

Session	Poster #	First Name	Last Name	Institution	Abstract Title
2	156	Jonathan	Abarca	Washington State University	Pedicle Fruit Abscission in Sweet Cherry
1	329	Mohammed	Abdi	Benedict College	GPS Positioning Algorithm, its Errors and Solution
1	118	Emmanuel	Abebrese	Washington and Lee University	In Vitro Assessment of Stingless Bee Hive Products' Antimicrobial Properties in Ghana
1	186	Steven	Adams	Philander Smith College	Semiempirical Quantum Chemical Calculations of Al <sup>3+</sup> -bound Amino Acid Complexes Modeled for Neurodegenerative Diseases
1	100	Sowda	Ahmed	University of Minnesota	Development of a Stable GFP-tagged Cytomegalovirus
1	327	Hong-Ha	Ai	Fort Valley State University	Noise Analysis in Gene Regulatory Network for Time Series Data
2	347	Joyce	Ajagbe	Binghamton University	Characterization of Gold Nanoparticles for Nanotoxicity Studies
2	119	Andrew	Alexander	Johnson C. Smith University	Prevalence of antibodies to Leishmania spp. in coyotes and foxes from Pennsylvania and Tennessee
2	101	Sherika	Alexis	University of the Virgin Islands	Low level of Chytrid fungus found on the island of St. Thomas
3	353	Darnel	Allen	University of the Virgin Islands	Investigating the Electronic Properties of Doped CVD Graphene
1	102	Edith	Almanza	University of Washington, WA	Screening for mutations in PIEZO2 that cause Distal Arthrogryposis Type 5
1	415	Rafael	Almonte	University of the Virgin Islands	Testing of a Narrow Gap Detector designed for a sensitive X-ray polarimeter
2	120	Rojelio	Alvarado	University of Texas of the Permian Basin	Characterizing the Role of Cytoplasmic Dynein in HTLV-1 Intracellular Trafficking
3	458	Kathy	Ammari	The City College of the City University of New York	Investigating the Urban Hydrology of the Jamaica Bay Watershed
4	354	Nicolas	Andrade	Virginia Commonwealth University	Device Integration of Lithium Niobate Microring Resonators Patterned with a Silicon Hard Mask
1	16	Stacie	Arechavala	University of Miami	Thermal Lesions Produced by Radiofrequency Ablation Differ at Various Output Powers
1	121	Karis	Arnold	Oakwood University	Protein Synthesis Inhibitors can Down-Regulate the Protein Expression of Staphylococcus aureus Virulence Factors

Session	Poster #	First Name	Last Name	Institution	Abstract Title
1	23	Brianna	Arrington	North Carolina A&T State University	The Differential Expression of miRNAs in Triple Negative Breast Cancer Cells
4	462	Madisen	Arurang	University of Washington	A Comparative Analysis of Window Performance Using Measured and Simulated Data
3	157	Syed	Ather	Indiana University-Bloomington	Seq-ing the missing link:lncRNAs and cisNATs in tomato ripening
2	372	Courtney	Au-Yeung	Duquesne University	Optical Transitions of Eu Ions in GaN: The Puzzle of the 634 nm Peak
2	187	Jacqueline	Baidoo	Xavier University of Louisiana	Spectroscopic Biosensor based on Peptide-Aluminum Complex for Bacteria Detection
3	228	Cares	Bailey	Mississippi Valley State University	Effects of soil application of five micro elements and chelating agent on mineral content of soybean leaves and soybean seeds
2	373	Mary Lou	Bailey	University of California, Santa Barbara	Optical Imaging of Single DNA Molecules
1	46	Molly	Baker	Northwestern University	Producing Pinene through the Genetic Modification of Cyanobacteria
3	459	Maraida	Balaguer-Barbosa	University of Puerto Rico at Mayaguez	A Comparison of Energy and Greenhouse Gas Emissions of Conventional and Advanced Onsite Wastewater Treatment Systems.
3	231	Zachary	Barnes	University of Pittsburgh	Adaptive Human-in-the-loop Machine Learning Framework for Classification of Plankton
1	388	Phoebe	Bauer	Reed College	Top-Down Control of the Phase of Alpha-Band Oscillations As a Mechanism of Temporal Attention
2	321	Keisha	Baxter	The City College of New York	Identification of phreatophytic ecosystems depending on groundwater in Texas based on NVDI Variations
2	103	Liam	Beckman	University of Oregon	The Phylogenetic Utility of EPIC DNA Sequences in the Tribe Cecropieae
3	138	Hailey	Beekman	Mississippi Valley State University	The Effect of Carbohydrate or Protein on Blood Glucose, Blood Pressure and Heart Rate Before and After Exercise.
1	435	John	Bell	Louisiana State University	Performance and Power Efficient Multi-Core Computation
4	371	Kingsley	Benson	Alabama State University	Wavelength dependance of Nanoparticle Enhanced LIBS on Stainless Steel Samples
3	188	Danielle	Berry	SUNY College of Environmental Science and Forestry	Synthesis of Cyclopropyl Inhibitors of Invertebrate Sterol Metabolism

Session	Poster #	First Name	Last Name	Institution	Abstract Title
4	189	Keturah	Bethel	University of the Virgin Islands	Spillover Effects in Catalysis by First Principles
3	355	Brandi	Bethune	Alabama State University	Fabrication and Characterization of biodegradable Poly(e-caprolactone) nanofiber scaffolds for bone tissue regeneration
4	232	Dominic	Bett	Claflin University	Identifying Probable Missing Protein-Protein Interactions Related to Asthma and Allergy Using Diffusion Kernel
4	356	Ashley	Blackwell	Dillard University	Double Pulse Laser Deposition of Polymer Nanocomposite Films for Optical Sensors and Light Emitting Applications
4	139	Andrew	Blake	Delaware State University	Role of Acetylcholine Release in the locomotion of Drosophila larvae
2	24	Waynesha	Blaylock	Tougaloo College	Investigating the Role of the WNK1-OSR1/SPAK Signaling Pathway in Cancer
2	444	Samuel	Boateng	University of the District of Columbia	Zigbee Communication in Smart Grid: Challenges and Applica-tions
1	190	Nicole	Boone	North Carolina Central University, Durham, NC	Fully Conjugated Metallopolymers Containing Ru(II) Polypyridyl Chromophores
1	122	Dominique	Boyd	University of Mississippi	Traditional and Genetic Methods to Identify Specific Species of Coccidia in Turkeys
2	233	Janelle	Boyd	Delaware State University	A Framework for Perceptual Processing in Autonomous Wheelchairs
2	158	Joseph	Bradley	Harris-Stowe State University	Medicinal Plants of Peru: Respiratory Treatments
3	351	Alexandria	Brooks	Alabama State University	Exposition of Foreign Peptides on Q $\beta$ Coliphage for Au Nanoparticle Binding
2	191	Autumn	Brown	University of Arkansas at Little Rock	Thermal Analysis of Polymer-nanoparticle Polymer Films
2	262	Shaniqua	Brown	Benedict College	Changes of the Microbial Communities in Response to Incubation of Soils
3	140	Alexandria	Bufford	Tuskegee University	The Effects of Lower Protein Levels on Sow Lactation and Heat Increments
2	374	Brandon	Buncher	College of William and Mary	Beam-Normal Asymmetry of Pion Electroproduction in the $\Delta(1232)$ Region
3	234	Frank	Burden	J.F. Drake State Community and Technical College	Evolved Virtual Creatures, Ft. Android and Arm Processors

Session	Poster #	First Name	Last Name	Institution	Abstract Title
3	269	Colleen	Burns	University of Arkansas	Light Visualization in the Dominican Rainforest
2	47	Brittany	Bush	Savannah State University	Ameliorating Decreased Ligament Function Due to Estrogen Levels
2	336	Joseph	Caine	Harris-Stowe State University	Searching for Perfect Triangles
3	25	Ashley	Cainion	Tuskegee University	Prostate Cancer Innervation: Development of an Experimental Model System
3	1	Gloria	Calderon	University of New Orleans	Characterization of the Serine,Threonine Kinase Domain of the Tudor protein STK31-TDRD8
4	270	Jasmine	Calle	Macaulay Honors College at the College of Staten Island (CUNY)	When FISH Isn't Enough: CARD-FISH Detection of Toxic Microcystis aeruginosa in Environmental Samples
4	235	Daquille	Campbell	North Carolina Central University	Towards Self-organization for Monitoring Search and Rescue Based on Metric Distance
1	26	Bria	Carmichael	Xavier University of Louisiana	Biological Evaluation of Novel Pyridine-Bridged Analogs of Combretastatin-A4 as Anti-cancer Agents
3	48	Elisabeth	Carrillo	California State University, Monterey Bay	Tissue Specific Alternative Splicing in C.elegans: How are Alter-native 3' Splice Sites Chosen?
4	49	Bria	Carrithers	Spelman College	Molecular Interaction of Human Serine Palmitoyltransferase-1 and PI3K in Stress Response Signaling During Cellular Response to Celecoxib
2	236	Emmanuel	Carter	Norfolk State University	Algorithmic Trading Strategies for Students
2	123	Layla	Cervantes	University of California, Santa Cruz	System For Continuous Evolution of a Target Gene
1	348	India	Chaney	Huntingdon College	PLGA Nanoparticles as a Delivery Agent for Cancer Cells
1	91	Jasmine	Chavez	California State University, Long Beach	Recent Thermal History Determines Microalgal Response to Acute Temperature Stress on Rocky Shores
3	263	Yanna	Chen	New York City College of Technology	Detection of Land cover change and Drought Trend Using Brightness Temperature and Microwave Emission
1	401	Nikitha	Cherayil	Rice University	Engineering Light-Controlled Pigment Output Systems for a K-12 Lab Module
1	124	Tsipporah	Christopher	Howard University	Isolation of Bacteria from Human and Kitchen Waste for Biogas Production in Bahir Dar, Ethiopia

