Position	First Name	Last Name	Affiliation	Topic/Area	Title
1	Uvina	Allen	UNCP	Botany, Ecology, Environmental Sciences	Investigation of the antimicrobial activity of Native Medicinal Plant Nyssa Sylvatica var. Biflora against commensal human microflora.
2	Cassandra	Barlogio	UNCP	Botany, Ecology, Environmental Sciences	Discovering the Microbial Diversity of the Lumber River
3	Katie	Buckman	WTCC	Botany, Ecology, Environmental Sciences	DNA Barcoding in Species Identification: Family Theridiidae, Comb Footed Spiders
4	Julian	Butler	UNCP	Botany, Ecology, Environmental Sciences	Time series analysis of annual cooling degree-day totals in the Southeastern North Carolina Climate Division
5	Gabby	Downs	UNCP	Botany, Ecology, Environmental Sciences	Biological Pesticide Application and Technology Utilizing Heterorhabditis bacteriophora and Steinernema carpocapsae
6	Tara	Edwards	ECU	Botany, Ecology, Environmental Sciences	The Effects of Pharmaceuticals and Personal Care Products (PPCPs) on Mosquitoes Oviposition Site Choice and Predator Detection
7	Martin	Farley	UNCP	Botany, Ecology, Environmental Sciences	Pollen investigation of North Carolina honey samples
8	Julio	Gonzalez	Universidad del Tolima, Colombia	Botany, Ecology, Environmental Sciences	Design of a laboratory protocol for extraction of venom from scorpions and spiders using a low-cost Arduino-based programmable electrical stimulator
9	Jacob	Jackson	Gardner-Webb	Botany, Ecology, Environmental Sciences	Investigation to determine the amount of pre-consumer vegetable material from campus cafeteria that can be consumed by epigeic earthworm species Eisenia fetida in a vermibed.
10	Cheyenne	Lee	UNCP	Botany, Ecology, Environmental Sciences	Antimicrobial Effects of St. John the Worker Plant Based Native American Tea

11	Ashley	Lytle	UNCP	Botany, Ecology, Environmental Sciences	Evidence for Antimicrobial Properties in Fresh Aloe vera Gel Extracts
12	Nathan	Patrick	WTCC	Botany, Ecology, Environmental Sciences	DNA Barcoding Coffea
13	Whitney	Pittman	UNCP	Botany, Ecology, Environmental Sciences	Diversity and Distribution of Native Pollinator Species within Urban Habitats
14	KayLee	Russell	Campbell	Botany, Ecology, Environmental Sciences	Characterization of a bacterial isolate from Keith Hills golf course
15	Ryan	Booth	UNC	Cell & Development; Molecular Biology	Profiling the Expression of Progesterone and Serum Response Factor Pathway Members in Female Reproductive Tract
16	Cora	Bright	UNCP	Cell & Development; Molecular Biology	Dissecting the synthetic lethality between htz1? and RPB2-2SL: an analysis of a second site suppressor
17	Amelia	Brown	UNCP	Cell & Development; Molecular Biology	Developmental polycyclic aromatic hydrocarbons exposure reduces cardiac sarcomere size and cell morphology in zebrafish
18	Meghan	Chung	WTCC	Cell & Development; Molecular Biology	Expression Pattern of the Histone Modifier Gene EZH2 in Mouse Uteri during Early Prenancy
19	Ayanna	Edwards	UNCP	Cell & Development; Molecular Biology	Potential Alzheimer's disease therapeutics among weak cysteine protease inhibitors exhibit mechanistic differences regarding extent of cathepsin B up-regulation and ability to block calpain
20	Zachary	Flaccavento	Campbell	Cell & Development; Molecular Biology	Expression of Cloned Carbonic Anhydrase and Discovery of New Chemotherapeutic Inhibitors
21	Allison	Lindsey	Pfieffer	Cell & Development; Molecular Biology	Postmortem protein degradation as a tool for estimating time of death in forensic cases
22	Catrina	Rene	Campbell	Cell & Development; Molecular Biology	Development of a subcellular fractionation exercise for an introductory biology lab using Saccharomyces cerevisiae
23	Benjamin	Abraham	Campbell University	Chemistry; Engineering/Physics; Science Education	Synthesis of levodopa from tyrosine via aromatic substitution reactions

