus Infection and ARR7 Expression in <i>Arabidopsis</i>	<b>Biochemistry</b>
<b>Moschel, Miranda</b>	<b>Session 1</b> <b>- 54</b>	Galvanic Corrosion in Trunnionosis of Hip Implants	<b>Materials Science &amp; Engineering</b>
<b>Muhammad, Durreshahwar</b>	<b>Session 2</b> <b>- 38</b>	Characterization the roles of bHLH transcription factors in regulating iron homeostasis in <i>Arabidopsis thaliana</i>	<b>Plant and Microbial Biology</b>
<b>Mullmann, Mason</b>	<b>Session 1</b> <b>- 40</b>	Thermal Hydraulic Design of an LEU Nuclear Thermal Rocket	<b>Nuclear Engineering</b>
<b>Musante, Michelle</b> <i>Microbiology</i>	<b>Session 2</b> <b>- 85</b>	Isolation and Identification of Microorganisms from Artisanal Salts	<b>Applied Ecology</b>
<b>Musante, Michelle</b> <i>Microbiology</i>	<b>Session 1</b> <b>- 63</b>	Isolating fungal entomopathogens from an urban habitat	<b>Applied Ecology</b>
<b>Nalley, McKenzie</b> <i>Zoology</i>	<b>Session 2</b> <b>- 12</b>	Consequences of Extrinsic Stressors on Avian and Marine Species	<b>Biological Sciences</b>
<b>Neal, Timothy</b> <i>Biology</i>	<b>Session 2</b> <b>- 40</b>	The Development of a GRAS CRISPR-Cas9 Gene Editing System in Cassava Tissue Culture	<b>Plant and Microbial Biology</b>
<b>Neill, Kristin</b> <i>Horticulture Science</i>	<b>Session 2</b> <b>- 57</b>	Affects of UV-C Radiation on Plant Growth	<b>Horticultural Science</b>
<b>Nelson, Carly</b> <i>Food Science</i>	<b>Session 1</b> <b>- 37</b>	Mass Production Method for a Dried Ready-to-Use Therapeutic Food Ingredient	<b>4-H, Youth Development, Family and Consumer Sciences</b>
<b>Ngo, Angel</b> <i>Science, Technology, and Society</i>	<b>Session 1</b> <b>- 130</b>	Climate Change Communication Through Social Media	<b>Environmental Science</b>

<b>Student Presenter</b>	<b>Poster</b>	<b>Project Title</b>	<b>Content Area</b>
<b>Nicholson, LaTasha</b> <i>Material Science &amp; Engineering</i>	<b>Session 2</b> <b>- 68</b>	Lignin Reinforced Poly(Vinyl) Alcohol Gel Fibers	<b>Textile Engineering, Chemistry &amp; Science</b>
<b>Nishadham, Pranav</b> <i>Biomedical Engineering</i>	<b>Session 1</b> <b>- 131</b>	Machine Learning for Assessment of Tumor Heterogeneity in PET-MRI Imaging of Renal Cell Carcinomas	<b>Biomedical Engineering</b>
<b>Nishida, Rebecca</b> <i>Fisheries, Wildlife, Cons</i>	<b>Session 1</b> <b>- 22</b>	Giraffe Conservation Research and Outreach with Maasai Youth in Kenya	<b>Forestry &amp; Environmental Resources</b>
<b>Njagu, Ravyn</b> <i>Biological Sciences Human Biology Concentration</i>	<b>Session 1</b> <b>- 81</b>	Osteosarcoma Induces T Helper Cell Conversion into Immunosuppressive Treg Cells	<b>4-H, Youth Development, Family and Consumer Sciences</b>
<b>Noblitt, Christopher</b>	<b>Session 2</b> <b>- 49</b>	An Analysis of National Air Toxics Trends Stations (NATTS) for mobile sources in 2014	<b>Statistics</b>
<b>Nugent, Fulton</b> <i>Statistics</i>	<b>Session 2</b> <b>- 82</b>	Statistical Analysis of Non-Mobile Hazardous Air Pollutants (HAPs) in the United States for 2014	<b>Statistics</b>
<b>Olesnevich, Brooke</b> <i>CHE</i>	<b>Session 2</b> <b>- 5</b>	Characterization of the Neurotoxicity of a Pet Pad Material in Rats	<b>Molecular Biomedical Sciences</b>
<b>Olesnevich, Brooke</b>	<b>Session 2</b> <b>- 105</b>	Effects of neonatal manganese exposure in motor activity of C57BL6/J and parkin mice	<b>Molecular Biomedical Sciences</b>
<b>Orellana, Joseph</b>	<b>Session 1</b> <b>- 121</b>	The Safety Design of a Submerged Nuclear Power Plant	<b>Nuclear Engineering</b>
<b>Ortiz, Nathalia</b>	<b>Session 2</b> <b>- 96</b>	Anisotropic growth of Silver on Gold nanorods in the presence of salicylic acid family ligands	<b>Chemistry</b>
<b>Overdiep, Jacques</b>	<b>Session 2</b> <b>- 19</b>	Effects of Bottle Size and Agitation on Secretory IgA and Lysozyme Retention during Holder Pasteurization of Human Milk	<b>Food, Bioprocessing, and Nutrition Sciences</b>
<b>Oweida, Thomas</b> <i>Materials Science and Engr</i>	<b>Session 2</b> <b>- 60</b>	Simulations of Graphene on SAM Modified Au (111) Substrates	<b>Materials Science &amp; Engineering</b>

<b>Student Presenter</b>	<b>Poster</b>	<b>Project Title</b>	<b>Content Area</b>