Session	Poster #	First Name	Last Name	Institution	Abstract Title
2	27	Jessica	Clark	Winston Salem State University	Nuclear Envelope Defects in Cancer
1	50	Alyssa	Cobbs	University of Kansas	Expression, Purification and Characterization of EC1 domain of VE-cadherin
1	271	Jeff	Cole	Samford University	Evaluation of <i>Ctenus hibernalis</i> (Aranea: Ctenidae) fitness in ecosystem undergoing restoration.
2	51	Trey	Coleman	Claflin University	In Vitro Effects of Zinc and Cobalt on Expression of the Zinc Transporter Zip 1
3	463	Hector	Colon	University of Puerto Rico at Mayaguez	Strengthening of Aluminum with Multiwalled Carbon Nanotubes by Mechanical Alloying and Sintering
4	367	Isabel	Colon-Bernal	University of Puerto Rico, Rio Piedras Campus	Calibration of a Cavity Ring Down Spectrometry Setup for Measuring Aerosol Optical Properties
3	52	Acacia	Cooper	Tougaloo College	The Role of Enhancer of Zeste (EZH2) and Polo Like Kinase 1 (PLK1) in 293 Human Embryonic Kidney (HEK) Cells
1	398	Shakim	Cooper	University of the Virgin Island	Determining the Limiting Magnitude of the Virgin Islands Robotic Telescope
4	53	Nathan	Coss	University of California, Los Angeles	Human adipose-derived stem cells and their characteristics
3	28	Osvaldo	Cossio	University of Arkansas at Little Rock	The Cytotoxicity of Nanoparticles Coated with <i>Clostridium Perfringens</i> Enterotoxin Treatment on Breast Cancer
1	445	Turner	Cotterman	Clemson University	Integrating a Dynamic Home Energy Management System (DHEMS) into a Nano-grid Infrastructure
4	464	Marylyn	Creer	Alabama A&M University	The Effect of Bagasse Filler on the Thermomechanical Properties of Bio-based Epoxy System
3	477	Kimberly	Cribbs	University of Arkansas	Evaluation of Point-of-Use Water Treatment Technologies in Limpopo Province, South Africa
3	465	Rachel	Crow	University of Washington	Synthesizing Multifunctional Dyes for Energy-Harvesting Electrochromic Windows
4	141	Brett	Cutler	Northern Arizona University	Osmoregulatory Plasticity of Freshwater-acclimated Red Drum in Acute Saltwater Transfer
2	385	Davinelle	Daniels	Harris-Stowe State University	Adapting the Forced Swim Test to Assess Stress Responses in <i>Drosophila melanogaster</i>
2	300	Emily	Daniels	Onondaga Community College	A Study of the Chloride Concentrations in Furnace Brook (Onondaga County, New York)

Session	Poster #	First Name	Last Name	Institution	Abstract Title
1	29	Loryn	Darthard	Xavier University of Louisiana	Identifying Inhibitors of the LINE1 Endonuclease
4	172	Donald	Davis	Tougaloo College	Fisetin and quercetin as duplex and quadruplex DNA ligands: A spectroscopic study
3	357	Marcus	Davis	Alabama State University	Immuno-Stimulating Potential of PLA-PEG Nano-encapsulated Outer Membrane Protein of Chlamydia muridarum
2	30	Myles	Davis	University of Pittsburgh	Determining Dosing for Hepatocyte Damage and Prostate Cancer Chemotherapies
1	54	Centennial	Day	Harris Stowe State University	The C. elegans Microtubule Minus-end Capping Homolog, PTRN-1, Stabilizes Synapses and Neurites
2	416	Elizabeth	De la Cruz Torres	University of Puerto Rico, Mayaguez, P.R.	Mechanical Properties on Concrete with Fly Ash and Nano-Silica
1	171	Adrianna	De La Torre	University of California Los Angeles	Effects of adolescent exposure to fluoxetine, methylphenidate, or methamphetamine on discrimination reversal learning
2	349	Esmarine	De León Peralta	University of Puerto Rico-Mayaguez Campus	Modification of the Co-Precipitation Method to Synthesize Iron Oxide Nanoparticles with Higher Specific Absorption Rates
3	221	Nathalie	Del Rosario	San Diego State University	Solvation and Ligand Effects on the Catalytic Production of Acetaldehyde From Alkynes on Organotransition Metal Catalysts
3	173	Rebecca	DeMarco	Clemson University	Evaluation of Alkali and Acid Biomass Pretreatments for the Production of 2,3-Butanediol
3	31	Brittany	Demmings	Tuskegee University	Cigarette Smoking, Risky Sexual Behavior, and a Lower Degree of DNA Methylation are Associated with Cervical Intraepithelial Neoplasia in Younger Women
3	460	Sierra	Dennis	Howard University	Estimation of Runoff and Peak Discharge to Facilitate Rural Development Using Statistical Analysis of Watershed in Ethiopia
4	358	Lafayette	DeRamus	The University of Arkansas at Little Rock	Determining Optimal Characteristics for CIGS/CdS Solar Cells through AFORS-HET Simulation Program
1	417	Luc	Desroches	University of Minnesota Duluth	The Experimental Determination of Poisson's Ratio
4	264	Brittany	Dhital	New York City College of Technology	Spatial variability of ambient ozone concentrations during 3 heat waves in the Northeast Megaregion of the United States.
2	17	Kenia	Diaz	University of Washington	Maturation and Contractility of Induced Pluripotent Stem Cell-Derived Cardiomyocytes on Flat Surface Substrates
1	386	Abraham	Dickey III	York College - CUNY	Psychopathy-linked Narcissism, Heart Rate Change, and Aggression in Preadolescence

Session	Poster #	First Name	Last Name	Institution	Abstract Title
1	32	Nicholas	Dickson	Bowie State univerisity	Benzoic Acid Effect on Production of $\beta$ Carotene by Carrots, <i>Daucus carota</i> (L); A Focus on the Effect of the Acid on Plant Growth
2	272	Jared	Dimson	Humboldt State University	Effects of Litter Biodiversity and Home-Field Advantage on Decomposition in a Tropical Montane Forest
1	104	Jamel	Dobbs	Tuskegee Universtiy	Investigating the functionally important disease linked SNPs in type 2 diabetes risk gene CDKAL1
3	137	Treasure	Dotson	Southern University at Shreveport	Nanomaterial Toxicity and the Effect on Genomics
3	311	Mareike	Duffing Romero	Humboldt State University	Field Evidence For a Janzen-Connell effect
4	2	Mohamed	Dumbuya	University of the District of Columbia	The Effect of Protein Kinase A on Cystic Fibrosis Transmembrane Conductance Regulator (CFTR) protein Stability
4	346	Robert	Dunleavy	Lehigh University	Enzymatic Synthesis of Metal Sulfide Nanoparticles
2	125	Gabrielle	Dupiche	Savannah State University	Peptide Conjugated SPIONs as Antimicrobials
3	159	Rosemary	Edet	Bowie State University	Differentiation of major black pepper <i>Piper nigrum</i> species using Gas Chromatography - Mass Spectrometry Fingerprinting Method
3	142	Marcellus	Edwards	Tuskegee University	The Effect of Acute Exercise on Superoxide Dismutase and GP91phox Expression in Peripheral Blood Mononuclear Cells
2	402	Justin	Elkhechen	Syracuse University	Understanding the Migratory Patterns of Human Fibrosarcoma Cells and Murine Mesenchymal Stem Cells upon Topographical Changes of Shape Memory Polymers
4	466	Jeremy	Epps	North Carolina Agricultural and Technical State University	Use of Bioadhesives and Dry Adhesives in the Engineering Field A Finite Element Analysis to Assess Their Mechanical Response
3	192	Christian	Etienne	University of California, Santa Cruz	Total Synthesis of the Cyclic Depsipeptide Natural Product As-pergillicin A, and Investigation of its Cell Permeability, Pharma-cokinetic Property, and Bioactivity
3	237	Nichole	Etienne	University of the Virgin Islands	A Study of Classification Accuracy of the Hunt algorithm using Entropy and Gini Measurements on Breast Cancer Wisconsin Dataset
3	301	Abby	Evans	South Dakota State University	Effects of Residue Removal on Wind Erosion in Western Kansas
2	55	Kristen	Ezeude	Spelman College	Proteomic Evaluation of Potential Stress Induced Interaction Between Serine Palmitoyltransferase-1 and SYK Genes of Proximate Cytogenetic Loci In Human Chromosome 9.
3	273	Kai	Farje-Van Vlack	City College of New York	Phylogenetic and Phylogeographic Structure of Brazilian Placosoma Lizards

