

Session #	Poster #	Primary Author First Name	Primary Author Last Name	Primary Author's Institution	Abstract Title
4	249	Ryan	Acker	University of Arkansas at Pine Bluff	Contributions of the Antikythera Mechanism and Discovering the Mechanical Moon Phase Anomaly
3	328	Naomi	Adams	Howard University	Functionalized Silica Magnetite Nanoparticles for Magnetic Removal of Lead from Aqueous Solutions
2	320	Kleyser	Agueda Lopez	North Carolina Central University	Synthesis and Characterization of CdS/CdS _x Se _{1-x} Nanowires
1	10	Aizaz	Ahmad	Xavier University of Louisiana	Anti-Angiogenic Actions of Rare Ketohexoses in a Chick Embryo Model
2	340	Deonte	Alexander	Dillard University	Polymer-Inorganic Nano-Composite Thin Film Upconversion Light Emitters Prepared by Double-Beam Matrix Assisted Pulsed Laser Evaporation (DB-MAPLE) Method
1	1	Jameshisa	Alexander	Howard University	Analysis of Flavonoid Prenyltransferase Genes from the Transcriptome of Pueraria Mirifica and Induction of Isoflavonoid by Methyl Jasmonate (MJ) in Pueraria Cell Suspension
4	65	Tamirat	Ali	Minneapolis Community and Technical College	Sorption of Methane by Gungi: A Study to Detect Methane Capture by Biofilter Fungi
1	372	Janerra	Allen	University of Wisconsin-Madison	The Effectiveness of Task-based fMRI Screening for Patients with Epilepsy on the Basis of Difficulty and Preparedness
1	209	Lance	Allison	Winston-Salem State University, NC	Detecting Over-Privileged Applications by Analyzing System Logs and System Information
2	210	Matthew	Alston	Benedict College	Image Compression Using Discrete Cosine Transform
1	144	Michael	Alves	Augsburg College	Phase Transitions of Biologically-Derived Components in Sea Spray Aerosols
1	373	Rodolfo	Amezcuca	California State University, Long Beach	3D Displacement Fields of Lipopolysaccharide Activated Neutrophil Chemotactic Behavior

Undergraduate Student Poster Presentation Schedule*

Session #	Poster #	Primary Author First Name	Primary Author Last Name	Primary Author's Institution	Abstract Title
4	251	Kaia	Amoah	Hampton University	Exploring the Phylogenetic Diversity of Red Deepsea Crabs
2	96	Joycemary	Amponsem	Howard University	Determining Which Sample of Hibiscus Sabdariffa Exhibits the Most Antimicrobial Activity
3	211	Therrick-Ari	Anderson	Lincoln University of Missouri	Musical Instrument Classification Using a Neural Network
1	333	Bria	Andrews	Hampton University	Role of Hexadecylamine in the Shape-Controlled Synthesis of Copper Nanocubes
2	293	Aleah	Archibald	North Carolina A&T State University	A Mathematical Investigation of Vaccination Strategies in a Heterogeneous Population to Prevent Measles Epidemics
2	26	Tsegaye	Arficho	BCCC	Improving Algal Biofuel Production by Expression of Carbon Concentrating Mechanism Enzymes
2	416	Esther	Armah	Prairie View A&M University	Life Cycle Analysis of Pollutant and Greenhouse Gas Emissions for Electric Vehicles
2	271	Lauren	Arnold	University of the Virgin Islands	Identification of Nassau Grouper Eggs in the Plankton: Is Size a Valid Metric?
1	332	Caio Soares	Azevedo	Delaware State University	Development of Mid-infrared Laser-based Methane Sensor for Atmospheric Detection and Air-quality Monitoring
1	387	Kevin	Badaszewski	Savannah State University	Optimal Gate Assignment at Distribution Center: A Case Study
2	164	Adore Corina	Bagasao	Howard University	Synthesis and Characterization of BSA capped Silver Nanoparticles Encapsulated in PHBV
2	294	Hydeia	Bailey	Savannah State University	Applications of a Legendre Polynomials

Session #	Poster #	Primary Author First Name	Primary Author Last Name	Primary Author's Institution	Abstract Title
2	341	Christopher	Ball	Alabama State University	A Comparison of 266 nm, 532 nm and 1064 nm on Single Pulse Laser with Induced Plasmas
3	282	Mikiah	Ballard	University of Arkansas at Pine Bluff	Phenotypic Effects of Silencing Fatty Acid Desaturase 3 in Tomato
2	430	Raquael	Ballard	Virginia State University	Metrology of Injection Molded and 3D-Printed Plastic Automotive Components
1	212	Christopher	Banks	Norfolk State University	Automated Planning with Humans-in-the-Loop
2	97	Brett	Barlow	Alabama State University	Peptides as Potential Antimicrobial Agents
1	362	Darius	Bates	Jackson State University	Life Cycle Assessment Criteria For Demolition and Deconstruction Case Studies
1	374	Lonika	Behera	University of the District of Columbia	Exploring Force-Exertion of a Robotic, Prosthetic Hand for Common Hand Gestures
2	213	John	Bell	Louisiana State University Shreveport	Implementing Faster Associative Containers for GIDs in Hpx
1	6	Choyce	Bennett	Norfolk State University	Analysis and Simulation of Modified Electrode Stimulation and Measurement Patterns for Electrical Impedance Tomography (EIT)
2	291	Kevin	Benton	Elizabeth City State University	A Continuing Study of the Water Quality in the Pasquotank Watershed in Northeastern North Carolina
3	214	Tangee	Beverly	Elizabeth City University	Game Development With Big Data
3	27	Jamie	Binns	Talladega College	Sympathetic Neurotransmitter Induced Vasoconstrictions in High Fat and Control Diet Fed Rats

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4	252	Daneisha	Blair	Southern University Agricultural and Mechanical College	Observed Relationship between Sea Surface Temperature and the Maximum Intensity of Tropical Cyclones
3	98	Ron-esha	Blake	Alabama State University	Nano encapsulated proprietary antimicrobial peptides
3	165	Dwight	Bland	Norfolk State University	Dual Heterojunction of Bismuth Vanadate for Enhanced Photoelectrochemical Water Splitting
3	99	Alessandra	Bliss	Ohio State University	The Antibacterial Activity of Apigenin
4	28	Dixie	Blumenshine	Humboldt State University	The Role of CD19 on Prion Susceptibility
2	363	Matthew	Bolton	Prairie View A&M University	Testing Racial Bias in Police Officers Using a Shooting Simulator
1	375	Chelsie	Boodoo	Florida International University	Attraction of Glucose on a Gold or Silver Nanoparticle Coated with Mixed Thiols
1	29	Ashley	Boothe	Hampton University	Determining the Microbial Communities of the Red Crab Habitat
1	256	Jaquantey	Bowens	Tennessee State University	Effects of Precipitation Changes on Switchgrass Physiology, Roots and Biomass
3	145	Erica	Brackett	Dalton State College	TAT-CaM Transport of Cargo Into Cell Populations
2	347	Chelsea E.	Bradshaw	Spelman College	Examining the Effectiveness of the Flipped Learning Format in the General Chemistry for Majors Sequence
2	135	Alexandria	Brame	Bowie State University	The Elicitation of Beta-Carotene in <i>Daucus carota</i> with the Use of Benzoic Acid and Salicylic Acid

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1	100	Jordan	Branch	Spelman College	Species Discovery: A Large New Amoeba With Unique Cytoskeletal Architecture
3	283	Jessica	Brar	Heritage University	Evaluation of Biochar on Plant Growth and Development
1	157	Nathalie	Bravo Batista	North Carolina Central University	Designing Probes to Detect Amyloid Plaques in Patients with Alzheimer's Disease
2	166	DaShan	Brodus	Paine College	Reversible Approach for Silicon Surface Modification
2	30	Alexandria	Brooks	Alabama State University	Presentation of Foreign Peptides to Q-Beta Phage for Nanoparticle Binding
2	343	Abasi	Brown	North Carolina Central University	Measuring Spin in Hadronic Resonance Decays
1	75	Chrysten	Brown	Bowie State University	DNA Barcodes of the Fish Species of South Eastern Nigeria for Dry Fish Import Protection in the United States
2	76	Joyce	Brown	Clafin University	Gender Bias and Fetal Testosterone and RORA in Autism Spectrum Disorder
3	31	Tariq	Brown	Central Michigan University	Genetically Encoded Light Sources for Non-Invasive Optogenetics
1	257	Lennon	Bruney	University of Virgin Island	Size of Coral Colonies Determines the Mean and Variability of Growth Rate
3	167	Shaikara	Bryant	Tougaloo College	Microwave-Assisted Alkylation of Anilines: Alkylation of 2, 4-Dimethylaniline with Vinylarenes
1	215	Damien	Burks	Texas Southern University	Test-Bed for Detecting WSNs in Labview via Remote-controlled Vehicles