<b>Ozgun, Kathryn</b> <i>Biomedical Engineering</i>	<b>Session 1</b> <b>- 98</b>	Quantification of Glucose Kinetics in PET-MRI Brain Scans	<b>Biomedical Engineering</b>
<b>Page, Ashle</b> <i>Chemical Engineering; Polymer and Color Chemistry</i>	<b>Session 1</b> <b>- 79</b>	Investigation of Polystyrene Latex Microsphere Adhesion to Wind Tunnel Surfaces	<b>Chemical &amp; Biomolecular Engineering</b>
<b>Palacio, Dakota</b> <i>Animal Science</i>	<b>Session 1</b> <b>- 68</b>	Examining Seasonal Co-Occurrence of Tick Species in Raleigh, North Carolina with a focus on the encroachment of the Gulf Coast Tick ( <i>Amblyomma maculatum</i> )	<b>4-H, Youth Development, Family and Consumer Sciences</b>
<b>Palekar, Alisha</b>	<b>Session 2</b> <b>- 79</b>	Social Dominance Among Selectively Bred Zebrafish	<b>Biological Sciences</b>
<b>Panda, Sambit</b> <i>Biomedical Engineering</i>	<b>Session 2</b> <b>- 119</b>	Determining the Sources That Contribute to Extracellular H <sub>2</sub> O <sub>2</sub> Dynamics in the Striatum	<b>Chemistry</b>
<b>Pearse, Maxwell</b>	<b>Session 2</b> <b>- 16</b>	A Statistical Analysis of the Effect of Ground Cover on Soil Temperature in North Carolina	<b>Statistics</b>
<b>Peterson, Benjamin</b> <i>Materials Science and Engr</i>	<b>Session 1</b> <b>- 90</b>	Self-Assembly of Iridium Based Complexes	<b>Materials Science &amp; Engineering</b>
<b>Piercy, Hope</b> <i>Biomedical Engineering</i>	<b>Session 2</b> <b>- 109</b>	Age Dependent Anatomical Changes in the Porcine Menisci	<b>Biomedical Engineering</b>
<b>Porter, Kinsey</b>	<b>Session 2</b> <b>- 4</b>	The Effect of Reaeration and Temperature During Fermentation of <i>Lachancea thermotolerans</i> on Lactic Acid Production	<b>Food, Bioprocessing, and Nutrition Sciences</b>
<b>Poteet, Austen</b> <i>Aerospace Engineering</i>	<b>Session 2</b> <b>- 24</b>	ecoPRT Personal Rapid Transit Development	<b>Mechanical &amp; Aerospace Engineering</b>
<b>Prentice, Ty</b>	<b>Session 1</b> <b>- 38</b>	Visual Streamflow Detection Device	<b>Biological &amp; Agricultural Engineering</b>
<b>Price, Kenneth</b> <i>Chemistry</i>	<b>Session 2</b> <b>- 59</b>	Synthesis of 2,2'-(((2-hydroxyethyl)azanediyl)bis(methylene))bis(4-methoxyphenol) ligand	<b>Chemistry</b>



<b>Student Presenter</b>	<b>Poster</b>	<b>Project Title</b>	<b>Content Area</b>
<b>Ralph, Taylor</b>	<b>Session 1</b> - 43	Testing for Geminivirus Resistance Among Ecotypes of <i>Arabidopsis thaliana</i>	<b>Molecular &amp; Structural Biochemistry</b>
<b>Randolph, Maura</b>	<b>Session 1</b> - 99	Physical and electrical characterization of NbTi/Cu composite superconducting wire	<b>Materials Science &amp; Engineering</b>
<b>Randolph, Maura</b>	<b>Session 1</b> - 124	Simulating inorganic solids with molecular dynamics	<b>Materials Science &amp; Engineering</b>
<b>Rao, Vishwas</b> <i>Chemistry</i>	<b>Session 1</b> - 109	Probing and characterizing the promiscuity of Germicidin Synthase (GsC), an unusual biosynthetic enzyme	<b>Chemistry</b>
<b>Ratliff, Whitney</b>	<b>Session 1</b> - 94	Exploring Issues Related to Antibiotic Resistance and Antibiotic Use in Animal Agriculture	<b>Poultry Science</b>
<b>Reagan, Shane</b> <i>Electrical Engineering</i>	<b>Session 2</b> - 31	Artificial Compound Imaging System using Geometric Phase Lenses	<b>Electrical &amp; Computer Engineering</b>
<b>Reeves, Brianna</b> <i>Biological Sciences</i>	<b>Session 1</b> - 46	Biological and clinical similarities between autism and schizophrenia	<b>Biological Sciences</b>
<b>Reid, Megan</b> <i>Biochemistry</i>	<b>Session 1</b> - 43	Testing for Geminivirus Resistance Among Ecotypes of <i>Arabidopsis thaliana</i>	<b>Molecular &amp; Structural Biochemistry</b>
<b>Reinecke, Nicholas</b> <i>Life Sciences First Year</i>	<b>Session 1</b> - 60	Unusual Organisms for Bio-medical Research	<b>Biological Sciences</b>
<b>Rezaei, Farzad</b>	<b>Session 1</b> - 107	Superhydrophobic/Oleophobic Coatings Based on Catalyst Driven Thiol-ene-epoxy Reaction	<b>Chemical &amp; Biomolecular Engineering</b>
<b>Rhoades, Tayler</b> <i>Anthropology</i>	<b>Session 1</b> - 97	The Rise and Fall of Community Online	<b>4-H, Youth Development, Family and Consumer Sciences</b>