Session	Poster #	First Name	Last Name	Institution	Abstract Title
4	143	Abel	Ferrel	University of California, Los Angeles	Investigating molecular responses of cardiac tissue to age- and adrenergic agonist-induced hypertrophy
2	33	Kristen	Fields	Tuskegee University	A Study of the Effect of DHT on Retinoblastoma Protein Expression in a Human Castration Resistant Prostate Cancer Cell Line, C4-2
3	116	Drew	Finton	Duquesne University	A Study of Surface Energy Effects on Spider Silk Adhesion
3	322	Andrew	Fitzgerald	City College of New York	Flood Prediction Using Multidimensional Analysis of Precipitation and Inundation in the Mekong River Delta
3	56	Marlon	Flowers	Mississippi Valley State University	Creb1 and Akt2 Expression in Adult Mice with Chronically Activated $\alpha$ 1A Adrenergic Receptors
4	57	Martha	Floy	Kansas State University	Engineering of Escherichia Coli's TesA Thioesterase for Production of Lauric Acid
2	446	Ibukun	Folarin	Delaware State University	Fast Real-time Fitting of Wavelength Modulation Spectroscopy Signals for High Precision Greenhouse Gas Sensors
4	193	Willie	Ford	Alabama A&M University	Synthesis, Characterization, and Antimicrobial Aspects of Macrocyclic Hemin Complexes
3	34	Amber	Foster	Tuskegee University	Regulation of Steroidogenic Enzymes in Prostate Epithelial Cells by Prostaglandins
3	312	Johnnieshia	Frazier	University of Arkansas at Pine Bluff	Genetic Diversity of Chicory
1	382	Tayla	Frizell	Mississippi Valley State University	Enhancing Parent Involvement in NC-CCSS for K-2 Mathematics
4	238	Victor	Frunza	Winston-Salem State University	Design & Development of an Interactive Mobile App for Truth Table Manipulation
2	418	Christopher	Gaddes	Auburn University	Effects of Visible Light on Sleep
1	35	Danielle	Gaitor	Spelman College	Proteomic Characterization of Human Serine Palmitoyltransferase-1 and Protein Kinase B (AKT) One of The Members of The PI3K/AKT/mTOR Stress Response Signaling Pathway in Celecoxib Treated Cells
3	3	Ruben	Galindo	University of California, Los Angeles	Purification and Characterization of Recombinant Fibromodulin for the Investigation of Wound Repair
1	447	Isaac	Garcia	University of Washington	Electrochromic Window: Reducing Costs Through an ASIC
3	259	Danielle	Gaskins	Bethune-Cookman University	Interactive Visual Representations for Responsiveness of Plants to Changes in Climate



Session	Poster #	First Name	Last Name	Institution	Abstract Title
2	448	Marilyn	Gauthier	City College of New York	Vibrotactile Feedback Evaluation for Visually Impaired People in Navigation
2	105	Abravi Akpedze Rose	Gbemafu	Baltimore City Community College	Overexpression of fructose bis-phosphate aldolase in Chlamydomonas
1	194	Svetlana	Gelpi	Universidad del Turabo	First Principles Simulations of Pure Water
2	389	Nicole	Gerhard	Auburn University	The Effects of Multitasking on Decision Making
2	368	Carmen	Gil	University of Florida	A theoretical investigation of ferromagnetism in doped transition metal dichalcogenide WSe <sub>2</sub>
1	316	Yeimy	Gil	CUNY- York College	Physico-Chemical Characteristics of Urban Water Bodies in New York City
2	195	Reesheda	Gilbert	Kennesaw State University	Synthetically Derived Trichloroacetamides in Benzylic Systems via Transformation of Trichloroacetimidates
4	4	Shady	Girgis	University of Wisconsin - Milwaukee	Monitoring DNA Binding to a Yellow Fluorescent Hepatitis C Virus NS3 Helicase Fusion Protein using FRET
1	419	Melvin	Givens	Southern University and A and M College	Convective Heat Transfer Studies Over Asymmetric Airfoil
1	18	Ana	Gomez	University of Washington	Sequence Elements Required for the Insertion of Base J into DNA in Leishmania
2	375	Xingting	Gong	University of Pennsylvania	Lattice Kirigami
2	341	Ilia	Gonzales Parham	California State University of San Bernardino	Radio Number for Seventh Powered Path
4	174	Jesica	Gonzalez	California State University, Bakersfield	Regulation of Lysyl Oxidase
1	58	Luis	Gonzalez	University of California, Los Angeles	At the Heart of Microtubule Nucleation: Elucidating the Inter-face Between $\alpha$ - and $\gamma$ -tubulins
2	330	Janica	Gordon	Southern University at New Orleans	Search for the Most Effective Stock Asset Manager
2	59	Lydia	Gorfu	Spelman College	Untangling Amoeboid Diversity Using DNA Sequencing and Bioinformatics
4	274	Hannah	Gousse	University of Connecticut	Long Term Community Changes Following Deer Management in a Remnant Montane Pinus Palustris Forest

Session	Poster #	First Name	Last Name	Institution	Abstract Title
2	36	Paulnisha	Granger	North Carolina A&T State University	3D Printing Biomimetic in Vitro Bone Model for Breast Cancer Bone Metastasis Study
2	420	Andwele Grant	Grant	Virginia State University	Effect of an Insulator on the Friction Stir Welding Process
2	376	La'Shant'e	Grant	Savannah State University	Calculating the Density of Radiation in the Dark Sector
3	5	Mary	Graves	University of California, San Diego	Acute Dopamine Transporter inhibition Enhances Probabilistic Learning Performance in Mice
1	383	Dominic	Gray	Norfolk State University	A Model of River Blindness Highlighting Host and Vector Interactions
2	239	Patrick	Gray	Prairie View A&M University	Precision Agriculture using Databases and Smart Phones
2	334	Shakeidra	Gray	Savannah State University	Analysis of Predator-Prey Models
1	275	Jilma Rachel	Guinea	Humboldt State University	Forest Attributes of Reproductive Habitat for Harpy Eagles in Darién Province, Panamá
3	467	Taliya	Gunawansa	Norfolk State University	Extent of Dopant Activation after Microwave and Rapid Thermal Anneals Using Similar Heating Profiles
2	268	Indrajit	Gurung	The City College of New York (CUNY)	Improving the accuracy of clear sky water classification using VIIRS visible and thermal bands at night
3	175	Nicholas	Guthrie	Howard University	Drug Delivery: Encapsulated Zeolite H-Y Under Simulated Body Conditions
3	60	Kelli	Gutter	Tougaloo College	Differential Responses to Insulin in Young and Old Human Cardiac Cells
1	421	Trinh	Ha	University of Washington	Development of High Contrast Electrochromic Windows
1	126	Ermias	Habtom	Benedict College	Comparison of Primer Sets for Molecular Identification of Soil Ciliates
2	19	Amanda	Halawani	University Of Arizona	Liposome-Microbubble Complexes for Administering Therapeutics across the Blood-Brain Barrier
3	144	Tara	Hallman	University of California, Los Angeles	Disruption of circadian and cardiovascular function in the Q175 mouse model of Huntington's disease
1	256	Vanessa	Hammond	Norfolk State University	Exposing High School Students to Computer Science via Visual Analytics