24	Casey	Davenport	UNC-Charlotte	Chemistry; Engineering/Physics; Science Education	Using Worked Examples in an Upper-Level Meteorology Class to Enhance Student Learning
25	Jason	Ezell	Campbell	Chemistry; Engineering/Physics; Science Education	Concentration of Lead in Soil and Plant Life from a 30 year old Gun Range
26	Kaitlin	Grigg	Campbell	Chemistry; Engineering/Physics; Science Education	Connecting chemistry to art: the development of labs for an interdisciplinary course
27	Courtney	Hatcher	Campbell	Chemistry; Engineering/Physics; Science Education	Alternate strategies for teaching undergraduates the principles of complex molecular interactions involved in biological processes
28	Sandra	Huneycutt	UNCP	Chemistry; Engineering/Physics; Science Education	Measuring linear expansion using the Fraunhofer diffraction pattern
29	Nicholas	Kelsh	WTCC	Chemistry; Engineering/Physics; Science Education	Determination of ascorbic acid in commercial juices, freshly squeezed juices, and supplements.
30	Dakota	Lee	UNCP	Chemistry; Engineering/Physics; Science Education	Malus Law Teaching Apparatus: High Quality at Near Zero-Cost
31	Spencer	Winspear	Campbell	Chemistry; Engineering/Physics; Science Education	A preliminary mechanistic study on the halogenation of vanillin using bleach and sodium halide salts
32	Lei	Zhang	Winston Salem	Chemistry; Engineering/Physics; Science Education	Electrospun nanofiber supported zero valent iron nanoparticles (nZVI) for heavy metal ion remediation in waste water
33	Dalton	Chapman	ECU	Genetics; Physiology	Investigating the Role of Antimicrobial Peptides on Biofilm Formation in Streptococcus mutans
34	Sarah	Hammood	Guilford	Genetics; Physiology	Metal/antibiotic pleiotropy and epistasis in Escherichia coli.
35	Nabiha	Khan	Meredith	Genetics; Physiology	Metabolic trend line of triglycerides post-consumption
36	John	Mecham	Meredith	Genetics; Physiology	Concentration-driven leukocyte proliferation
37	Tyler	Scott	Nash Community	Genetics; Physiology	Taxonomic Perspective of Eurycea guttolineatta and Eurycea longicauda Based on Mitochondrial DNA Sequence Data

38	Carina	Serrano-Reyes	WTCC	Genetics; Physiology	Assessing Microbial Diversity by 16s rRNA metabarcoding
39	Alexis	Stufflebean	Gaston	Genetics; Physiology	College student empathy and stigma study
40	Jessica	Trueblood	Nash Community	Genetics; Physiology	Using Genomic Data to Test for Monophyly in Pseudotriton and Gyrinophilus: A Range Wide Survey
41	Henri	Vega-Bernal	Nash Community	Genetics; Physiology	Determining Morphological Differentiation in Tiny Salamanders (Desmognathus aeneus): A Look Into Head Structure
42	Fidaa	Almuhaysh	Guilford	Microbiology	Evolution of Antagonistic Anti-Metal Epistasis in Escherichia coli
43	Laura	Boyette	WTCC	Microbiology	Prevalence of ciprofloxacin-resistant bacteria in a Knightdale, North Carolina creek with multiple human inputs
44	Sarah	Dejarnette	WTCC	Microbiology	The Effect of Paper Type on Dunaliella salina Growth
45	Kaitlin	Frey	WTCC	Microbiology	Detecting Carbapenem Resistance in the Environment
46	Clara	Frickmann	WTCC	Microbiology	Survival of Dunaliella salina on artificial leaves in various light conditions
47	Rachel	Hanley	WTCC	Microbiology	Growth of Dunaliella salina on artificial leaflets with varying amounts of nutrients
48	Elijah	Mebens	UNCP	Microbiology	The Virulence Properties of Photorhabdus luminescens and Their Potential Application in Pest Management
49	Brandon	Miles	Gaston	Microbiology	Bacterial antibiotic secretions tested for effectiveness against common pathogenic bacteria
50	Kaitlyn	Mizelle	Campbell	Microbiology	Recombinant Expression of a Putative Lignin Degrading Enzyme from *Paenibacillus glucanolyticus*
51	Dawn	Stancil	NCCU	Microbiology	ABCC11 Influences Diversity in Human Skin Microbiota
52	Adele	Warren	St. Andrews	Microbiology	The Antibacterial Effects of Mastoparan
53	Kyle	Weidner	ECU	Microbiology	Modification of the Agrobactin Operon in Agrobacterium tumefaciens
54	Wyatt	Zander	Catawba	Microbiology	Exploring the Effects of Artificial Sweeteners on Gut-Associated Bacterial Growth and Metabolism