<b>Rhodes, Jessica</b>	<b>Session 1</b> - 40	Thermal Hydraulic Design of an LEU Nuclear Thermal Rocket	<b>Nuclear Engineering</b>
<b>Rhoney, Mikayli</b>	<b>Session 2</b> - 105	Effects of neonatal manganese exposure in motor activity of C57BL6/J and parkin mice	<b>Molecular Biomedical Sciences</b>

<b>Student Presenter</b>	<b>Poster</b>	<b>Project Title</b>	<b>Content Area</b>
<b>Rice, Natalie</b> <i>Chemistry</i>	<b>Session 2</b> <b>- 25</b>	Development and Study of Heterobimetallic Catalysts for CO <sub>2</sub> /Anhydride Copolymerization	<b>Chemistry</b>
<b>Ridout, Charlotte</b> <i>Chemistry</i>	<b>Session 2</b> <b>- 88</b>	Synthesis of 6-(3,4-dibromopyrrol-2-yl)-1,1-dimethoxy-4,4-dimethyl-5-nitrohexan-2-one, a precursor to a 2,3,12,13-tetrabromobacteriochlorin	<b>Chemistry</b>
<b>Rikard, Stephanie</b> <i>Biomedical Engineering</i>	<b>Session 2</b> <b>- 74</b>	Adult Lung Spheroid Cells Mediate Regeneration in Allogeneic Model for Rodents with Bleomycin-Induced Pulmonary Fibrosis	<b>Biomedical Engineering</b>
<b>Riley, Sara</b> <i>Biomedical Engineering</i>	<b>Session 1</b> <b>- 19</b>	Purification and activity of a lysin encoded by <i>Paenibacillus</i> larvae bacteriophage Rani and its potential use against American Foulbrood disease of honey bees	<b>Plant and Microbial Biology</b>
<b>Ring, Lynde</b> <i>Food Science</i>	<b>Session 1</b> <b>- 5</b>	Pilot Development of a Sweet Potato Sausage	<b>4-H, Youth Development, Family and Consumer Sciences</b>
<b>Risalvato, Rebecca</b> <i>Fashion and Textile Management-Brand Management and Marketing</i>	<b>Session 2</b> <b>- 39</b>	The Benefits of United States Based Textile and Apparel Manufacturing	<b>Textile &amp; Apparel Technology &amp; Management</b>
<b>Rivera Serrano, Efrain</b>	<b>Session 1</b> <b>- 114</b>	Reovirus Protein mu2 Co-Localizes and Forms Complex with Nuclear Protein SC-35	<b>Molecular Biomedical Sciences</b>
<b>Roberts, Joseph</b> <i>Microbiology</i>	<b>Session 2</b> <b>- 78</b>	Analysis of Plant and Microbiome Associations	<b>Biological Sciences</b>
<b>Roberts, Loren</b> <i>Genetics</i>	<b>Session 2</b> <b>- 7</b>	Use of CRISPR-Cas9 Genome Editing to Develop a Transient System in Cassava	<b>Plant and Microbial Biology</b>
<b>Roberts, Rossana</b> <i>Psychology</i>	<b>Session 2</b> <b>- 52</b>	Assessing Ethnic Differences in Adolescent Acceptability of an Online Sexual Health Intervention Program	<b>Psychology</b>
<b>Robinett, Michael</b> <i>Chemical Engineering</i>	<b>Session 2</b> <b>- 91</b>	Development of a Continuous Falling Film Bioreactor	<b>Chemical &amp; Biomolecular Engineering</b>
<b>Rowley, Benjamin</b>	<b>Session 1</b> <b>- 54</b>	Galvanic Corrosion in Trunnionosis of Hip Implants	<b>Materials Science &amp; Engineering</b>

<b>Student Presenter</b>	<b>Poster</b>	<b>Project Title</b>	<b>Content Area</b>
<b>Royal, Savannah</b> <i>Animal Science</i>	<b>Session 2</b> <b>- 34</b>	Comparison of calving data among Jersey, Jersey x Holstein crosses, and Norwegian Red x Holstein x Jersey crosses	<b>Animal Science</b>
<b>Rupert, Christopher</b>	<b>Session 2</b> <b>- 19</b>	Effects of Bottle Size and Agitation on Secretory IgA and Lysozyme Retention during Holder Pasteurization of Human Milk	<b>Food, Bioprocessing, and Nutrition Sciences</b>
<b>Russell, Hayley</b>	<b>Session 2</b> <b>- 128</b>	An ArpU-like regulatory protein controlling cell lysis is encoded by <i>Paenibacillus</i> larvae bacteriophage Mock2	<b>Plant and Microbial Biology</b>
<b>Rutherford, Jacob</b> <i>Microbiology</i>	<b>Session 1</b> <b>- 58</b>	Intracellular Copper and Oxidative Stress in E. coli	<b>Microbiology</b>
<b>Sabin, Sean</b> <i>Food Science</i>	<b>Session 1</b> <b>- 106</b>	Effects of increasing krebs cycle capacity by providing anaplerotic carbon and ketogenic fatty acids on palmitic acid oxidation in kidney of neonatal piglets	<b>Animal Science</b>
<b>Sabin, Sean</b>	<b>Session 2</b> <b>- 19</b>	Effects of Bottle Size and Agitation on Secretory IgA and Lysozyme Retention during Holder Pasteurization of Human Milk	<b>Food, Bioprocessing, and Nutrition Sciences</b>