Session	Poster #	First Name	Last Name	Institution	Abstract Title
1	337	Brittany	Hampton	California State University, Chico	The Study of Bayesian Statistics
4	145	Cari	Hampton	Tougaloo College	Increases in major enzymes of fatty acid Beta-oxidation pathways in female low birth weight rat liver at P3 and 1 yr
2	338	Madison	Hankinson	Savannah State University	Matrix Based on Convergent Geometric Series
3	225	Brittnie	Hanley	Alabama State University	Toward the FTIR Detection of Forensic Drug Cocaine in Fingerprint Samples
4	6	April	Hargrove	Winston Salem State University	Carbon Nanodots as Antimicrobials Against Multi-Drug Resistant Gram-Negative Bacteria
4	227	Katherine	Harms	Adrian College	Acute and Chronic Effects of Somatostatin on Fast and Slow Calcium Oscillations in the Pancreatic $\beta$ -Cell
4	352	Martika	Harper	Winston-Salem State University	The Inhibition of Different Isolated Strains of Streptococcus Pneumoniae using Penicillin and Silver Nanoparticles
1	436	Brandon	Harrington	Virginia State University	Signal Processing with Universal Software Radio Peripheral
2	422	Jolisa	Harris	Southern University and A&M College	Thermal Cycling Life Analysis of Thermal Barrier Coating with NiCoCrAlY+Hf+Si Bond Coat Material
1	106	Oyindayo	Hassan	Xavier University of Louisiana	The Effect of the Overexpression of the CZF Transgene on Spermatogenesis in Mice
1	441	Keheira	Henderson	North Carolina A&T State University	ScanDroid: Static Analysis Tool to promote Secure Design Methodology for the Android Environment
4	61	Sydney	Henry	Johnson C. Smith University	Is Microglial Morphology Impacted by Inhaled Particulate Matter?
3	240	Shawn	Her Many Horses	California State University Dominguez Hills	A Generalized Model for Maximizing Routing Requests in Ad Hoc Networks
2	107	Florisela	Herrejon Chavez	Portland State University	DNA Methylation Patterns during Embryonic Development in Annual Killifish <i>Austrofundulus limnaeus</i>
3	37	Shanita	Herring	Tuskegee University	Plant Derived Analogues As Modulators Of Multidrug Resistance In Cancer
3	146	Jyla	Hicks	North Carolina Central University, Durham, NC	Functional Interactions: A Study of NIH Funding Trends
2	345	Amber	Hines-Adkins	Savannah State University	Modeling Lab Data Using Deterministic Methods for Multivariate Interpolation

Session	Poster #	First Name	Last Name	Institution	Abstract Title
4	302	Kelly	Ho	University of Arkansas at Little Rock	Identifying Vent Location and Eruptive Behavior at the Sproul Crater, San Francisco Volcanic Field REU
1	423	Marthony	Hobgood	Virginia State University	A PLM Implementation for Integrated Product Design and Manufacturing Process
1	108	Destin	Holland	University of North Florida	Seeds to Fuel the Future
1	399	Aleeyah	Hopkins	Virginia State University	Radio Frequency Interference (RFI) Blocker
1	62	Amr	Hossny	LaGuardia Community College, City University of New York	Microtubule Severing and Mechanosensation in C.elegans
1	331	Whitney	Howard	Fisk University	Will the Recessive Gene Eventually Disappear?
4	241	Binh	Hua	Garden City Community College	Data Analytics to Improve Physics Education
3	196	Ricky	Huitema	Texas Tech University	Development of Pd-Cu catalysts for application in polyethylene industry
2	276	Trianna	Humphrey	Tougaloo College	Effects of pH & Temperature Variability on Pathogen Development & Population Survival in Daphnia
2	160	Kellie	Hunnicutt	Howard University	Finding alternative avicequinone C derivatives for the treatment of androgenic alopecia
1	260	Alexzondra	Hurns	Mississippi Valley State University	Analysis of the Atmosphere-Biosphere Exchange of Ammonia From a Fertilized Zea Mays Field Using the Atmospheric Chemistry and Canopy Exchange Simulation System for Ammonia (ACCESS-NH3)
1	38	Imran	Hussain	University of California, San Diego	Fusarisetin A: Prevention of Epimerization in Synthesis and a Biological Investigation
2	63	Hamid	Hussaini	University at Buffalo	Impact of mitosis inhibitors on neural stem cell division during mammalian corticogenesis
2	127	Imelda	Ibarra	California State University, Bakersfield	Cutaneous Bacteria from Pseudacris regilla Inhibits Growth of Amphibian and Human Fungal Pathogens
3	161	Frank	Ivey	Fort Valley State University	Analyzing Tomato Texture and Juiciness to Develop Improved Varieties
3	277	Latia	Jackson	Virginia State University	Water Quality Monitoring and Mapping of the Study Sites of Rivers flowing into the Chesapeake Bay
2	39	Devin	Jacob	Tuskegee University	The Effect of Chemopreventative Agent Withaferin A (WA) on Proto-Oncogene c-MYC in Bladder Cancer Cells

Session	Poster #	First Name	Last Name	Institution	Abstract Title
3	359	Daniel	Jagessar	Dillard University	Pulse-Laser Deposition Using Two Layers: How would it impact us?
4	278	Morgan	James	Langston University	Litterfall Accumulation and Composition: from the Ecotone into Primary Forest at Las Cruces, Costa Rica
1	390	Julian	James-Burke	Morehouse College	The Effect of Different Levels of Pressure on the Social Behavior and Communication of Subterranean Termites ( <i>Reticulitermes</i> sp.)
4	360	Leigha	Jarett	Binghamton University	Flourescently Labeled Glycol Chitosan-5 $\beta$ -Cholanic Acid Nanoparticles for In Vitro Tracking
2	369	Luis	Jauregui	California Dtate University San Bernardino	Organic Piezoelectric Material Red
1	303	Gejae	Jeffers	University of the Virgin Islands	Chlorophyll A Concentration in Bioluminescent Mangrove Lagoon, St. Croix, US Virgin Islands.
2	128	Andrea	Jenkins	University of Arkansas at Pine Bluff	Generation of Tumor-reactive Cytotoxic T lymphocytes using Chimeric Immune Receptors
3	64	Sherrall	Jenkins	Tougaloo College	Maternal Smoking and Hyaluronic Acid Degradation in the Developing Lung
4	473	Jennifer	Jenks	University of Washington	Monolayers, Patterns, and Other Formations Produced Utilizing Wedge-Cell Microsphere Self-Assembly
2	414	Callista	Jerman	Carnegie Mellon University	Functionalizing Polyacrylamide Hydrogels with Matrigel using Lift-off Techniques
3	474	Jote	Jinfessa	University of the District of Columbia	Exploring the Nano-Machining Applications of the Helium Ion Microscope (HIM)
4	65	Tiarra	Joell	Clafin University	Examining the Effects of Eglf7 Overexpression in Placental Vasculature
3	7	Ashley	Johnson	Iowa State University	Statistical Analyses of Molecular Dynamics Simulations of Nucleic Acids
2	317	Kevin	Johnson	Virginia State University	Brownfields and Greenfields: Spatial Technology to Support Sustainable and Resilient Communities
2	397	Andrew	Jones	Auburn university	Flow Visualization of a Joined Wing
3	220	Ayanna	Jones	Clark Atlanta University	Carbon Storage Capacity of Soils: The Role of Oxygen Availability
2	109	DeAndrea	Jones	Spelman College	Predicting Novel Genes Associated with Longevity in <i>Saccharomyces cerevisiae</i> Using Support Vector Machine (SVM)

Session	Poster #	First Name	Last Name	Institution	Abstract Title
3	40	Jasmine	Jones	Clark Atlanta University	The Role of Transforming Growth Factor Beta 1 and Epidermal Growth Factor (EGF) in Regulation of Cathepsin L Activity in Human Prostate Cancer
2	424	Jeffrey	Jones	University of Arkansas at Little Rock	Simulation and optimization of geometric parameters o a small-scale solar updraft tower.
1	242	Justin	Jones	Saint Augustine's University	Evolution of the MYB gene family of transcription factors
4	8	Miranda	Jones	Tuskegee University	Anti-microbial Properties of Hibiscus sabdarrifa in E. Colitis
4	197	Matthew	Jordan	Texas Tech University	Development of Carbohydrate-based Heterogeneous Solid Acid Catalyst for Biodiesel Production
1	198	Lorne	Joseph	University of the Virgin Islands	Spectroscopic Elucidation of the Equilibria Involving Pyridine and Its Analogues with Cobaloximes in Various Solvents.
1	425	William	Kaeo	Kapiolani Community College	Forward Kinematics Analysis and Design of a Hexapedal Locomotion Robot
2	426	Bereket	Kahsai	Virginia State University	Recovering Energy from Exhaust Systems
1	403	Roussel	Kamaha	University of The District of Columbia	Performance Study of Adaptive Filtering Algorithms for Noise Cancellation of ECG Signal
1	110	Melanie	Keliipuleole	Kapiolani Community College	Studying the Genetic Connectivity of the Culturally Significant Sea Urchin, Colobocentrotus Atratus, in Hawaii, USA
2	199	Nabil	Khan	Syracuse University	Investigation of Urban Grime in the Environment
1	437	Tyree	Kimble	Morehouse College	Constructing a Lego Mindstorm NXT Robot to Function in the Stratosphere
2	111	Stephen	Kinunda	Davenport University	Yeast Cell Recombination for Genetic Fitness and Transgenic Stability
4	222	Brenna	Kirk	New College of Florida	La2Zr2O7: A time study for low temperature anneals comparing dry and humid environments
1	427	Gary	Knight	Benedict College	Adapting Actuated Traffic Signal Control Settings with Queue Lengths from Probe Vehicles
2	92	Lauren	Kruger	Humboldt State University	Differences in Prey Items Within Sagebrush and Agricultural Hunting Territories of American Kestrels
3	93	Dominique	Lacey	Fort Valley State University	Environmental Stress Elevates Recombination near Telomeres Causing Changes to Yeast Cell Growth Rates