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3	146	Susan	Campbell	Louisiana Tech University	Simplified Purification of GST-tagged Proteins
4	250	Odemaris	Carrasquillo	University of Puerto Rico Mayaguez Campus	Carbon Dynamics in Leaf-Cutting Ant (<i>Atta cephalotes</i>) Colonies: Soil and Vent Behavior in Response to Precipitation
3	284	Marion	Carswell	Fort Valley State University	In Vitro Regeneration and Multiplication of <i>Valeriana officinalis</i> - Rare Medicinal Plant
2	348	T'Shana	Carter	Tennessee State University	An Investigation of Mentoring Practices of Graduate STEM Programs
2	168	Arrieyana	Cartier	Virginia State University	Addition of Gallic Acid as a Protectant Against Anthocyanin and Color Degradation in Vitamin C Fortified Cherry Juice
2	188	Dion	Casey	Saint Augustine University	Controlling the Polymeric-Anisotropic Particle Flocculation Mechanism
2	312	Nakeshma	Cassel	University of the Virgin Islands	Doping of 2D Nanomaterials: Investigation of Chemical Environment and Electronic Structure Effect
2	7	Sarah	Chaji	University of Georgia	Novel Nitric Oxide Releasing Materials for Prevention of Infection in Vascular Catheters
3	32	Mona	Chatrizeh	University of California, Los Angeles	Conditional Knockout of ATG7 causes Delayed Wound Healing
1	33	Usman	Chaudhry	Xavier University of Louisiana	Inhibition of HSV-1-associated Ocular Neovascularization by Antiangiogenic Agents
2	295	Sukhmeni	Chauhan	California State University of Bakersfield	Improving Wind Electric Power Forecast Accuracy by Means of Bootstrap Resampling
4	383	Jiming	Chen	Rice University	A DFT Study of Chloroform Hydrodechlorination on Pd(100)

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4	253	Yanna	Chen	New York City College of Technology	Analysis of Global Drought and Land-Cover/ Land-Use Change Using Satellite Passive Microwave Observations
2	388	Amber	Childs-Santos	Howard University	Characterization of Comminution Technologies for Dry Biomass Products
2	34	Elena	Christian	Pennsylvania State University	Characterization of ptxR in <i>Erwinia amylovora</i>
3	77	Deja	Clay	Fort Valley State University	Dietary Effects on Energy Storage in <i>Drosophila</i>
2	11	Michael	Cleveland	Tougaloo College	The Effect of PTEN Loss on TRPC6 Activity Involving Migration of Co-Culture Prostate Cancer & Bone Morphogenic Model
3	35	Mayme	Cline	University of Southern California	Nano-particulate Exposure Impacts Proteasome Adaptive Responses in Young and Middle-aged Female Mice
4	36	Ashley	Colemon	Hampton University	Elucidating a Mechanism of Peroxidase-Induced Sulfilimine Bond Formation Within Basement Membranes
1	376	Ezra	Connell	Lincoln University	Thresholding Method Neuron Degeneration Analysis
1	258	Cynthia	Coria	California State University, Long Beach	Relation of Food Source Availability at Huntington State Beach to the California Least Tern (<i>Sterna atillarum browni</i>) Diet
3	12	Christa	Corley	Tougaloo College	RAGE and STING Inflammatory Signaling in Breast Cancer Cells
3	123	Melissa	Cortes	California State University, Los Angeles	Role of Reactive Oxygen Species in Gestational Diabetes and the Impact on the Developing Fetus
1	158	Oswaldo	Cossio	University of Arkansas at Little Rock	The Design and Synthesis of Novel Inhibitors of Poly(ADP-Ribose) Glycohydrolase (PARG) for Tumor-Selective Therapy

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4	124	Joshua	Cotton	Tougaloo College	Cytochrome P450 Expression and 20-HETE Production During Pregnancy
3	169	Karter	Couser	Virginia Union University	Antibacterial Properties of Copper Nanoparticle-Doped Metal-Organic Frameworks in Water
1	389	Joshua	Crawford	Virginia State University	Propeller and Cavitation Testing Experiment
3	313	Bennett	Cromer	Pennsylvania State University	Transport Measurements of ZrSi- Chalcogenide Derivatives under Ionic Liquid Gating
4	384	JustOne M.	Crosby	Western Michigan University	Flexible Lithium-Sulfur Battery: Half and Full Cell System
3	147	Breland	Crudup	Tougaloo College	Resonance Raman Spectra of Amicyanin Reveal Two Structure Sub-State in Protein Motion
4	66	Gina	Dabbah	California State University, Monterey Bay	Apothecial Emergence and Ascospore Discharge of <i>Monilinia Vaccinii-corymbosi</i> in Northern Highbush Blueberries
2	314	Jasmine	Daniels	Texas Southern University	Functionalization of H-terminated Si(111) with 1,2-epoxy-9-decene
2	136	David	Darko	Bowie State University	Analyzing Passion Fruits Using Spectral Fingerprinting Methods
2	390	Brandon	Davis	Savannah State University	The Impact of Moisture Variation on the Stiffness of Unbound Pavement Layers
1	37	Briana	Davis	North Carolina Central University	Analysis of Grooming Behavior and Synaptic Morphology in SHANK2 and SHANK3 Double Knockout Mice
1	202	Clilia	Davis	University of the Virgin Islands	Extraction and Purification of Potential Anti-Sickling Agents from Lemongrass and Green Papaya

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2	137	Jarrett	Davis	Bowie State University	Exogenous Pre-Harvest Treatment with Methyl Jasmonate and Chitosan Elicits Lycopene Biosynthesis in Tomato Plants
2	101	Ambermarie	Dawdy	University of South Florida	Optimized Delivery of rAAV into the Rodent CNS
2	38	Christine	Dawson	California State University, Bakersfield	Analysis of Antifungal Properties in Cutaneous Bacteria on the Pacific Chorus Frog (<i>Pseudacris regilla</i>)
3	39	Joshua	Dawson	University of Washington	Analysis of Coordinated Kinase Activity During Gap Junction Disassembly
2	78	Carlos	Declet	University of Puerto Rico Rio Piedras Campus	How Fat Accumulation Relates Fertilization of <i>C. elegans</i>
2	216	Jasmine	DeHart	Philander Smith College	Usability of E-Commerce Websites: The Application of Heuristics Usability
1	391	Ana Karen	Dominguez	University of California Irvine	Structural Analysis of the Hyperloop Pod
2	321	Taylor A.	Dorlus	Clark Atlanta University	A Computational Study of the Binding of Histidine and Proline with Graphene
2	189	Margot	Dormer	Pennsylvania State University	Crystallization of Atomic Layer Deposited TaS ₂
2	392	Nicole	Doughramaji	Kansas State University	Water Collection via Droplet Coalescence, Sweeping, and Ejection on Vibrating Surfaces
3	217	Kelvin	Dover, Jr.	University of the Virgin Islands	Wireless Security: Simulation of Wireless Jamming
1	364	Tasharra	Dozier	Virginia State University	The Ability of Eating Behaviors to Predict Body Mass Index