<b>Saniga, Kristen</b>	<b>Session 1</b> <b>- 102</b>	Development of a Flavor Extract Ingredient from Raw Crab Shell	<b>Food, Bioprocessing, and Nutrition Sciences</b>
<b>Sarmadi, Shayan</b> <i>Biological Sciences:</i> <i>Human Biology</i>	<b>Session 1</b> <b>- 3</b>	Effect of Topical Hydroxytyrosol Administration on Radiotherapy-Induced Tongue Injury (Glossitis)	<b>Clinical Sciences</b>
<b>Saunders, Tykori</b>	<b>Session 2</b> <b>- 17</b>	A Comparison of Rain Gauge Types used by the North Carolina State Climate Office	<b>Statistics</b>
<b>Schrader, Hannah</b>	<b>Session 1</b> <b>- 125</b>	Utilizing the specific mechanisms impacted by DNA damage in genetic disorders to design targeted gene therapies using amniotic stem cells	<b>4-H, Youth Development, Family and Consumer Sciences</b>
<b>Schuetz, Robert</b>	<b>Session 1</b> <b>- 70</b>	Studies on the Utilization of <i>Lachancea thermotolerans</i> in Milk Fermentation	<b>Food, Bioprocessing, and Nutrition Sciences</b>

<b>Student Presenter</b>	<b>Poster</b>	<b>Project Title</b>	<b>Content Area</b>
<b>Scott, Cassidy</b> <i>Biology</i>	<b>Session 2</b> <b>- 80</b>	Proteomics of striped bass ( <i>Morone saxatilis</i> ) egg quality evaluated by machine learning	<b>Applied Ecology</b>
<b>Scruggs, Kathryn</b> <i>Applied Nutrition</i>	<b>Session 2</b> <b>- 114</b>	Development of Skills-Based Knife Safety Videos for Training Nutrition Educators	<b>Adult &amp; Higher Education</b>
<b>Seals, Nathaniel</b> <i>Microbiology</i>	<b>Session 1</b> <b>- 118</b>	Comparative analysis of RNase P RNA in Chloroflexi	<b>Microbiology</b>
<b>Sehra, Bhupinder</b>	<b>Session 1</b> <b>- 96</b>	Dissecting the regulation of fruit dehiscence (pod shatter) in <i>Arabidopsis thaliana</i>	<b>Plant and Microbial Biology</b>
<b>Serem, Nicole</b> <i>Polymer and Color Chemistry</i>	<b>Session 2</b> <b>- 56</b>	“Click” Molecular Modification of Lignin	<b>Textile Engineering, Chemistry &amp; Science</b>
<b>Sertsuvalkul, Nyd</b> <i>Plant Biology</i>	<b>Session 2</b> <b>- 38</b>	Characterization the roles of bHLH transcription factors in regulating iron homeostasis in <i>Arabidopsis thaliana</i>	<b>Plant and Microbial Biology</b>
<b>Shaikh, Hasan</b> <i>Biochemistry</i>	<b>Session 1</b> <b>- 52</b>	Uncovering if closely related ecotypes show resistance to geminivirus in <i>Arabidopsis</i>	<b>4-H, Youth Development, Family and Consumer Sciences</b>
<b>Shaji, Jeen</b> <i>Management Undeclared</i>	<b>Session 2</b> <b>- 3</b>	Influence of Power Distance on Abortion Attitudes	<b>4-H, Youth Development, Family and Consumer Sciences</b>
<b>Shaughnessy, Emma</b> <i>Biochemistry</i>	<b>Session 2</b> <b>- 104</b>	A rat model of environmentally induced breast cancer in males and females	<b>Biochemistry</b>
<b>Shin, Albert</b> <i>Chemical Engineering</i>	<b>Session 1</b> <b>- 95</b>	Controlling the Phase Behavior of Thermoplastic Elastomer Gels by Block Copolymer Sequencing	<b>Chemical &amp; Biomolecular Engineering</b>
<b>Sidoti, Anna</b> <i>Biological Sciences</i>	<b>Session 1</b> <b>- 46</b>	Biological and clinical similarities between autism and schizophrenia	<b>Biological Sciences</b>
<b>Siegel, Melissa</b> <i>Zoology</i>	<b>Session 1</b> <b>- 67</b>	Comparing confined vs. free ranging Varecia in seasonal housing: Is welfare impacted by housing?	<b>Zoology</b>
<b>Sikes, Julie</b> <i>Geology</i>	<b>Session 2</b> <b>- 27</b>	Investigation of Saltwater Intrusion on the Albemarle-Pamlico Peninsula	<b>Forestry &amp; Environmental Resources</b>

<b>Student Presenter</b>	<b>Poster</b>	<b>Project Title</b>	<b>Content Area</b>
<b>Singa-Craddock, Germain</b>	<b>Session 1 - 54</b>	Galvanic Corrosion in Trunnionosis of Hip Implants	<b>Materials Science &amp; Engineering</b>
<b>Singh, Pragya</b> <i>Microbiology</i>	<b>Session 2 - 11</b>	The Role of CueO in Copper Toxicity in <i>Campylobacter jejuni</i> and <i>E. coli</i>	<b>Microbiology</b>
<b>Slaydon, Joshua</b> <i>Genetics</i>	<b>Session 2 - 45</b>	Applications of Microbiology in Human Health	<b>Biological Sciences</b>
<b>Smith, Connor</b>	<b>Session 2 - 91</b>	Development of a Continuous Falling Film Bioreactor	<b>Chemical &amp; Biomolecular Engineering</b>