Session	Poster #	First Name	Last Name	Institution	Abstract Title
4	468	David	Langerman	South Dakota School of Mines and Technology	Covert Printing of Near IR to Near IR Upconverting Nanoparticle Ink for Integrated Circuit Anti-Counterfeiting Techniques, and Development of an Effective Detection Method
1	449	Matthew	Lee	University of Washington	Electrochromic Window Controller Application Specific Integrated Circuit Implementation
2	391	Yentyl	Levet	University of the Virgin Islands	Motivation in Digital Game-Based Learning
3	200	Darryl	Lewis	North Carolina Central University	Examination of N-Benzoyl Substituted Praziquantel (PZQ) Analogue Release in a LipoGel™ Drug Delivery System.
1	380	Jamar	Liburd	University of the Virgin Islands	Swift Observations of the Recent X-ray Activity of Eta Carinae
2	404	Ye	Lin	Rice University	Optimizing Bacterial Photography Protocols in the High School Classroom
4	201	Kiara	Lipsey	Fort Valley State University	Computational Studies of Cathinone and Cathinone Derivatives
1	41	Krystal	Livingston	Claflin University	Inhibitory Effect of Amygalin on Human Prostate Cancer in vitro: A Sose Response Study
2	370	Nicole	Lopez	California State University, San Bernardino	Powder X-Ray diffraction on Organic Materials
1	66	Elizabeth	Luke	Onondaga Community College	Establishing a Co-culture between Pseudomonas aeruginosa and IB3-1 Epithelial Cells for Evaluation of New Treatment Strategies
3	9	Bao Chau	Ly	Georgia State University	The Effects of Visual Color Stimuli on Zebra Finch Behavior and Stress Response
1	89	Matthew	Mahoney	University of The District of Columbia	Determine Relative Susceptibilities of Resistant Snails Main-tained Either at Room Temperature or at Elevated Temperature (30°C)
1	364	Mercedes	Maldonado	New Mexico State University	Studying the Gas Cycles that Govern Galaxy Evolution
1	339	Deanna	Mallard	Mississippi Valley State University	Enhancing Parental Involvement in NC-CCSS for K-2 Mathematics
4	147	Alexis	Mansoor	Mississippi Valley State University	The Effect of Caffeine and Electrolytes on Urine
2	258	Shelsa	Marcel	University of the Virgin Islands	DeFCoM: A Novel DNA Footprinting Method for Accurately Detecting and Analyzing Transcription Factor Binding Sites
2	304	Luis Bernardo	Martinetti	The University of Texas at El Paso	Aqueous Alteration of Presque Isle Peridotite in Marquette, Michigan.

Session	Poster #	First Name	Last Name	Institution	Abstract Title
3	318	Juita	Martinez	Humboldt State University	Exposure of the grass shrimp, <i>Palaemonetes pugio</i> , to antimicrobial compounds affects associated <i>Vibrio</i> bacterial density and development of antibiotic resistance
2	428	Julio	Martinez	University of California, San Diego	Comparison of Elastodynamic Analytical and Meshfree Numerical Solutions of Steel Beams Subjected to Blast Loading
3	469	Javier	Martinez-Santos	University of Puerto Rico	Synthesis and Characterization of Biocomposites Containing Ferroelectric Nanoparticles
4	94	Andrea	Mathis	Fort Valley State University	Screening for <i>Puccinia graminis</i> Suppressors of Hypersensitive Response in Tobacco
3	148	Luis	Matute	University of New Orleans	Repeatability and Morphological Correlates of Fish Behaviors in Hypoxia
3	243	Magdalene	McArthur	Howard University	Benchmarking Local Vs Remote AES-128 Encrypted Databases
2	67	Armeshia	McCoy	North Carolina Agricultural and Technical State University	Comparing the Apoptotic Response of a Triple Negative Breast Cancer Cell Line to Chemotherapeutics
4	244	Kalyx	McDonald	Mississippi Valley State University	Using a MATLAB/Photoshop Interface to Enhance Image Processing in the Interpretation of Radar Imagery
2	450	Michael	McHugh	Savannah State University	VHDL Integration of Digital Clock
4	149	Jessica	McKenzie	Tougaloo College	Progesterone supplementation improves blood pressure and uterine artery resistance in RUPP rats
1	223	Roy	McReynolds	Morehouse	The Effect of High Altitudes on Poly (N-vinylcaprolactam) [PVCL] Fibers
1	405	Ivan	Medellin	Rice University	Creating and Standardizing Bacterial Photography in the Classroom
1	365	Amber	Medina	New Mexico State University	Identification of Young Low Mass Stars and Brown Dwarfs in our Solar Neighborhood
2	377	Ariel	Medina	University of Washington	Stabilization of a Photoassociation Laser
4	226	Michael	Meloni	Lehigh University	Low Temperature Synthesis of Titanium Dioxide using Recombinant Silicatein
3	291	Crystal	Mena	Borough of Manhattan Community College	LAG-Correlation Analysis between Precipitation and Soil Wetness Variation Index (SWVI) in the Flood Event of Uttarakhand India during June 2013
3	150	Joshua	Mendoza	University of Washington	A biophysical model for the role of inhibition in regulating a two-phase breathing rhythm



Session	Poster #	First Name	Last Name	Institution	Abstract Title
3	68	Karla	Mendoza	Johnson C. Smith University	Aging-associated Paneth cell increase in the jejunum and mislocalization in the Ileum
2	387	Shakira	Miles	Virginia State University	The Ability of Eating Habits to Predict Cardiovascular Reactivity to Stress
4	10	Justine	Miller	Virginia Polytechnic Institute & State University	Effect of Germination Power on Peroxidase Activity and Concentration in Obatampa Maize
1	335	Paige	Miller	Gustavus Adolphus College	Using the Power Ratio as an Early Warning Signal to Detect Critical Transitions for Disease Emergence and Eradication
1	202	Elizabeth	Minten	University of South Carolina, Columbia	DNA Methylation and its Role in Repair Post UV Damage
2	406	Lillian	Mireles	University of Washington	Lysis at the Point of Care in Low Resource Settings
1	381	Ruel	Mitchel	University o f the Virgin Islands	Neutron Stars
4	69	Le'Andrea	Mitchell	Tougaloo College	Developmental Dynamic Expression of Corticotrophin Releasing Factor Receptor 1 in the Cochlear Nucleus
2	203	Shannon	Mitchell	Xavier University of Louisiana	Investigating cholesterol-lipid interactions in the presence of zinc ions using AFM and SERS
1	279	Emili	Moan	Winthrop University	Host Breadth of Parasites in Ungulates and Carnivores
4	151	Sara	Mohammed Nur	University of Minnesota, Twin Cities	Oral-Fetal Transmission of Oral Bacteria from Mother to Fetus during Pregnancy
1	70	Hannah	Molitor	University of Wisconsin- Platteville	Photoautotrophic Production of L-Lactate in Cyanobacteria
1	129	Ashli	Moore	Oakwood University	The influence of Porphyromonas gingivalis serine protease/chaperone HtrA on the grpE locus during oxidative stress
3	204	Carlos	Mora	California State University: San Bernardino,	Monosubstituted Benzene Adsorption on a Cu(111) Surface
2	42	Itzel	Moreno-Rodriguez	Garden City Community College	Pancreatic War
1	130	Malik	Moseley	Bethune-Cookman University	Expression Dynamics of Gene for Universal Stress Protein of Toxoplasma gondii
1	407	Solomon	Muche	University of Washington, Seattle	Development and Construction of Optimized Microscope Rotational Disk

Session	Poster #	First Name	Last Name	Institution	Abstract Title
4	205	Amira	Muhsen	Xavier University of Louisiana	Interactions between a short antimicrobial peptide and model membranes: effect of zinc ion
2	162	Javier	Mulero	Universidad del Este	Potential Plant Development Manipulation Through Expression of a Mutant Histone.
4	176	Marissa	Murchison	Fort Valley State University	Single Molecule Fluorescence Studies on the Chloroplast Signal Recognition Particle
1	451	Esdras	Murillo	Iowa State University	Solar Driven Liquid Desiccant System Dehumidifier
3	43	Kimberly	Myers	Tuskegee University	The Role of Collagen on Mesenchymal to Epithelial Reverting Transition in Prostate Cancer Cells
1	112	Malini	Naidu	Univeristy of Washington	Identification of a CYP4V2 gene mutation in a Bietti's Crystalline Dystrophy patient
3	461	Nazarine	Nato	Benedict College	Efficiency and Genetic Analysis of Methane Production in Varying Temperature and Substrates T
1	95	Meghan	Neace	Auburn University	Cross-disciplinary skills identify and differentiate morphologically analogous characteristics in two similar species of freshwater crawfish (Cambarus)
1	44	Tamra	Neblett	Spelman College	Annotation of SPTLC1 Open and Alternate Reading Frames In Inflammatory Cancer Cell Lines
2	131	Jason	Nefalar	University of California, Los Angeles	Rapid Identification of Coastal Ocean Antibiotic Resistance Sentinel Species <i>Vibrio parahaemolyticus</i>
1	20	Antoniya	Nemtserova	Middlesex Community College	Delaunay Triangulation and an Algorithm for Automated Evaluation of Origami Folding Process
4	229	Sara	Newell	Humboldt State University	A Survey of Chemical Parameters for the Development of a Water Quality Index for the Ping River.
2	280	Tina	Nguyen	Humboldt State University	North American Porcupine ( <i>Erethizon dorsatum</i> ) Habitat Suitability at Multiple Scales
2	452	Vincent	Nguyen	Texas A&M University	A Controllable and Portable Pressure Driven Pumping System for Microfluidic Applications
3	177	Khalin	Nisbett	University of the Virgin Islands	Synthesis & Characterization of Geranial, an E-isomer of Citral, Found in <i>Cymbopogon Citratus</i>
1	206	Amarachi	Ochiobi	University of Georgia	A Reaction-Based Fluorescent Probe for Hydrogen Sulfide Detection
1	429	Winston	Odom	Morehouse College	The Launch and Recovery of a Dual-Payload Exploration to Near Space