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4	13	Kate	Dray	University of Kentucky	Studying Breast Cancer Metastasis via the Effect of Breast Cancer Cells on Endothelial Cells
1	259	Aleah	Dungee	Norfolk State University	A Study of Relative Contribution of Ammonia Oxidizing Archaea (AOA) and Ammonia Oxidizing Bacteria (AOB) to Nitrification Under Different Land Use Types
2	170	Emily	Dzurka	Saginaw Valley State University	Improved Synthesis of the Anti-Piperidine Ligand
4	40	Beatrice	Edjah	Georgia State University	Characterization of a Zinc Finger Protein with a High Affinity for HIV RNA
4	122	Tracy	Edwards	Hampton University	Analysis of Stress Anisotropy in the Mechanics of Germband Retraction in <i>Drosophila melanogaster</i>
1	41	India	El	Norfolk State University	The Study of the Interaction Between Calcium Channel Alpha 1 ($\alpha 1$) Beta (β) Subunit Proteins
3	102	Robert	Emeh	Alabama State University	Novel Antimicrobial Peptide Mitigates Inflammation in Human Lung Cells Infected with <i>Pseudomonas aeruginosa</i>
3	171	Jasmine	English	Talladega College	Deficient Phosphorus Levels in Corn and Soybean Farm Soils of Talladega and St. Clair Counties
3	148	Blessing	Enya	Savannah State University	Effects of H4K16 and Gene Mutation on Sensitivity to DNA Damaging Agents and Silencing
3	420	Shanece	Esdaille	University of the Virgin Islands	Chemical Modifications to Tailor Electronic Structure of 2-Dimensional Nano-Materials
2	315	Myles	Everett	Georgia Institute of Technology	Measuring Retention of Nanocellulose Fibers and Nanocellulose Crystals in Refined Softwood Pulp Hand Sheets and Measuring Physical Properties of Hand Sheets as a Result of Adding Nanocellulose Fibers and Nanocellulose Crystals
1	303	Natalie	Faciane	Xavier University of Louisiana	Cell Penetrating Peptide Pep-1 Effects on <i>Escherichia Coli</i> Membranes: A Spectroscopic Study

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1	260	Oacia	Fair	Michigan State University	The Morphological Similarities Between Geckos and Anoles Toepad Shape
2	247	Dipatrimarki	Farkas	North Carolina Central University	Exploring AOD-PM2.5 Correlation for PM2.5 Monitoring
2	365	Alexis	Fleming	Savannah State University	Limited Research has Investigated the Affect that a Lottery System has on Survey Respondents and Performance Management
2	296	Dustin	Ford	Philander Smith College	Elucidation of Cysteine Richness in Arabidopsis Thaliana Genome Using Exact Distribution of Clump Statistics
1	218	Kofi	Forson	Delaware State University	Classificatory Decomposition of LIBS Spectra With the Aid of GPU Programming
4	410	Alex	Fournier	Norfolk State University	Non-Contact Micro-Spectrometer to Detect Polycyclic Aromatic Hydrocarbon Fluorescence on Martian Surface
4	64	Jamisha	Francis	University of the Virgin Islands	Comparison of Fluorescence Spectra of Toxic and Non-Toxic Fish
2	349	Tayla	Frizell	Mississippi Valley State University	The Impact of STEM Outreach in Low Income Schools and Communities
1	261	Ebony	Gaillard	Spelman College	The Effect of Urbanization on Bird Biodiversity in the state of Florida from 2000-2010
1	330	Angelina	Gallego	Hampton University	"Look at that Membrane!" Understanding the Interactions Between Colloids and Lipid Stabilized Interfaces Using DNA
2	42	Brittany	Gamble	Auburn University	PGC1 α - Frataxin Signaling: A Therapeutic Potential to Combat Heart Failure
4	407	Faisal Ismail	Gedi	Georgia Institute of Technology	Who's There? Developing Message Authentication for Programmable Logic Controllers

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2	138	Gabrielle	Genderen	Fort Valley State University	High Frequency Plant Regeneration from Axillary Shoot in <i>Moringa oleifera</i>
2	172	Danielle	Geremia	University of Scranton	ICE Concentration Linked with Extractive Stirrer (ICECLES)
4	103	Aliyah	Glover	University of Arkansas at Pine Bluff	Characterization of an Influenza Infection Model in Porcine Airway Epithelial
4	95	Mary	Gockenbach	University of Texas at Arlington	The Effects of Culling and Quarantine on Reducing Antibiotic Resistance in a Cohort of Beef Cattle
1	125	Kierra	Goins	Auburn University	Caffeine-Associated Reduction in Patent Ductus Arteriosus (PDA) is Mediated by Caffeine-Adenosine Receptor Antagonism
2	272	Carlos	Gomez	California State University Northridge	Natural Hazard Mitigation and Structure of the Lithosphere Asthenosphere Boundary Across the Onshore and Offshore California Continental Margin from Three-dimensional Seismic Anisotropy and Surface Wave Inversions
1	104	Cristina	Gonzalez	California State University, San Bernardino	Cultivation and Detection of Members of Group 4 Aigarchaeota
3	149	Jesus	Gonzalez	Boise State University	Study of 5'-methylthio-adenosine/S-adenosylhomocysteine nucleosidase (MTN) in <i>Borrelia burgdorferi</i> as a Drug Target
2	105	Lizett	Gonzalez	California State University San Bernardino	Cultivation and Detection of Novel Group 4 Aigarchaeota
4	409	Jessica Marie	Gonzalez Vargas	University of Puerto Rico-Mayaguez	Developing Strategies for Effective Team Communication in Medical Device Development
2	219	DeArtez	Grace	Talladega College	Mathematical Video Game Development Using Raspberry Pi and Scratch in Primary Education
3	173	Shekinah	Graham	Winston Salem State University	Development of Rhodium (I) Catalyzed Conjugate Addition Reactions

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3	43	Carlos	Granados	University of the District of Columbia	The Sine Oculis Gene is not Inhibited by Cannabinoid Exposure
1	366	Villisha	Gregoire	University of the Virgin Islands	Estimating the Risk of Alcohol Onset Soon After Cannabis Onset: A Triggering Process?
1	307	Kristen	Gregory	University of Arkansas at Little Rock	The Toxicity of Nanomaterials in Breast Cancer Cells
1	393	Binita	Guchait Saha	Texas Southern University	Using Artificial Intelligence (AI) Tools to Automate Soil Classification
1	200	Caleb	Gumbs	Alabama State University	The Influence of Laser Parameters On the Emission from a Gold Thin Film with Nanoparticles
2	174	DeChristian	Guthrie	Savannah State University	The Investigation of New Heteroleptic Lanthanide Catalysts for Ring-Opening Homopolymerization of α -methylene- γ -butyrolactone to Obtain Biodegradable Cross-linkable Polyesters
2	297	Alejandra	Gutierrez	Philander Smith College	An Examination of Above Average Clusters in Professional Bowling
2	417	Liana	Gutierrez	New Mexico State University	Sustainable Technology Empowering Sustainable Practices: An Exploration of Range-land Monitoring Using a Solar Powered UAV
2	190	Francisco	Guzman	Cal State San Bernardino	Study of Defects in Croconic Acid Single Crystals Using Positron Annihilation Lifetime Spectroscopy
2	126	Petra	Guzman	California State University, Los Angeles	Interaction between Angiotensin II and HIF-1 α in Type 2 Diabetes
3	220	Hana	Hailu	Benedict College	Designing a Game System to Embed Educational Questions and Measure Self-efficacy
3	106	Audrey	Haines	University of Minnesota, Minneapolis, MN	Identifying Gene Functions in E. Coli, G. Hansenii, and Z. Mobilis via a Model-Enabled Gene Search