<b>Soliman, Kristie</b>	<b>Session 1 - 121</b>	The Safety Design of a Submerged Nuclear Power Plant	<b>Nuclear Engineering</b>
<b>Sorrell, Nina</b> <i>Nuclear Engineering</i>	<b>Session 1 - 71</b>	Low-Enriched Uranium Nuclear Thermal Rocket (NTR) Core Design for Manned Mars Mission	<b>Nuclear Engineering</b>
<b>Souders, Zachary</b> <i>Architecture</i>	<b>Session 1 - 85</b>	Income Inequality and Housing	<b>Architecture</b>
<b>Sozanski, Kyle</b> <i>Biological Sciences</i>	<b>Session 1 - 66</b>	The Ecological Effects of Leaf Litter Removal and Prescribed Burn Treatments on Organisms	<b>Entomology</b>
<b>Spells, Bryon</b>	<b>Session 2 - 70</b>	Silicon Carbide Inverter for Electric Vehicle Traction Drive	<b>Electrical &amp; Computer Engineering</b>
<b>Spirina, Alena</b> <i>Genetics</i>	<b>Session 1 - 125</b>	Utilizing the specific mechanisms impacted by DNA damage in genetic disorders to design targeted gene therapies using amniotic stem cells	<b>4-H, Youth Development, Family and Consumer Sciences</b>
<b>Sridharan, Sreepadha</b> <i>Neurobiology</i>	<b>Session 2 - 69</b>	Protein expression in rat mesothelial cells due to exposure to carbon nanotubes with Atomic Layer Deposition (ALD) coating	<b>Biological Sciences</b>
<b>Stallings, Collene</b>	<b>Session 2 - 4</b>	The Effect of Reaeration and Temperature During Fermentation of <i>Lachancea thermotolerans</i> on Lactic Acid Production	<b>Food, Bioprocessing, and Nutrition Sciences</b>
<b>Stanley, Sarah</b> <i>Chemistry</i>	<b>Session 1 - 32</b>	Preventing Nosocomial Infections: Antimicrobial Photodynamic Textiles	<b>Chemistry</b>

<b>Student Presenter</b>	<b>Poster</b>	<b>Project Title</b>	<b>Content Area</b>
<b>Starenchak, Holly</b> <i>Zoology</i>	<b>Session 1</b> <b>- 2</b>	Captive Parrot Feeding Styles and Future Directions for Improving Captive Avian Welfare	<b>Zoology</b>
<b>Stephenson, Callie</b> <i>Biology: Ecology, Evolution, &amp; Conservation Biology</i>	<b>Session 2</b> <b>- 6</b>	Ichthyology Specimen Curation for North Carolina State University Teaching Laboratories	<b>Applied Ecology</b>
<b>Stocking, Casey</b> <i>Nuclear Engineering</i>	<b>Session 1</b> <b>- 40</b>	Thermal Hydraulic Design of an LEU Nuclear Thermal Rocket	<b>Nuclear Engineering</b>
<b>Stolsworth, Bailey</b>	<b>Session 1</b> <b>- 94</b>	Exploring Issues Related to Antibiotic Resistance and Antibiotic Use in Animal Agriculture	<b>Poultry Science</b>
<b>Stout, Alexa</b> <i>Biological Sciences</i>	<b>Session 2</b> <b>- 95</b>	Measuring Change: Service Learning Experiences Influence Behavior, Attitude and Values of Pre-Health Students	<b>Biological Sciences</b>
<b>Strawbridge, Laura</b> <i>Microbiology</i>	<b>Session 1</b> <b>- 26</b>	Horizontal Gene Transfer via a Defective Phage in <i>Bacillus pumilus</i>	<b>Plant and Microbial Biology</b>
<b>Stull, Meredith</b> <i>Environmental Technology and Management</i>	<b>Session 1</b> <b>- 17</b>	Using Geospatial Data to Model Bicycle and Pedestrian Facilities in North Carolina	<b>Forestry &amp; Environmental Resources</b>
<b>Stupka, Alexandra</b>	<b>Session 1</b> <b>- 102</b>	Development of a Flavor Extract Ingredient from Raw Crab Shell	<b>Food, Bioprocessing, and Nutrition Sciences</b>
<b>Suazo, Giselle</b> <i>Biochemistry</i>	<b>Session 2</b> <b>- 81</b>	Detection of a Duplication Mutation of the myo-3 gene in <i>Caenorhabditis elegans</i> by Polymerase Chain Reaction	<b>4-H, Youth Development, Family and Consumer Sciences</b>
<b>Sullivan, Jessica</b> <i>Physics</i>	<b>Session 2</b> <b>- 23</b>	Modeling Kepler's Supernova Remnant with VH-1	<b>Physics</b>
<b>Summers, Mary</b> <i>Chemical Engineering</i>	<b>Session 2</b> <b>- 72</b>	Aerogels for 3D Integration of Nanoelectronics	<b>Materials Science &amp; Engineering</b>
<b>Sutton, Caleb</b>	<b>Session 1</b> <b>- 121</b>	The Safety Design of a Submerged Nuclear Power Plant	<b>Nuclear Engineering</b>
<b>Swett, Jillian</b> <i>Political Science</i>	<b>Session 2</b> <b>- 37</b>	Political Oversight of the Central Intelligence Agency	<b>Political Science</b>

<b>Student Presenter</b>	<b>Poster</b>	<b>Project Title</b>	<b>Content Area</b>