Session	Poster #	First Name	Last Name	Institution	Abstract Title
3	305	Theresa	Oehmke	Massachusetts Institute of Technology	Analysis of Rates of Entrainment in a Debris Flow using High Speed Video Technology
2	408	Joi	Officer	Spelman College	Targeted Muscle Reinnervation Sensation Mapping Tool
2	71	Nicholas	Often	Baltimore City Community College	Overexpression of CAH1 in Chlamydomonas reinhardtii
3	72	Linda	Ogwuazor	Howard University	Testing Possible Treatments for Androgenic Alopecia in a Cell-Based Assay System
2	430	Daniel	Okegbu	Howard University	Evaluation of path-tracking algorithms for autonomous vehicle
2	313	Onome	Okeh	Dillard University	The amplification of GAPDH
4	178	Danielle	Oliver	Hampton University	Comparison of Peroxynitrite and Hypochlorite Oxidation of Methionyl Peptides
2	113	Matilda	Omoru	University of Minnesota Duluth	Pigmentation Pattern Formation in Spotted and Striped Zebrafish
3	152	Vincent	Onyilo	Alabama State University	Competition-induced loss of synapses onto mature dentate Granule Cells
3	163	Ashley	Ortiz	Humboldt State University	Early Cretaceous Cupressaceae in the Budden Canyon Formation of northern California
4	306	Berenice	Oseguera	The City College of New York	Characterizing Arctic Land Surfaces Using a Forward Looking Infrared (FLIR) Camera
2	164	Janeen	Osei	Bowie State University	Salicylic Acid Elicitation on Production Of $\beta$ Carotene by Car-rots, Daucus Carota (L); A Focus on the Effect of the Acid on Plant Growth
1	265	Omar	Owens	Winston Salem State University	Validation of the basal stress boundary utilizing Satellite Imagery along the George VI Ice Shelf, Antarctica
4	323	Andres	Pacheco Olivas	Garden City Community College	Variation in Water Quality Between Urban and Rural Reaches of Wildcat Creek
4	73	Hugo	Padilla	University of California- Santa Cruz	Defining Kinase-Dependent Interactors of the Parkinson's Disease Protein LRRK2
1	298	Keith	Parker	Humboldt State University	Freshwater environmental DNA sampling of threatened Pacific Lamprey of the Order Petromyzontiformes

Session	Poster #	First Name	Last Name	Institution	Abstract Title
1	453	Ray	Parker	Rensselaer Polytechnic Institute	Regolith and Environment Science & Oxygen and Lunar Volatile Extraction (RESOLVE) Project
1	307	Stivaly	Paulino	The City College of New York	Creating Water Body Maps for the Pacaya Samiria, the Everglades, and the US Gulf Coast using NASA UAVSAR Imaging Radar Data
2	207	Khalia	Payton	Fort Valley State University	Computational Study of A Potential Cocaine Antagonist Compounds
2	224	Mishal	PB	North Carolina State University	Self-Folding of Polymer Sheets Along Discontinuous Hinges
3	314	Ashley	Pellman	Claflin University	Determining the antimicrobial effect of Gongronema latifolium and Mangifera indica on Escherichia coli and Salmonella typhimurium
1	409	Alexis	Pena	Syracuse University	Investigation of Mechanism of Interaction of Antimicrobial Peptides with Bacterial Membrane
2	332	Alex	Peterson	Berry College	Uniquely Bipancyclic Graphs
2	245	Bathsheba	Petty	Philander Smith College	The Reliability of Collaborative Tagging: A Content Analysis Approach
3	246	Jennifer-Lynn	Phipps	Johnson C. Smith University	EV3ryone Can Fly Using Robotics to Invigorate Computing
3	208	Webs	Pierre	University of the District of Columbia	Studies on Ionic Triphenyltin Complexes of 3, 5-Pyridinedicarboxylic acid
4	209	Levi Glenn	Pilapil	UC San Diego	Utility of a Low-Valent Dinuclear Cobalt Analog in Chemical Comparison to Dicobalt Octacarbonyl
2	392	Kara	Poppe	University of Northern Iowa	Impact of Resources and Education on Hand Washing Behavior Among Young South African Students
1	74	Madeline	Porter	Concordia University Texas	A Novel Role for Cypin as a Proteasome Inhibitor
2	454	Adrian	Posada	The City College of New York	Evaluation of Range Sensors for Vibrotactile Navigation for the Visually Impaired
2	96	Deseree	Povijua	New Mexico Highlands University	Analysis of Interspecies Attraction Using Extracted Pheromones from Ithomiine Butterflies
3	292	Bonnie	President	University of the Virgin Islands	Sophorolipid Production Using Candida Bombicola
3	281	Chelsea	Pretz	Harris-Stowe State University	Preliminary Investigation of Edge Effects on Prairie Plant Species

Session	Poster #	First Name	Last Name	Institution	Abstract Title
4	247	James	Pryor	Prairie View A&M University	Image Processing Cloud Web Portal Implementation
2	476	Josue	Quinonez	San Diego State University	Control of Lagrangian Mixing in Fuel Injector Flows into Supersonic Cross Stream
1	455	Bryson	Racoma	Kapiolani Community College	Nasa Simulation of an Autonomous Payload
2	266	Esha	Rahman	The City College of New York	Summertime Wind Speed Trends in Southern California
3	413	Karla	Ramos	University of Puerto Rico- Mayaguez	Multi-cellular In Vitro Models for Characterization of Tumor Targeting Efficacy of Nanoparticle Systems
3	293	Ariane	Ramsundar	University of the Virgin Islands	Adsorption Studies on a Clinoptilolite Packed Column for Treatment of Septic Tank Effluent
2	45	Royan	Reddie	Tuskegee University	The Role of Kaiso in the Progression of PC3 Prostate Cancer Cells
1	438	Taylor	Reece	Xavier University of Louisiana	The Future of Dentistry Lies in Digital Impression Making
2	21	Dana	Reid	Tuskegee University	Cryosurvival and Membrane Integrity of Cat Epididymal Spermatozoa Recovered by Slicing or Milking
1	431	Stephanie	Rhoden	Benedict College	Queue Length Estimation from Probe Vehicles: Effect of Different Arrival Distributions
3	361	Angelie	Rivera Rodriguez	University of Puerto Rico - Mayaguez Campus	Tumor-targeted Magnetic Nanoparticles for Thermo-Controlled Drug Release
2	393	Nilda	Rivera-Reyes	University of Puerto Rico at Cayey	Olfactory Working Memory in Rats
4	153	Adonis	Rivie	William Paterson University	Plasma Treatment Accelerates Tail Regeneration in Tadpole, <i>Xenopus laevis</i>
2	75	Anael	Rizzo	University of California, San Diego	Delivery of A Constitutively Active Mutant of the Netrin-1 receptor, deleted in Colorectal Cancer (DCC) to promote Corticospinal Tract Regeneration Following Spinal Cord Injury
4	76	Lara	Roach	University of California, Los Angeles	Developing a Novel Method for Generating Recombinant Adenovirus
3	11	Jason	Rodriguez	California State University Monterey Bay	Investigation of Plk1 function Using Mass-Spectrometry-Based Proteomics
3	165	Jeanette	Rodriguez	Heritage University	Prevalence of ACCase and ALS target-site mutations in PNW Herbicide-resistant Lolium multiflorum