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1	221	Haven	Hairston	Winston-Salem State University	Investigation of Academic Performance, Motivation, and Personality Traits in an Introductory Computer Programming Course
2	222	Annette	Hall	University of Arkansas at Pine Bluff	The Genetic Code: Pathways of the 20 Standard Amino Acids
4	107	Anika	Hamilton	Howard University	Antimicrobial Activity of Extracts of <i>Chamaemelum nobile</i> and <i>Amphipterygium adstringens</i> Against Pathogenic Bacteria
1	334	Richard A.	Hammond Jr.	Alabama A&M University	Raman Spectroscopy and Optical Characterization of Thermoelectric Devices From Ni/Bi ₂ Te ₃ /Sb ₂ Te ₃ /Ni Thin Films
4	44	Ebony	Hargrove-Wiley	Tuskegee University	Participation of Intestinal Stem Cells in Colitis Recovery
2	350	Kersten	Hart	Fort Valley State University	An Easy and Simple Method to Recover and Identify Footwear Impressions
2	431	Citralina	Haruo	College of Menominee Nation	Photovoltaic Performance Estimation: A Comparison of Solar Cell Technologies
3	223	Clayton	Hatathlie	Scottsdale Community College, Scottsdale, AZ	Identifying Security Vulnerabilities in Wireless Sensor Networks: A Survey
2	351	Jessica	Hathaway	Elizabeth City State University	Facts and Fictions about Standardized Testing
2	352	Joselyn	Hathaway	Elizabeth City State University	The Impact of STEM Outreach in Low Income Schools and Communities
4	254	Madison	Heard	California State University, Monterey Bay	Effects of Multiple Climate Change-Related Stressors on Larval Development of the Red Abalone, <i>Haliotis rufescens</i>
2	45	Shekinah	Hernandez	Hampton University	Identifying Molecules Regulating the Negative Outcomes in African American Men Post Bariatric Surgery

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3	268	Claralys	Hernández	University of Puerto Rico-Mayagüez	Atrazine Photo-Degradation with Immobilized TiO ₂ Nanoparticles in Recycled Glass Substrate
2	46	David	Heron	Xavier University of Louisiana	LRP-1 Signaling in Diabetes-induced Retinal Neurodegeneration
3	175	Brittany	Hill	Savannah State University	Hydrocarboxylation of Styrene's Using Chiral Zinc and Palladium Complexes
3	285	Cynthia	Hill	Harris-Stowe State University	Sustainability and Urban Design
2	394	Marthony	Hobgood	Virginia State University	Smart Transfer Wheelchair
1	224	Austin	Hodge	Winston-Salem State University	Learning Data Structures with Fun: The Stack Game
1	79	A'Dae	Holloman	Harris-Stowe State University	Autoimmune Diseases Prevalent in the African American Community
2	225	Amanda	Holloman	Albany State University	The Orchestra of Things
1	203	Kaila	Holloway	Howard University	The Preparation of Isoflavones and Chromones Used for Hydroxylase and Prenyltransferase Enzyme Assay in Miroestrol Synthesis
3	47	Ajaicia	Hopkins	Claflin University	Gender Bias and Fetal Testosterone and RORA in Autism Spectrum Disorder
3	48	Michael	Hopkins	North Carolina Central University	Determining How Ubiquitin Signaling Regulates Cell Fate Determination During Human Stem-Cell Differentiation
3	226	Maalik	Hornbuckle	Howard University	Design and Implementation of a Secure Database

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Session #	Poster #	Primary Author First Name	Primary Author Last Name	Primary Author's Institution	Abstract Title
1	108	Drayvon	Howard	Alabama State University	Antibiotic Nanoparticle Formulations are Effective Treatments for Pneumococcal Infection
3	421	Alayna	Huckleby	Tuskegee University	Synthesis of Porous Carbon From Waste Peanut Shell Using a Pyrolysis at Extreme Conditions
2	191	Myischionna	Hunter	Alabama State University	Design and Fabrication of Polymeric Tissue Scaffolds by 3-D Printing
1	227	Zaire	Husband	University of Arkansas at Little Rock	Inventory Management Using Snipe It
2	301	Caleb	Ignace	East Tennessee State University	Modeling Voting Dynamics in a Two-Party System: Person-To-Person Interactions and Media Effect
1	187	Emmanuel	Ike	Howard University	Removal of Crystal Violet by Electrocoagulation: Optimization and Reaction Mechanisms Involved
2	2	Moamen	Ismail	Xavier University of Louisiana	Identification of CDK and VEGFR Inhibitors for the Treatment of Vascular Pathologies
2	192	Sergio	Jacinto	California State University San Bernardino	Synthesis and Structure Prediction of a Novel, Potentially Electroactive Organic Material
2	367	Aswad	Jackson	Tougaloo College	Socioeconomic Differences in Hypertension Management and Self-Care in Living Kidney Donors
2	359	Katrina	Jackson	Virginia State University	The Effects of Cognitive Skills on Cardiovascular Reactivity to Stress
1	262	Latia	Jackson	Virginia State University	The Identification in Phytoplankton Community Structures Richness and Abundance in Hilo Bay
1	49	Lian	Jackson	Baltimore City Community College	Overexpression of Calvin Cycle Enzyme Fructose-Bisphosphate Aldolase to Increase Algal Growth Rate

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3	127	Curteisha	Jacobs	Harris Stowe State University	The Effect of Glutamic Acid on Neurological Functions in Drosophila
4	385	Niloufar	Jafari	Houston Community College	Designing Ternary Blends of PTB7/PCDTBT/PCBM Solar Cells
1	395	Jamelle L.	Jaudon	Savannah State University	Friction Characteristics of Savannah, GA Roads
4	67	Kyle	Jerris	University of the Virgin Islands	The West Indian Sea Egg (<i>Tripneustes ventricosus</i>) can Learn to Eat the Invasive Seagrass <i>Halophila stipulacea</i>
1	201	Aaleyah	Joe	Mary Baldwin University	Water Compatible Silicon Quantum Dots for Photocatalytic Water-splitting
1	263	Bethany	Johnson	Sonoma State University	Evaluation of Random and Length Stratified Sampling to Establish Size-at-Age of Pacific Cod
1	335	Craig	Johnson	Saint Augustine's University	Magnetic Transitions in Samarium at High Pressures and Low Temperatures
2	50	Jasmine	Johnson	University of Arkansas at Pine Bluff	Dipeptidyl Peptidase 4 Inhibitors Augment the Activation of Cardiac Fibroblasts by SDF-1 α , Neuropeptide Y, and Peptide YY
2	109	Tariq	Johnson	Howard University	Analyzing The Antimicrobial Effects of Chemical Compounds on Biofilm Development
3	286	D'Amber	Jones	Fort Valley State University	The Role of Sugars and Acids in <i>Solanum Lycopersicum</i> : Soluble Solids and Aroma Compounds in Relation to Flavor
2	80	Tashmay	Jones	Bethune-Cookman University	Human Placental Gene Expression: Collectins
2	193	Victoria	Jones	Penn State University	Synthesis of Au-Seeded and Doped MoS ₂ via Powder Vaporization

Session #	Poster #	Primary Author First Name	Primary Author Last Name	Primary Author's Institution	Abstract Title
2	396	Florantine	Joseph	Howard University	Structural Analyzer System Using Wireless Sensors (SAVER PROJECT)
3	422	Lorne	Joseph	University of the Virgin Islands	A Novel Solution for Powering Our Planet: Comparative Study of a Novel Titania Sol and a Titania Powder for the Improved Efficiency of Dye-sensitized Solar Cells
3	110	Serena	Joseph	University of the Virgin Islands	Evaluation of Weaning Age on Parasite Burdens of Hair Sheep Lambs in an Accelerated Lambing
2	228	Brandon	Joyce	University of North Carolina at Greensboro	Graph Based Anomaly Detection Using MapReduce on Network Records
4	143	Akofa	Kekeh	Norfolk State University	North Pacific Loggerhead (Caretta caretta) Sea Turtle Conservation
3	81	Ashley	Kim	University of California Davis	Stirring up the Muck: The Systematics of Fionidae (Nudibranchia: Aeolidina) from the Indo-Pacific
3	150	Audrey	Kishishita	California State University, Los Angeles (CSULA)	Effects of Ice-binding Proteins from Cold-adapted Insect Tenebrio Molitor on Calcite Crystallization
1	397	Nigel	Knights	Howard University	Structural Performance Monitoring through Utilization of Wireless Networks on Multistory Structures
3	423	Amara	Kouyate	Benedict College	Evaluating a Graphite-Aluminum Composite for Traffic Detection Sensors
3	229	Terrance	Lagree	Morgan State University	Multimodal Classification of Images in Biomedical Literature
1	230	Alice	Lam	Kansas State University	Data Science using Sensor Data Implemented on a Wearable IOT Edison Platform with Machine Learning Applications
3	51	Tre	Landry	University of Georgia	Sperm Specific PP1 Phosphatases are Required for Chromosome Segregation