<b>Swygert, Noah</b> <i>Materials Science and Engineering</i>	<b>Session 1</b> <b>- 13</b>	Electric Field Sintering of Undoped Barium Titanate	<b>Materials Science &amp; Engineering</b>
<b>Swygert, Noah</b>	<b>Session 2</b> <b>- 108</b>	Electrochemical Sensor for Sweat Sensing	<b>Materials Science &amp; Engineering</b>
<b>Szczytko, Rachel</b>	<b>Session 2</b> <b>- 43</b>	How Teacher Beliefs Around Climate Change Influence Student Understanding	<b>Fisheries, Wildlife, and Conservation Biology Program</b>
<b>Talikoti, Ananya</b> <i>Genetics</i>	<b>Session 2</b> <b>- 128</b>	An ArpU-like regulatory protein controlling cell lysis is encoded by <i>Paenibacillus</i> larvae bacteriophage Mock2	<b>Plant and Microbial Biology</b>
<b>Talley, James</b> <i>Chemical Engineering</i>	<b>Session 1</b> <b>- 107</b>	Superhydrophobic/Oleophobic Coatings Based on Catalyst Driven Thiol-ene-epoxy Reaction	<b>Chemical &amp; Biomolecular Engineering</b>
<b>Taylor, Blaine</b> <i>Nuclear Engineering</i>	<b>Session 1</b> <b>- 103</b>	Evaluating the turbulence statistics based on direct numerical simulation results	<b>Nuclear Engineering</b>
<b>Teeling, Kathilynn</b> <i>Animal Science</i>	<b>Session 1</b> <b>- 127</b>	Novel expression system to elucidate the translation strategy of avian astroviruses	<b>Poultry Science</b>
<b>Tesch, Deanna</b>	<b>Session 1</b> <b>- 86</b>	Structural analysis of nAChR in its native-like membrane environment by solid-state NMR	<b>Chemistry</b>
<b>Thai, Amy</b> <i>International Studies</i>	<b>Session 2</b> <b>- 61</b>	I do or maybe I don't: Investigating how the recent trend of delaying or avoiding marriage affects Spain's future	<b>Interdisciplinary Programs</b>
<b>Thatavarty, Apoorva</b> <i>Chemical Engineering</i>	<b>Session 1</b> <b>- 100</b>	Colorimetric Pathogen Detection via Coupled-Enzyme System	<b>4-H, Youth Development, Family and Consumer Sciences</b>
<b>Thompson, Alexandra</b> <i>Biological Sciences</i>	<b>Session 2</b> <b>- 123</b>	Persistent Effects of Social Defeat	<b>Biological Sciences</b>
<b>Thompson, Emma</b> <i>Biochemistry</i>	<b>Session 1</b> <b>- 42</b>	Investigating the molecular subclassification of canine hemangiosarcomas as a potential diagnostic and prognostic tool	<b>Genetics</b>

<b>Student Presenter</b>	<b>Poster</b>	<b>Project Title</b>	<b>Content Area</b>
<b>Thompson, Kelly</b> <i>Integrative Physiology and Neurobiology</i>	<b>Session 2</b> <b>- 64</b>	Expression of Isotocin in the <i>Thalassoma bifasciatum</i> Teleost Brain	<b>Biological Sciences</b>
<b>Toti, Alexandra</b> <i>Elementary Education</i>	<b>Session 1</b> <b>- 72</b>	Classroom Teachers' and Principals Attitudes Towards Outdoor Instruction	<b>Elementary Education</b>
<b>Tripathi, Anurodh</b>	<b>Session 2</b> <b>- 28</b>	Liquid Metal Repellency By Nanoporous Films	<b>Chemical &amp; Biomolecular Engineering</b>
<b>Troutman, Zachary</b>	<b>Session 1</b> <b>- 102</b>	Development of a Flavor Extract Ingredient from Raw Crab Shell	<b>Food, Bioprocessing, and Nutrition Sciences</b>
<b>Tuhin, Mohammad</b>	<b>Session 2</b> <b>- 58</b>	Conductive Phase-Change Elastomer Gels for Remote Shape-Memory Activation	<b>4-H, Youth Development, Family and Consumer Sciences</b>
<b>Turner, Abigail</b>	<b>Session 1</b> <b>- 94</b>	Exploring Issues Related to Antibiotic Resistance and Antibiotic Use in Animal Agriculture	<b>Poultry Science</b>
<b>Turner, Kenneth</b>	<b>Session 1</b> <b>- 38</b>	Visual Streamflow Detection Device	<b>Biological &amp; Agricultural Engineering</b>
<b>Ufland, Zachary</b> <i>Chemistry</i>	<b>Session 1</b> <b>- 116</b>	Synthesis of racemic benzylic acetates and an approach to zolpidem tartrate [Ambien]	<b>Chemistry</b>
<b>Urdaneta Rodriguez, Alejandra</b>	<b>Session 2</b> <b>- 108</b>	Electrochemical Sensor for Sweat Sensing	<b>Materials Science &amp; Engineering</b>
<b>Valeriano, Julio</b> Electrical and Computer Engineering	<b>Session 2</b> <b>- 48</b>	Multi-Output Flyback Converter	<b>Electrical &amp; Computer Engineering</b>
<b>Vandegrift, Keith</b> <i>Materials Science and Engr</i>	<b>Session 1</b> <b>- 29</b>	Developing a Data Analysis Pipeline for Experiments in Granular Acoustics	<b>Physics</b>