Session	Poster #	First Name	Last Name	Institution	Abstract Title
3	294	Julianne	Rolf	University of California, Riverside	Treatment of BPA Contaminated Stormwater with Manganese Oxide-Coated Sand
2	394	Erica	Ross	Harris-Stowe State University	Does a More Realistic Approach to the Shooter Task Reveal Similar Biases in the Decision to Shoot?
2	308	Sederra	Ross	Clark Atlanta University	Journey to the Center of the Earth
2	90	Yuliana	Rowe-Gaddy	Humboldt State University	The Effects of Simulated Acid Rain on Web-spinning Spider Assemblages in the Luquillo Experimental Forest
2	456	Brittini	Roye	University of the District of Columbia	Health Concerns Regarding Smart Meters
4	282	Kasondra	Rubalcava	Humboldt State University	Inter-annual Variations in the Recruitment of Spot ( <i>Leiostomus xanthurus</i> ) in the Maryland Coastal Bays
1	210	Freddy	Ruiz	Cal Poly Pomona	Towards the Formation of Polymeric Micelles Utilizing Cross-linked Fatty Acid Methyl Esters
2	400	Frances	Ruiz-Deliz	University of Puerto Rico-Mayaguez Campus	Reactor Design: Kinetic Modeling, Construction and Testing.
4	77	Shakoora	Sabree	Agnes Scott College	Calphostin C Inhibits Angiogenic Activity in HESC cells
3	154	Pingdewinde	Sam	San Francisco State University	Selective Deficits in Social Behavior in Adult Mice after Traumatic Brain Injury at Adolescence
1	457	Quentin	Samuels	Savannah State University	Characterizing the Effects of Shading on the Performance of a Mobile Photovoltaic Array
3	309	Bryan	Sanchez	California State University Northridge	Iron Settling Through a Magma Ocean
4	470	Maritza	Sanchez	California State University, Los Angeles	Making Drops Move Faster: The Role of Topology on PEM Fuel Cells
4	12	Fatim	Sannoh	Neumann University	Investigating the Effects of Thyroid Hormones, Benzodiazepine, and Ivermectin on the $\alpha 1$ , $\beta 1$ , $\gamma 1$ , and GABAA Receptor in <i>Xenopus</i> Oocytes
2	248	Khaliq	Satchell	Elizabeth City State University	The Use of Parallelization Support to Speed up PlotViz3
3	180	Raven	Scales	North Carolina Agricultural & Technical State University	The Synthesis of Gallamide Cancer Chemopreventives
2	432	Emily	Schneider	Framingham State University	LWA: Mitigating Corrosion in Concrete

Session	Poster #	First Name	Last Name	Institution	Abstract Title
1	283	Joy	Semien	Dillard University	Estimating sediment carbon accumulation rates in the Plum Island Estuary (MA) salt marsh
1	324	Modou	Sene	The City College of New York	Geospatial Modeling of the Harlem River Pollution
4	475	Monica	Setien-Grafals	Syracuse University	Synthesis and Characterization of Magnetic Nanoparticles for Eventual Use in Bacterial Extraction
3	249	John	Settineri	City College of New York	Design of Virtual Environments for Visually Impaired People
1	78	Beatrix	Setyono	University of Alabama in Huntsville	Quantifying Lipid Contents of Liposomes with Plasmonic Nanoparticles using UV-Vis spectrometry
2	79	Alexis	Shelton	Delaware State University	Regulation of CD44 Alternative Splicing by TDP-43
2	328	Kevin	Sheng	Emory University	Linear long wave propagation over discontinuous submerged shallow water topography
2	211	Aiman	Sherani	Wellesley College	Towards Designing Protein-Protein Interactions in the Influenza Virus using Molecular Simulation
2	395	Simran	Shikh	Le Moyne College	Anticipatory Nostalgia
1	114	Samuel	Shry	University of Arkansas at Little Rock	Investigating genetic basis of migratory timing using circadian clock genes in spring Chinook salmon ( <i>Oncorhynchus tshawytscha</i> )
2	378	Nana	Shumiya	University of California, Berkeley	Designing, Making, and Testing Sample Holder for Electron Paramagnetic Resonance
2	410	Caresse	Simmonds	Rutgers University	Electrical Stimulation of contractile electrospun scaffolds for skeletal muscle tissue engineering
2	115	Edwin	Simpson	University of Florida	Metabolic Mechanisms of Cold Tolerance in <i>Drosophila Melanogaster</i>
2	166	Araik	Sinanyan	Humboldt State University	Chemical Composition and Antimicrobial Activity of Wild-Harvested <i>Achillea Millefolium</i> from the Republic of Armenia
3	295	Selma	Skoko	LaGuardia Community College, CUNY	A Seasonal Investigation of Heat Fluxes in the New York City Region
2	343	Abigail	Smith	Carnegie Mellon	Development of mathematical models for a T7 phage-E. coli system with vaccination strategy implementation
4	319	Herbert	Smith	Norfolk State University	The Impact of the Environmental Pollutants Perfluorooctane Sulfonate (PFOS) and Sodium Fluoride on Aquatic Organisms

Session	Poster #	First Name	Last Name	Institution	Abstract Title
4	155	Korey	Smith	Johnson C. Smith University	Examining working memory capacity and neural activity in prefrontal and posterior parietal cortices
3	80	Marguerite	Smith	Syracuse University	Establishing a Connection Between Rippling and Development in Myxococcus Xanthus
1	411	Katri	Sofjan	Rice University	Chromosomally-based Phycocyanobilin Synthesis in a Freely Distributable E. coli Strain
2	412	Adriana	Solis	University of California - San Diego	Magnetic Microspheres for Arterial Embolization and Hyperthermia.
1	181	Bernard	Somers	University of Scranton	Synthesis of Napthoquinone Analogues for Evaluation as Potential Anti-Pancreatic Cancer Agents
2	230	Inderbir	Sondh	University of Pittsburgh	Redeveloping and Optimizing the Interactive Chromatin Modeling [ICM] Web Server
4	310	Awolou	Sossa	The City College of New York	Landsat Retrieved Surface Properties Effects on the Day Time Temperature Pattern in New York City
4	81	Bethsymarie	Soto	University of Puerto Rico-Mayaguez	Purification of Cyanobacterial RNase Proteins
3	212	Kiozsa	Spann	Fort Valley State University	Molecular Modeling of Lignin
1	82	Madison	Stahr	Clarion University of Pennsylvania	Building a Brain Atlas for the Larval Zebrafish
3	471	Hunter	Starring	Louisiana State University	Catalytic Regeneration of Electroless Deposition of Nickel on Silicon Carbide Ceramic Foam Diesel Particulate Filters
2	257	Marisa	Steans	University of Texas at El Paso	Sol y Agua Project: Furthering Game Development on a Culturally Relevant Level
1	22	Chelsea	Stephens	Syracuse University	Patient Derived Biomaterials For Bone Regeneration
2	325	Jamal	Stevenson	Mississippi Valley State University	A comparative study to the 2011/2013 water quality assessments in the Pasquotank Watershed in Northeastern North Carolina with a sea level rise component
3	267	Rodell	Stewart	Virginia State University	El Nino and La Nina: Impacts on Ocean Processes and Global Weather and Climate
3	350	Ariel	Stolz	Brown University	Gas adsorbate-induced magnetic modifications in super-paramagnetic clusters.
4	250	Setu	Taase	California State University Dominguez Hills	Energy-Efficient Data Preservation in Sensor Networks With Spatial Correlation



Session	Poster #	First Name	Last Name	Institution	Abstract Title
3	97	Sacile	Tanner	Norfolk State University	The Identification of Rotifers in Aquatic Environments
2	251	Deborah	Taylor	Indiana University, Bloomington, IN	Certified Confusion: The Public Comprehension of Security Certificates
1	433	Tatyanna	Taylor	Benedict College	Queue Length Estimation from Probe Vehicles: Unknown Arrival Rate and Probe Proportions
1	132	Tracey	Taylor	Texas Southern University	Novel Biomarkers for HIV-1 Disease Progression
3	296	Yoel	Tekle	University of Washington	A Comparative Analysis of Glazing Systems Using Physical Studies and Simulations
3	179	Jennyfer	Tena	UC Santa Cruz	Synthesis of rhenium carbonyl complexes as photoCORMs: Contrast in denticity depending on the flexibility of ligand
3	13	Tracy	Thich	University of Washington	Generation of HIF-1 $\alpha$ and HIF-2 $\alpha$ Hybrid
1	340	Naija	Thomas	Southern University at New Orleans	Application of Structural Equation Modeling to Robotics Education.
1	442	Xien	Thomas	Texas Southern University	Mission: Clip, Zip and Ship
4	213	Jerry	Thomas Jr.	Alabama Agricultural and Mechanical University	Antioxidant Characteristics of Alternative Flours for Development of a Gluten-Free Hotdog Bun
3	83	Brittany	Thompson	Kennesaw State University	Lnc RNA, LL18/NANCI as an in vitro tool in Nkx2-1 induction in ESC-derived anterior foregut endoderm
2	133	Brittany	Thompson	Claflin University	Screening for Serratia marcescens mutants for the lack of Biofilm formation
1	214	Michael	Thompson	Virginia State University	Raman Spectroscopy of Lipsticks Containing Biological Impurities and in situ Substrates
2	284	Giovanna	Tomat-Kelly	The College of New Jersey	Riparian Links and Nitrogen Sinks; How riparian connectivity and invasive species affect nitrogen cycling in urban riparian zones
1	384	Jahannie	Torres	University of Puerto Rico at Mayaguez	Nanotechnology Videogame for Middle School Students
3	252	Martin	Torres	California State University Stanislaus	Topic Segmentation and Text Coherence Detection in Wikipedia using Latent Semantic Analysis
4	84	Cristina	Torres Cabán	University of Puerto Rico in Aguadilla	Effects of Dia2 Degradation on Checkpoint Recovery in Saccharomyces cerevisiae