Session #	Poster #	Primary Author First Name	Primary Author Last Name	Primary Author's Institution	Abstract Title
1	368	Kendall	Lane	Hampton University	The Impact of Technology on the Music Industry Economy
2	316	Kheng Rowen	Lapastora	University of Washington	Synthesis and Characterization of Conjugated Polymers for Organic Electronics
4	52	Marshae	Lashley	Fisk University	Protein-Protein Docking and Virtual Screening of Inhibitors of S100-RAGE Signaling Axis
1	336	Chavez	Lawrence	Pennsylvania State University	Palladium-Indium Contacts to Tin Monosulfide
2	231	Antwane	Lewis	Philander Smith College	Password Construction Policies and Password Strength
2	273	Johannah	Lewis	Howard University	Determining the Active Zone of Moisture Content for Expansive Soils in a Region in Order to Obtain the Foundation Depth at Which Swell Pressure Will Not Need to be Considered
3	82	Shantae	Lewis	University of the Virgin Islands	Extracting DNA from Halophila stipulacea Plants Around the Virgin Islands
2	53	Andrew	Lexington	Harris-Stowe State University	Maintaining Habitable Nematode Growth Medium Environments With Anti-fungal Solutions
2	353	Germysa	Little	Tennessee State University	An Exploratory Analysis of the Experiences of Underrepresented STEM Graduate Students
3	244	Darrion	Long	Lincoln University, MO	Validating an Algorithm for Detecting Buzzes from Field Audio
2	418	Elena	Lopez	University of Southern California	Nutrient Recovery of Nitrogen and Phosphorous as Struvite Using Microbial Desalination Cells
3	232	Ivonne	Lopez	University of Texas at El Paso	Sol y Agua Project: Constructing an Engaging Interface for Educational Games

Session #	Poster #	Primary Author First Name	Primary Author Last Name	Primary Author's Institution	Abstract Title
1	310	Kamali	Lowe	Hampton University	Image Processing in Nanorobotics For Medical Applications
3	288	Samuel	Lum	Rochester Institute of Technology	Optimizing the Biochemical Interaction of Exoelectrogenic Bacteria in Microbial Fuel Cells for Waste Treatment and Bioenergy
1	233	Mnsa	Maat	Philander Smith College	Heuristics Usability Inspection for Analysis and Visualization Tools
1	360	Zahra	Mahamed	University of Minnesota-Twin Cities	Predominance of DR3 in Somali Children with Type 1 Diabetes in the Twin Cities, Minnesota
1	14	Courtney	Mangum	Tougaloo College	Identifying Progression of Aggressive Prostate Cancer Originating from Lunatic Fringe/Notch-Regulated Mice Models
4	382	Camille	Marrero Laboy	University of Puerto Rico Mayagüez Campus	Making Biological Sense of Important Genes in Breast Cancer and their Coordinated Behavior: Preliminary Results
2	234	Ochaun	Marshall	University of North Carolina at Greensboro	Semi-Supervised Deep Neural Network for Network Intrusion Detection
4	111	David	Martin	Alabama State University	Functional Role of Induced SOCS Proteins by Chlamydia trachomatis on IFN- γ Signaling
2	139	Britney	Martinez	Northern New Mexico College	Subcellular Localization of Cajal Body Proteins in Land Plants
1	377	Lesley	Martinez	University of Washington	Constructing a Pulsatile Flow Chamber Model: Calculating Damping of Microtubes Based on Rate of Flow
2	54	Olivet	Martinez	Kansas State University	Investigating Water Permeability of Human SLC5A8 Transporter Expressed in Xenopus Laevis Oocytes
2	369	Cristian Eduardo	Martínez Medina	University of Puerto Rico	Ending the Pink Tide: Welfare Spending and Government Approval in Leftist-Populist Latin America

Session #	Poster #	Primary Author First Name	Primary Author Last Name	Primary Author's Institution	Abstract Title
4	93	Michael	Mateo	New York City College of Technology	Evaluating Coral Reflectance Signatures in Response to the Chemical Oxybenzone, and Classification of Coral Reefs Using Landsat 8 Imagery
2	361	Nika	McClellan	Virginia State University	The Ability of Eating Behaviors to Predict Cardiovascular Reactivity to Stress
3	269	Jameese	McCray	Southern University and A&M College	Kinetic Study of Fluoride Removal from Water Using Laterite-Alumina Adsorbent
2	15	Leticia	McDaniels	Xavier University of Louisiana	Highly and Moderately Aggressive Mouse Ovarian Cancer Cell Lines Exhibit Differential Gene Expression
3	235	Levie	McGee	Philander Smith College	Comparing Programming Languages for Distribution Computation
1	378	Aliyah	McIlwain	Lincoln University	Neuron Loss Quantification Using Histogram Analysis
1	83	Jasmine	Mckissick	University of Arkansas at Little Rock	Genetic Causes of Craniosynostosis
1	207	Alexa	McLeod	Howard University	Purifying Pollutant; Photodegradation and Aqueous Tobacco Effluent
4	68	Michelle	McPherson	Garden City Community College	The Effect of Sanitization on Molds Present in a Kitchen Sponge
4	69	Elizabeth	Meisman	Humboldt State University	Osprey Nest Site Selection
3	424	Jomary	Mercado Montijo	University of Puerto Rico Mayaguez	Detection of Endotoxin via Structural Transitions in Liquid Crystalline Droplets
2	84	Crishaena	Meyer	Harris-Stowe State University	Human Genotyping for Psychological Traits

Session #	Poster #	Primary Author First Name	Primary Author Last Name	Primary Author's Institution	Abstract Title
3	317	Sean	Mileski	Pennsylvania State University	Synthesis and Characterization of Bulk and Two-Dimensional Gallium Selenide
1	236	Karla	Miletti	Delaware State University	Analyzing Plasticity in Spinal Motor Neurons Using Multi-Objective Evolutionary Algorithms for the GPU Platform
3	16	Joselyn	Miller	Alabama State University	Molecular Characterization of Role of Erythroblast Macrophage Protein (Emp) in Colorectal Cancer Progression
3	8	Shaiyenne	Miller	Alabama State University	Surface Engineering of Q β to Synthesize Optimal Biomarkers for Point of Care Monitoring of Malaria
4	94	Maiya	Minor	Talladega College	Investigation in Rheological Property of Epoxy Nanocomposites
3	85	Ayana	Mitchell	University of Maryland Baltimore County	Overexpression of a Dual Function FBPase/SBPase to Improve Algal Growth
4	128	Destiny	Mitchell	Mississippi Valley State University	Characterization of a Novel Rat Model of Uncoupling Protein 3 Deficiency
3	55	Ja'Laquan	Mitchell	Dartmouth College	Putting It All Together: HIV-1 Tat-interacting Protein of 110 kDa Interacts with and Regulates Expression of Heterogeneous Nuclear Ribonucleoprotein-U
1	304	Shannon	Mitchell	Xavier University of Louisiana	Analysis of Antimicrobial Peptide Secondary Structure Using the Atomic Force Microscopy (AFM)
4	121	Kaiemah	Mond	Delaware State University	Quantitative Characterization of Nano Diamonds Modified by Proteins
1	358	Christina Ann	Moore	University of Arkansas at Pine Bluff	Clinical Characteristics of Asparaginase Reactions in Patients Undergoing Treatment of Acute Lymphoblastic Leukemia
4	86	Josiah	Moore	Tougaloo College/Brown University	How Does Protein Phosphatase 2A Positively Regulate Production of Ethylene Gas in Arabidopsis?