<b>Varin, Zachary</b> <i>Microbiology</i>	<b>Session 2</b> <b>- 85</b>	Isolation and Identification of Microorganisms from Artisanal Salts	<b>Applied Ecology</b>
<b>Venezia, Rebecca</b> <i>Marine Science Biological Oceanography/ Fisheries and Wildlife Conservation Biology</i>	<b>Session 2</b> <b>- 103</b>	Physiological Stress Response of Snowshoe Hares ( <i>Lepus americanus</i> ) to Environmental Enrichment	<b>Forestry &amp; Environmental Resources</b>



<b>Student Presenter</b>	<b>Poster</b>	<b>Project Title</b>	<b>Content Area</b>
<b>Wade, Samuel</b>	<b>Session 1</b> - 60	Unusual Organisms for Bio-medical Research	<b>Biological Sciences</b>
<b>Wall, Alexander</b>	<b>Session 1</b> - 93	Enhanced Peripheral Nerve Regeneration Using Neural Conduits and Stem Cells	<b>4-H, Youth Development, Family and Consumer Sciences</b>
<b>Waller, Katherine</b> <i>English</i>	<b>Session 2</b> - 93	Classroom Environments as a Context for Fulfilling Students' Desires to Stand Out	<b>Curriculum, Instruction &amp; Counselor Education</b>
<b>Wang, Chuyue</b> <i>Applied Math and Statistics</i>	<b>Session 2</b> - 10	Sensitivity Analysis: Sensitivity Equations vs. Complex-Step Method	<b>Mathematics</b>
<b>Wang, Chuyue</b>	<b>Session 2</b> - 10	Sensitivity Analysis: Sensitivity Equations vs. Complex-Step Method	<b>Mathematics</b>
<b>Wang, Jim</b> <i>Nuclear Engineering</i>	<b>Session 1</b> - 132	A low cost, performance transparent nuclear fuel assembly with improved accident tolerance for existing nuclear reactor systems	<b>Nuclear Engineering</b>
<b>Wang, Ling</b>	<b>Session 2</b> - 44	Improving start-up of anaerobic reactors by understanding the relationship between reactor function and microbial community structure	<b>Civil, Construction &amp; Environmental Engineering</b>
<b>Wang, Wendy</b> <i>Physics</i>	<b>Session 2</b> - 113	Atomic force microscopy studies of mechanism of TRF2-mediated T-loop formation	<b>Physics</b>
<b>Wang, Xuechun</b> <i>Biomedical Engineering</i>	<b>Session 2</b> - 73	Fluorescent labeling of telomere binding proteins for single-molecule studies	<b>Physics</b>
<b>Ward, Terrence</b>	<b>Session 1</b> - 37	Mass Production Method for a Dried Ready-to-Use Therapeutic Food Ingredient	<b>4-H, Youth Development, Family and Consumer Sciences</b>
<b>Wareham, Lauren</b>	<b>Session 1</b> - 94	Exploring Issues Related to Antibiotic Resistance and Antibiotic Use in Animal Agriculture	<b>Poultry Science</b>
<b>Waschka, Lana</b> <i>Statistics</i>	<b>Session 2</b> - 125	International Marketing for Chess Books	<b>Business Management</b>
<b>Wasson, Jewel</b>	<b>Session 1</b> - 123	Combining Chemotherapy, PARPi Treatment, and Microbiome Manipulation to Promote Tumor Suppression	<b>4-H, Youth Development, Family and Consumer Sciences</b>

<b>Student Presenter</b>	<b>Poster</b>	<b>Project Title</b>	<b>Content Area</b>
<b>Weidle, Nicholas</b>	<b>Session 2 - 91</b>	Development of a Continuous Falling Film Bioreactor	<b>Chemical &amp; Biomolecular Engineering</b>
<b>Wenclawski, Stephanie</b> <i>Marine Sciences</i>	<b>Session 1 - 53</b>	Using Novel Methods to Determine Marine Megafauna Distribution in Areas of Anthropogenic Disturbance	<b>Applied Ecology</b>
<b>Wendland, Paige</b> <i>Food Science</i>	<b>Session 2 - 19</b>	Effects of Bottle Size and Agitation on Secretory IgA and Lysozyme Retention during Holder Pasteurization of Human Milk	<b>Food, Bioprocessing, and Nutrition Sciences</b>
<b>Wethington, Parker</b>	<b>Session 2 - 30</b>	Microstructural Characterization of Additive Manufactured Titanium Implant Components	<b>Materials Science &amp; Engineering</b>
<b>Whitfield, Sean</b>	<b>Session 1 - 37</b>	Mass Production Method for a Dried Ready-to-Use Therapeutic Food Ingredient	<b>4-H, Youth Development, Family and Consumer Sciences</b>
<b>Widmayer, Samuel</b>	<b>Session 1 - 104</b>	Modeling Fixation Probabilities in the Breeding of Recombinant Inbred Lines	<b>Genetics</b>
<b>Williams, Brooke</b>	<b>Session 1 - 108</b>	Memory Alterations Due to Anatomical and Physiological Abnormalities	<b>Biological Sciences</b>