Session	Poster #	First Name	Last Name	Institution	Abstract Title
4	253	Sibongile	Toure	Howard University	AES Encryption of Health Information: Securing through SQL
1	320	Chastity	Tuiolosega	American Samoa Community College	Comparative Study of Time and Effort in the Management of Two Different Piggery Systems
2	182	Omani	Tuitt	University of the Virgin Islands	Antioxidant Activity in Commercial Spices
2	85	Victoria	Ubanyionwu	Texas Southern University	Effect of Curcumin on Endothelin-1 Mediated c-Jun Expression in Hippocampal Neurons
3	167	Ifeanyi	Uche	Claflin University	Evaluating the Antibiofilm and Antibacterial Potential of Vernonia amygdalina
4	472	Raymond	Ulibarri-Sanchez	New Mexico State University	Comparison of Atomistic and Meso-scale C60 Fullerene Models in Simple Solvent
3	285	Nancy	Urbano	St.Mary's University	The impact of Solenopsis invicta on ant communities along a rainfall gradient in Central Texas
2	315	Motusaga	Vaeoso	Chaminade University	Sexual Dimorphism in Growth, Reproduction and Defense of Cecropia Obtusifolia Trees
4	286	Andrea	Valdez	California State University Monterey Bay	Identification of Microbial Communities on Sea Stars with Wasting Disease
1	134	Benni	Vargas	University of California, Los Angeles	B cells in the Cutaneous Immune Response against Leprosy
4	14	Sheena	Vasquez	Georgia Perimeter College	Understanding the Role of Dihydroflavonol 4-reductase Substrate Specificity and Promiscuity in Flower Color Regulation
1	342	Sharniece	Vaughan	Virginia State University	Data Analysis of the Test Results of Different High Performance Polymer Materials
4	98	Alicia	Vazquez	CSU Channel Islands	Hydrodynamics behavior and velocity changes of Ophiuroidea (Brittle Stars)
2	215	David	Velazquez	Cal Poly Pomona	Design of Tunable Green Polymeric Materials
2	261	Daniel	Vidal	The City College of New York	Combining Spatial Kriging with Satellite Estimates to Obtain a Regional Estimation of PM2.5
3	326	Cristian	Virrueta	University of California San Diego	Quantitative Demonstration of Capillary Water Movement in Porous Media
2	434	T'Leya	Walker	Virginia State University	Application of FSW Technology to Join Aluminum and Copper Plates

Session	Poster #	First Name	Last Name	Institution	Abstract Title
1	333	Zach	Walsh	Carleton College	Uniquely Bipancyclic Graphs
2	254	Ayzha	Ward	Texas Southern University	Climatology and Cluster Analysis: Self-Organizing Maps (SOMs)
2	396	Aurora	Washington	Tougaloo College	Increasing Supervised Delivery to Reduce Maternal Mortality in Apam, Ghana
1	287	Jamilha	Washington	Savannah State University	Studies on Health Hazardous Waterborne Microbial Organisms in Water Bodies from Savannah, GA
3	183	Jasmine	Washington	University of Arkansas at Pine Bluff	Characterization of Morphine-6-O-sulfate sodium salt in Bovine Brain Microvessel Endothelial Cells (BBMEC)
3	86	Parris	Washington	Spelman College	Can interspecific fusion explain the discordance between morphology and genetics in Cochliopodium?
4	362	Gabrielle	Webber	Alabama State University	Fast and Facile Synthesis of Stable and Biocompatible Silver Nanoparticles Stabilized by Polyethylene Glycol
2	87	Jeannise	Webb-Nelson	Harris-Stowe State University	Regulation of Pore Dilation of an ATP-Gated Ion Channel through an Interaction with Fe65
1	344	Destiny	Webster	Savannah State University	Analysis of Mechanical Vibrations
3	88	Kuang	Wei	University of California - Santa Barbara	Binding Behavior and Mobility of Tau Mutants on Microtubules
1	299	Spencer	Weinstein	University of Massachusetts Amherst	Identification of Mitogen-Activated Protein Kinases in Prairie Cordgrass ( <i>Spartina pectinata</i> )
1	439	Kaaba	White	Virginia State University	Magnetic Levitation Automation
4	117	Travon	Whitehurst	Norfolk State University	An assessment of the Biocompatibility of Cerium Oxide Nanoparticles Synthesized using a Hydroxide mediated approach
1	99	Mary-Kate	Williams	University of Arkansas at Little Rock	Spore Persistence in the Environment Drives Infection Dynamics of a Butterfly Pathogen
2	288	Mina	Williams	Virginia State University	Tree Inventory for Sustainable Urban Tree Program by Using I-Tree and Geographic Information System
3	216	Sierra	Williams	Temple University	Synthesis of a Quinone Methide Precursor for Reversible DNA Alkylation
2	135	Tiffany	Williams	Bethune-Cookman University	Predicting the Functions of Universal Stress Proteins of Actinomyces

Session	Poster #	First Name	Last Name	Institution	Abstract Title
3	15	William	Willis	Tuskegee University	Localization of the Gastrointestinal Sites of Action that Regulate Meal Size and Intermeal Interval by Gastrin Releasing Peptide in the Rat
3	289	Kevin	Willson	University of Maryland - College Park	The Effects of Environmental Variables on Montane Longleaf Pine Ecosystems
1	366	Christopher	Wilson	Alabama A&M University	X-Ray Flares from Galactic Centers as Emissions of Dynamic Supermassive Black Holes
3	297	Kasey	Wilson	Claflin University	Biosorption of Cadmium from Aqueous Solutions Utilizing Soybean Hulls
3	363	Chapman	Wilson Jr.	Alabama State University	Using LIBS for Nano-materials Analyzation and Quantification
2	168	Jessica	Wiltshire	Johnson C. Smith University	Genome-Wide Association Mapping of Avenanthramide Pathway in Oats
4	290	Jennifer	Wong-Ala	Kapi'olani Community College	Stressed Out Streams: The Effects of Agriculture on Stream Nutrient Cycling
4	217	Adam	Woods	Belmont University	New Positively Charged Contrast Agents For Diagnosis Of Osteoarthritis
1	218	Terqueasha	Wooten	Howard University	Synthesis and Characterization of Shape Memory Polyurethane
3	184	Thaiesha	Wright	Spelman College	Synthesis of Sulfonamide Derivatives for the Improvement of Chemotherapeutic Treatment
2	185	Elangeni	Yabba	University of the Virgin Islands	Comparison of Hydrophilic and Lipophilic Antioxidant Activity between Commercial and Fresh Herbs
1	440	Christopher	Yang	City College of New York	Mobile Crowd Sourced Navigation For The Visually Impaired
2	379	Aara'L	Yarber	Howard University	Statistics of ionospheric amplitude scintillation and its correlation with phase scintillation over Bahir Dar using GPS-SCINDA during solar maximum phase
3	169	Jonathan	Yee	University of Washington	The Role of LEAFY Homologs on the Growth and Development of the Fern <i>Ceratopteris richardii</i>
1	443	Michael	Yitna	Jackson State University	Defining the Occlusal Plane for Three-Dimensional Laser-Scanned Palate Impressions
2	136	Claresa	Youngblood	Tougaloo College	Phenotypic Variations of Pathogenic Nonencapsulated <i>Streptococcus pneumoniae</i> based on infection site
2	219	Ykeshia	Zamore	Univeristy of the Virgin Islands	Surface Segregation in Mixed Oxides

2015 ERN Conference in STEM  
 Washington, DC - February 19-21, 2015  
 Washington Hilton - Columbia Hall  
 Undergraduate Poster Presentation Schedule\*

Poster Presentation Session 1: Friday, Feb. 20th - 10:00am - 12:15pm  
 Poster Presentation Session 2: Friday, Feb. 20th - 4:30pm - 6:30pm  
 Poster Presentation Session 3: Saturday, Feb. 21st - 8:00am - 10:30am  
 Poster Presentation Session 4: Saturday, Feb. 21st - 11:00am - 12:30pm

Session	Poster #	First Name	Last Name	Institution	Abstract Title
2	170	Hang "Becky"	Zhong	North Carolina State University	Comparison of Effectiveness in Gene Silencing of Phytoene Desaturase (PDS) Gene Through CRISPR and RNAi Techniques in Tomato Plants
3	255	Huang	Zou	Borough of Mahattan Community College	Transcode 3D Content to Blind People