Session #	Poster #	Primary Author First Name	Primary Author Last Name	Primary Author's Institution	Abstract Title
4	56	Kenya	Moore	Dillard University	Expression and Initial Characterization of Human Parkin
3	151	Maria	Morales	University of Puerto Rico at Cayey	Mechanism of Bacterial Toxin's Entry to Mammalian Cells
4	17	Brianna	Morris	Elizabeth City State University	Targeting Gli2 in Chondrosarcoma Cells
2	356	Juanita A.	Morris	Virginia State University	Psychological Factors Effecting Math Performance of African American Secondary Students
1	264	Calwyn	Morton	University of the Virgin Islands	Leaf Variation in the Invasive Species Halophila Stipulacea
4	408	Sarah	Mosqueda	California State University, Bakersfield	Robust Energy Management Systems Using Consensus
2	337	Aziz	Muhammad	Dillard University	Polymer-Inorganic Nano-Composite Thin Film Upconversion Light Emitters Prepared by Double-Beam Matrix Assisted Pulsed Laser Evaporation (DB-MAPLE) Method
1	265	Josefa	Munoz	University of Guam	Effect of Fragment Size on Bird Species Richness Using Bioacoustics
4	70	Maya	Munstermann	University of Connecticut	Reef Pest or Ecosystem Destroyer? The Diet of an Invasive Species in the Caribbean, The Lionfish Pterois Volitans
2	237	Christian	Murga	University of Texas at El Paso	Data VizION: Augmenting Education Through Data Visualization
3	322	Jonathan	Mwizerwa	Georgia Gwinnett College	Effect of ZnO Nanoparticles on Streptococcus Pneumoniae
1	129	Joan	Ndungu	Kennesaw State University	The Role of Nicotinamide Riboside (NR) in Liver Regeneration

Session #	Poster #	Primary Author First Name	Primary Author Last Name	Primary Author's Institution	Abstract Title
3	238	Whitney	Nelson	Hampton University	Secure Coding in Nanorobotics Applications
2	176	Nhat	Nguyen	New Mexico State University	Clay Dehydroxylation Analysis with TGA/DSC for Heavy Metal Sorption Pellet Fabrication
3	177	Genique	Nicholas	University of the Virgin Islands	Bioavailability of Methylmercury in Rice Cereal and Fish
2	194	Aurelie	Niyongabo	Binghamton University	Electrospun Fibers of Fluorescent Conjugated Polymer Chemosensors in Polymer Blend Matrix
1	239	Jean-Marie	Nshimiyimana	Johnson C. Smith University	Data Analysis of Haiti's Resiliency Post-2010 Earthquake
4	411	Dilnesa	Nukuro	University of the District of Columbia	Design and Implementation of a Wireless Sensing System for Pavement Health Monitoring
1	18	Philomena	Nwanze	North Carolina Central University	Investigating the Role of WNT Signaling in Medulloblastoma
1	57	Anthony	Obi	Texas Southern University	Effects of HIV-1 Nef on Intracellular Adhesion
3	425	Kyrstyn	Ong	Swarthmore College	Synthesis of Low Molecular Weight π -Conjugated Polymers for the Dispersion of Single Walled Carbon Nanotubes
1	379	Alondra M.	Ortiz-Ortiz	University of Puerto Rico, Mayaguez Campus	Evaluating the Neurostimulator: A Medical Device to Mitigate Chronic Pain Diseases
4	412	Cecilia	Osorio	California State University, Bakersfield	Revised Particle Swarm Optimization for Renewable Energy Systems
2	274	Elizabeth	Osota	University of Georgia	Effects of Historic Cotton Farming on the Depth to the Argillic Layer

Session #	Poster #	Primary Author First Name	Primary Author Last Name	Primary Author's Institution	Abstract Title
2	298	Chanae	Ottley	University of the Virgin Islands	Behavioral Patterns of the Index of Non-Repetitive Sequences
2	432	Taylor	Oudenhoven	College of Menominee Nation	Challenges with Accurately Estimating Solar Energy Production and Valuation
1	112	Ricky	Padilla-Del Valle	University of Puerto Rico at Mayaguez	Assessing Antibiotic Resistance in Pristine vs Anthropogenic Impacted Environments Using Metagenomics
2	19	Adelina	Parral	Seward County Community College	Evaluating the Ability of Merkel Cell Polyomavirus Large T Antigen to Change UV Sensitivity
2	357	Dhruvika	Patel	Savannah State University	Study on Weighted\Non-Weighted Regression Curves for the Population with Diabetes Mellitus
4	413	Joshua	Peeples	University of Alabama at Birmingham	LIVE ON: Lane, Sign, and Vehicle Detection for Various Environments
2	398	Jakobi	Peets	University of the Virgin Islands	Wake-induced Oscillations of a Flexible Cylinder in Tandem Orientation with a Rigid Cylinder
3	245	Perewari	Pere	Lincoln University of PA	Kizzle Application
2	195	Derek	Perry	University of Washington/Brooklyn College	Degradation and Stability of Polymers in Organic Photovoltaics
3	20	Jasmine	Perry	North Carolina Central University	Identifying the Most Effective Activation Method of T-Lymphocyte for Immunotherapy Approaches
2	140	Adria	Peterkin	Howard University	Synthesis of 2-Acetylnaphtho[2,3b]furan-4,9-dione Toward The Exploration of Skin Cancer Cells and Normal Cells
4	71	Cheryl	Petsche	University of the Virgin Islands	What to wear? Camouflage selection in a Caribbean sponge crab

Session #	Poster #	Primary Author First Name	Primary Author Last Name	Primary Author's Institution	Abstract Title
2	58	Stacey	Phan	San Francisco State University	Investigation of HsGOT1 Through Yeast Two Hybridization
3	3	Madison	Piassek	Georgian Court University, Lakewood, New Jersey, USA	Protein Crystallization Using Ionic Liquids as Additives
1	204	Asha	Pierce	Dillard University	Antimicrobial Activity of Plant Extracts on Oral Bacteria That Can Cause Life Threatening Diseases
1	87	Marciay	Pitchford	Harris-Stowe State University	Identification of a New Gene that Regulates Central Nervous System and Heart Development in Drosophila
4	255	Whelennis	Polanco	City College of New York	Seasonal Variability of Precipitation Extremes in New York City
3	152	Shahrazad	Polk	Texas Southern University	The Stereochemistry of Biosynthetic Phenylserine
2	178	Nia	Pollard	Howard University	Analysis of the Enzymatic Reaction of Urea to Ammonia
3	270	Sandra	Ponce	Taft College	Candidate Trees for Terrestrial CO2 Storage in Regions with High Air Pollution and High Water Stress
2	338	Cyerra	Prevo	Grambling State University	Williamson-Hall Analysis of High-energy Ball-milled ZrB2 and HfB2 Powders
3	59	Jayde	Price	Alabama State University	Effects of Nicotine on Exosome Biogenesis
2	344	Teriana Jaslin	Pride	Howard University	Comminution Performance of the Dry Husk of Bauhinia purpurea and Cocoa On a Local Grinding Mill
2	88	Lawrence	Prograis, IV	Harris-Stowe State University	Genotyping TPH2 and AGT to Determine Disease Risk in a Family

Session #	Poster #	Primary Author First Name	Primary Author Last Name	Primary Author's Institution	Abstract Title
2	275	David	Quezada	California State University of Northridge	The Provenance of High-Grade Metasedimentary Rocks, Fiordland, New Zealand
3	323	Mizrain	Ramirez	North Carolina Central University	The Characterization and Assembly of VO ₂ Nanostructures
4	60	Sirai	Ramirez	William Paterson University	Amphibian Metamorphosis: A Developmental Response to Environmental Cues
3	324	Angelisse	Ramos Morales	University of Puerto Rico-Mayaguez Campus	Effect of NbB ₂ Nanoparticles on the Portevin-Le Chatelier Phenomenon in Al-Mg Alloys
3	281	Natalia	Rangel	California State University, Bakersfield	Detection of Coccidioides Immitis in Soil Samples Using a DNA and RNA-Based Approach
3	287	Robin	Rayford	Harris Stowe State University	Bee Diversity in the Vegetable Garden
1	308	Jala	Redmon	Alabama State University	Prospects of IR-780 as an Imaging Dye for Enhanced Prostate Cancer Diagnosis via High-Density Lipoproteins
2	130	Bridonna	Reed	Mississippi Valley State University	Condomology: The Use of Condoms among HIV Positive and Non-HIV Positive Men who have Sex with Men Main and Causal Partners
1	380	Justin	Reed	University of Maryland Baltimore County	The Image-Based Assessment of Chronic Obstructive Pulmonary Disease
1	419	Serrae	Reed	University of Houston	Photovoltaic Recycling
3	179	Sydney	Reed	University of Arkansas at Pine Bluff	Ruthenium Complexes are pH- Activated Metallo Prodrugs Due to Photodissociation in Acidic Cancerous Cells
2	311	Zairelys A.	Reyes Rivera	University of Puerto Rico, Mayaguez Campus	Impact of Material Science and Engineering Clubs on the Perspectives and Perceptions of STEM