<b>Williams, Kaitlyn</b> <i>Biochemistry</i>	<b>Session 2 - 8</b>	Buffer Optimization for the Bacterial Biofilm Protein, SlrA	<b>Biochemistry</b>
<b>Williams, Robert</b> <i>Fisheries, Wildlife and Conservation Biology</i>	<b>Session 1 - 51</b>	Examining Spatial and Temporal Partitioning Between Two Common Mesopredators	<b>Applied Ecology</b>
<b>Williams, Tori</b> <i>History and Biology</i>	<b>Session 2 - 107</b>	How the Architectural Function of Babies Hospital in Wrightsville Beach, NC Transformed Throughout the 20th Century	<b>History</b>
<b>Williams-Mcdowell, Mckinley</b>	<b>Session 1 - 94</b>	Exploring Issues Related to Antibiotic Resistance and Antibiotic Use in Animal Agriculture	<b>Poultry Science</b>
<b>Williamson, Kelsey</b>	<b>Session 1 - 57</b>	The effects of Geminivirus infection on expression of Auxin Response Factors in <i>Arabidopsis thaliana</i>	<b>Biochemistry</b>

<b>Student Presenter</b>	<b>Poster</b>	<b>Project Title</b>	<b>Content Area</b>
<b>Williamson, Kelsey</b> <i>Biological Sciences</i>	<b>Session 1</b> <b>- 48</b>	Geminivirus Infection and ARR7 Expression in <i>Arabidopsis</i>	<b>Biochemistry</b>
<b>Willis, Travis</b> <i>Nuclear Engineering</i>	<b>Session 1</b> <b>- 30</b>	Simulation of SiC-based Accident Tolerant Fuels	<b>Nuclear Engineering</b>
<b>Winchester, Shelby</b> <i>Biology</i>	<b>Session 2</b> <b>- 2</b>	Monitoring Real-Time Dopamine Fluctuations During Impulsive Decision Making	<b>Chemistry</b>
<b>Witzen, Wyatt</b>	<b>Session 2</b> <b>- 30</b>	Microstructural Characterization of Additive Manufactured Titanium Implant Components	<b>Materials Science &amp; Engineering</b>
<b>Woessner, Sara</b> <i>Biological Sciences</i>	<b>Session 1</b> <b>- 76</b>	Cancer Therapy: Early Detection Using Biomarkers and Treatment with miRNAs and Exosome Drug-Delivery Vehicles	<b>Biological Sciences</b>
<b>Woolard, Colin</b>	<b>Session 1</b> <b>- 8</b>	The role of posttranslationally modified CLE peptides and BAM1 receptor kinase in plant meristem development	<b>Biochemistry</b>
<b>Woolard, Colin</b> <i>Biochemistry</i>	<b>Session 1</b> <b>- 41</b>	Polyhistidine Tag and Its Effect on Global Fold of Response Regulator Protein, Spo0F	<b>Biochemistry</b>
<b>Wright, Olivia</b> <i>Statistics</i>	<b>Session 2</b> <b>- 101</b>	The Meaning of Missing: A Statistical Analysis of Reporting Noncompliance for the United Nations Comtrade Database	<b>Statistics</b>
<b>Yaworski, Kelly</b>	<b>Session 2</b> <b>- 17</b>	A Comparison of Rain Gauge Types used by the North Carolina State Climate Office	<b>Statistics</b>
<b>Yeh, Jacqueline</b> <i>Environmental Engineering</i>	<b>Session 2</b> <b>- 44</b>	Improving start-up of anaerobic reactors by understanding the relationship between reactor function and microbial community structure	<b>Civil, Construction &amp; Environmental Engineering</b>
<b>Yeoh, Ghim Hann</b>	<b>Session 1</b> <b>- 70</b>	Studies on the Utilization of <i>Lachancea thermotolerans</i> in Milk Fermentation	<b>Food, Bioprocessing, and Nutrition Sciences</b>
<b>Yim, Sarah</b> <i>Environmental Science</i>	<b>Session 2</b> <b>- 14</b>	Compost Tea Comparative study with Red Salad Lettuce and Early Scarlet Globe Radishes	<b>Crop Science</b>

<b>Student Presenter</b>	<b>Poster</b>	<b>Project Title</b>	<b>Content Area</b>
<b>Younce, Brent</b> <i>Computer Science</i>	<b>Session 2</b> <b>- 76</b>	Network Attacks and Automated Network Response	<b>4-H, Youth Development, Family and Consumer Sciences</b>
<b>Yu, Yonghui</b> <i>Statistic</i>	<b>Session 2</b> <b>- 17</b>	A Comparison of Rain Gauge Types used by the North Carolina State Climate Office	<b>Statistics</b>
<b>Zaytoun, Taylor</b> <i>Fashion and Textile Management</i>	<b>Session 2</b> <b>- 18</b>	Corporate Social Responsibility in Textile Industry	<b>Textile &amp; Apparel Technology &amp; Management</b>
<b>Zermeno, Maria</b>	<b>Session 1</b> <b>- 118</b>	Comparative analysis of RNase P RNA in Chloroflexi	<b>Microbiology</b>
<b>Zhang, Yongqi</b>	<b>Session 1</b> <b>- 70</b>	Studies on the Utilization of <i>Lachancea thermotolerans</i> in Milk Fermentation	<b>Food, Bioprocessing, and Nutrition Sciences</b>