Session #	Poster #	Primary Author First Name	Primary Author Last Name	Primary Author's Institution	Abstract Title
2	113	Christopher	Rhoades	Michigan State University	The Novel Second Messenger Cyclic-GMP-AMP Dependent Regulation of Chemotaxis in <i>Vibrio Cholerae</i>
1	305	Taylor	Ribeiro	Norfolk State University	Optimization of Prostate Cancer Biomarkers using Quartz Crystal Microbalance
3	21	Kayla	Rice	Hinds Community College-Utica Campus	The Effects of Triamcinolone Acetonide on A549 Cells
3	325	Caitlin	Richmond	Hinds Community College-Utica Campus	Fluorescence Quenching of Indole Dye Derivative by Gold Nanoparticles
3	289	Damon	Ricks	Norfolk State University	The Impact of Lead Water Pollution Toxicity on Aquatic Organisms
1	329	Luis	Rivera	Lake-Sumter State College	Examining the Probability of an Electron Capture Supernova of the Crab Nebula Using a Non-constant Acceleration Model to Derive an Equation of State
3	426	Cristian	Rivera Perez	University of Puerto Rico, Mayaguez	On the Assessment of the Effect of Silica Nanoparticles on the Early Age Strength of High Performance Concrete
2	196	Eden	Rivers	University of Washington	Structure and Properties of Novel Ceramic Membranes for Flow Batteries
2	240	Miracle	Robinson	J.F. Drake State Community and Technical College	Near Field Communications
3	114	Josue	Rodriguez	University of Puerto Rico, Mayaguez	Identification of <i>Rhodobacter Sphaeroides</i> Genes Involved in Bacteriophage Infection
2	141	Kiara	Rodriguez-Nuñez	University of Puerto Rico Mayaguez Campus	Exploratory Analysis of the Fungal Community and Common Scab Disease Correlation in Potato Tubers from Wisconsin
3	326	Maurice	Roots	Hampton University	Size Controlled Synthesis of Aqueous Silver Nanoparticles via Microwave Irradiation

Undergraduate Student Poster Presentation Schedule*

Session #	Poster #	Primary Author First Name	Primary Author Last Name	Primary Author's Institution	Abstract Title
2	72	Zola	Roper	University of the Virgin Islands	What Effect do Summer Science Camps Have on Their Participants? An Assessment of the 2016 Youth Ocean Explores Program
2	22	Uriel	Rose	Alabama State University	RES Modulates Hsp70 in Prostate Cancer Cells
1	370	Samuel F.	Rosenblatt	St. Mary's College of Maryland	Using Risk Brokerage to Inform Intervention Targeting Strategies in Disease Networks
1	266	Raisa Kellen	Roxas	Norfolk State University	Ecological Study of Rotifers
1	159	Brittini	Roye	University of the District of Columbia	Triphenyltin Acetate as Inhibitors of Cysteine Protease
2	318	Lauren	Runkle	Pennsylvania State University	Freestanding Van der Waals Heterostructures Based on Monolayer Transition Metal Dichalcogenides
2	180	Maria	Salazar	University of California, Irvine	Investigation of the Sources and Properties of Ultrafine Particles in Irvine, California
2	23	Harvey	Salley	Clark Atlanta University	Do Variable Somatic Mutation Rates Lead to Different Prostate Cancer Incidence Rates Between Men with Different Geographical Ancestry?
1	399	Rudy	Salomon	Texas A&M University Corpus Christi	Simulation and Experimental Study of Wind Farm Layout Optimization
1	160	Dontá	Samuel	Clark Atlanta University	Development of Novel Tetrahydroimidazopyridine and their Antiproliferative Property Against Prostate Cancer
2	197	Colomba	Sanchez	California State University, San Bernardino	Subset System Study of Diisopropylammonium Bromide: An Organic Ferroelectric Crystal
2	276	Jeremy	Sanchez	City College of New York and New York City College of Technology	Thermal Structure of the Urban Boundary Layer during a Heat Wave Period

Undergraduate Student Poster Presentation Schedule*

Session #	Poster #	Primary Author First Name	Primary Author Last Name	Primary Author's Institution	Abstract Title
1	267	Kelvin	Santana Rodriguez	University of Puerto Rico at Humacao	Factors Influencing Settlement Patterns on the Barnacle <i>Chthamalus panamensis</i>
2	354	Eduardo F.	Santiago Vargas	University of Puerto Rico, Mayaguez Campus	Nanito: Education Through Video Games
2	339	Aleaha	Schenck	North Carolina Central University	Effects of Plasma Treatment on Pristine Graphene
2	277	Farjana	Shati	New York City College of Technology	Differences Among Near-Surface Air Temperature, Land Surface Temperature and Soil Temperature Using Remote Sensing and Ground-Based Observations
4	115	Ryan	Shaw	University of the Virgin Islands	Identifying the Role for shp in Preventing Cholestasis
2	400	Zachary	Shepard	Assumption College	Self-healing Coatings for Structural Steel
1	162	Donna	Shi	Baltimore Polytechnic Institute	Increasing Omega-3 Fatty Acid in Algae with Mixotrophic Environments
1	116	Denerick	Simpson	Savannah State University	Oral Microbiome Analysis: Murine Model of Periodontal Disease
2	117	Yvette	Singh	California State University Bakersfield	Investigation of the Lettuce Corky Root Bacteria <i>Rhizorhapis Suberificienss</i>
2	302	Cassia	Smith	University of the Virgin Islands	Machine Learning Approach for the Prediction of Dissolved Oxygen Concentration
4	386	Hannah	Smith	University of Illinois-Champaign	Aqueous-Phase Hydrodeoxygenation of Sorbitol on Tungstated Zirconia Supported Metals
3	118	Qaleelah	Smith	Bennett College	Characterizing <i>E. coli</i> Motile Behavior in Various Viscous Environments

Undergraduate Student Poster Presentation Schedule*

Session #	Poster #	Primary Author First Name	Primary Author Last Name	Primary Author's Institution	Abstract Title
1	401	Michael	Snipes Jr.	Virginia State University	Finite Element Simulation and Experiment Validation of Tensile Test
4	119	Berliza	Soriano	Univeristy of Puerto Rico Mayaguez Campus	Screening and Detection of Antimicrobial Agents Production Bioprospects in Metagenomic Libraries from Aquatic Bodies in Puerto Rico
4	414	Diana	Soto	California State University, Bakersfield	Irrigation Planning Based on Evapotranspiration Forecast in Drought Conditions
2	402	Ciara	Spence	Elizabeth City State University	Integrating Reverse Engineering and 3D Printing for Manufacturing Processes
2	278	Tamara	Spikes	Spelman College	The Urban Sprawl of Atlanta: An ArcGIS Evaluation of Land Use
3	24	Briana	Spruill-Harrell	Norfolk State University	Mechanisms of Chemoresistance in Ovarian Cancer Cell Lines
3	241	Benjamin	Standfield	Virginia State University	Using OPENCV to Track Objects and Calculate Distance
3	181	Simone	Stanley	Howard University	Zeolite Y Encapsulation as Drug Delivery System
2	292	Jamal	Stevenson	Mississippi Valley State University	A Corresponding Study of Water Quality Evaluation of the Pasquotank Watershed in Northeastern North Carolina
2	319	Bianca	Stewart	Alabama State University	Polymeric Tissue Scaffold Design Using 3-D Printing
3	427	Usama	Sultan	California State University, Bakersfield	Testing and Calibration of a Low-Cost Custom Mechanical Property Testing System
2	242	Darren	Sumpter	Bowie State University	Creating a Collaborative Virtual Environment for Traffic Navigation in a Busy City

*Presentation schedule is listed by primary author's last name

Session #	Poster #	Primary Author First Name	Primary Author Last Name	Primary Author's Institution	Abstract Title
1	403	Jasmine	Tanthongsack	Tuskegee University	Processing of Jute Fiber Reinforced Nanophased PLA-PHBV Blend Based Plant Composite
2	182	Megan	Taylor	Tuskegee University	Experimental Methodology of C-amination at the C-4 position of Triacetic Acid Lactone
2	279	Gnimdou	Tchalim	Bronx Community College	Impact of Urbanization and Climate Change on Streamflow
2	243	Gwendolyn	Tennell	Louisiana State University Shreveport	Improving an Interface for Economic Development
3	290	Brittney	Terry	Lawsonstate Community College	Heavy/Toxic Metals in Meat Singed with Scrap Automobile Tires in Ghana
3	89	Kenneth	Terry, II	University of New Orleans	Effect of Sex and Strains on Neurotrophin Production and Nerve Regeneration in Mouse Wound Healing
1	342	Betlihem	Teshome	University of Illinois at Chicago	Thermal Transport Properties of Heterogeneous Two-Dimensional Materials
1	381	Alicia Nicole	Thomas	Talladega College	Properties of Biomaterial Composite Films from Agarose Hyrogels
3	131	Christian	Thomas	Dillard University	A Study of the Antigenicity of Skin Testing Antigens derived from Sporothrix Schenckii
4	90	Krislen	Tison	University of the Virgin Islands	Towards the Understanding of Extreme Crossover Interference in Model Species <i>C. elegans</i> , Sp. 29 and <i>C. briggsae</i>
1	161	Melissa	Toliver	Tougaloo College	A Novel Approach for Developing Specific Drugs for Treating Breast and Prostate Cancer
1	91	Jiah	Toms	Fisk University	Investigating <i>C. elegans</i> Dopamine Neuron-Enriched Genes Linked to Human Disorders

Session #	Poster #	Primary Author First Name	Primary Author Last Name	Primary Author's Institution	Abstract Title
2	299	Sieu	Tran	Virginia Tech	Patterns of Activation and Repression for a Single Transcription Factor with Multiple Binding Sites
2	355	Kaila	Trawitzki	New Jersey Institute of Technology	Analyzing Student Engagement and Enrollment Retention in After School STEM Programs
2	92	Ashley	Turner	Bethune-Cookman University	Human Placental Gene Expression: Septin Gene Family
4	132	Kamal	Tusa	University of Minnesota	Neuromodulation of Orexin Neurons and the Role of Microglia in Cognitive Function
1	163	Victoria	Ubanyionwu	Texas Southern University	Effect of Curcumin on Endothelin-1 Mediated c-Jun Expression in Hippocampal Neurons
1	205	Elizabeth	Umanah	University of Georgia	An Investigation of RIN4 Phosphorylation in Plant Immunity
2	198	Chibu	Umerah	Fayetteville State University	Coconut Shell Sourced Carbon Tailored Biofilm Form PLA and PBAT Blend
3	153	Chanell	Upshaw	Miami University	The Effect of Mutations on the Activity and Stability of Cellulase
3	327	Paola M.	Urbaez	Clark Atlanta University	Binding of Alanine and Valine with Graphene: A Computational Study
1	120	Alex	Valenzuela	California State University Bakersfield	Detection of <i>C. immitis</i> in Soil and Dust Samples from the Southern San Joaquin Valley, Kern County, CA
2	280	Usaama	Van	City College of New York	Applications of Remote Sensing and In-Situ Measurements for Studying Lateral Carbon Fluxes Between Tidal Marshes and Connected Estuarine Waters
3	428	Aleysha	Vargas	University of Puerto Rico-Mayaguez	Selective Dissolution of Tin from Al-Sn Alloys in Acidic Solution

Session #	Poster #	Primary Author First Name	Primary Author Last Name	Primary Author's Institution	Abstract Title
3	154	Zoe	Vaughn	University at Buffalo	The Creation of an Antibody Drug Conjugate, T-mab-VC-Dox
2	300	Jesus	Vega	Universidad del Sagrado Corazon	Assessing the Impact of Treatment Delays on the Prevalence of HIV Drug Resistant Cases: Modeling Case Study in Ecuador
1	331	Taiyee	Vue	University of Minnesota Twin Cities	Utilizing Computer Coaches in Introductory Physics Courses to Improve Problem-Solving Skills for Post-Secondary Students
2	371	Dressia	Waldo	Virginia State University	Focusing on Science, Technology, Engineering and Math Programs Among African American College Students
3	183	Jasmine	Walker	Virginia Union University	Antibacterial Properties of Silver Nanoparticle-Doped Metal-Organic Frameworks in Water
1	61	Michael	Wallace	Alabama State University	Inhibition of Human Respiratory Syncytial Virus in HEp-2 Cells Using T118- Gold Nanoparticles
3	155	Corey	Walters	Tougaloo College	Structural Determination of the MYC G-Quadruplex in Plasmid DNA
2	133	Kinnon	Ward	Tuskegee University	The Effects of Ischemic Stroke on Cardiac Inflammation in Normotensive Rats
2	62	Erika	Ware	Alabama State University	Functionalized Carbon Nanotubes Influence Salmonella Typhimurium and Staphylococcus Aureus Treated With Peptide at pH Variations
2	345	Kaprese	Warren	Philander Smith College	Dark Matter and Black Holes: An Interdisciplinary Analysis
4	9	Mahtab	Waseem	Howard University	Analyzing the Activity of Chemical Compounds Against Vibrio Cholerae Biofilms
1	208	Kristiana	Watson	Arkansas State University	Containment Reduction Ability of Iron-Oxides Towards 4-Nonyphenol

Session #	Poster #	Primary Author First Name	Primary Author Last Name	Primary Author's Institution	Abstract Title
4	74	Coty	Weathersby	University of Wisconsin-Madison	Effect of Substrate and Electron Acceptor Availability on Nitrite Oxidizing Bacteria
2	346	Lauren	Weiss	Amherst College	Laser Frequency Control for Ion Trapping
3	134	Maurice	Whalen, Jr.	Tougaloo College	The Function of the Natriuretic Peptide Receptor-C in Attenuating Agonist-Induced Acute Lung Injury
4	4	Antonio	White	North Carolina Central University	Sex Differences in Drug Sensitivity in the Enteric Nervous System of Mice
1	5	Brandy	White	California State University, Fresno	Physical Properties of Variable Heavy Chain Antibodies Explored in Vitro
3	246	Denzel	White	Central State University	A Simulation Study of Central Schemes for Solving One Dimensional Hyperbolic Problems
4	25	Natalie	White	Alabama State University	Isolation of Plasmid DNA Encoding the Human 2B4 (CD244) Gene Expressed on Natural Killer Cells
4	415	Stephanie	Wilcox	Texas A&M University	Analyzing Microalgal Response to Various Temperature Through Droplet Microfluidics
2	404	Jae'len	Williams	Virginia State University	Optimum Geometrical Design for Ackermann Steering Principle
1	309	Shannon	Williams	Alabama State University	Antibiotic Nanoparticle Conjugates are Potentially Useful Against Penicillin-resistant Streptococcus Pneumoniae
3	429	Tasha	Williams	University of South Florida	Polyvinylidene Fluoride Based Gel Electrolyte Membranes for Electrochemical Capacitor Applications
1	405	Treyvon	Williams	Virginia State University	Rapid Manufacturing of Casting Mold

Session #	Poster #	Primary Author First Name	Primary Author Last Name	Primary Author's Institution	Abstract Title
2	184	Angelah	Wilson	University of West Georgia	Effect of Substituents on the Colorimetric Sensing Property of Indoles
2	73	Kaylynn	Wilson	Bethune Cookman University	Knowledge Components Exhibited During Informal Learning of Biological Topics Using Cognitive Tutors
1	306	Monet	Wilson	Alabama State University	3-D Articular Cartilage Scaffolds Based on PVA/PLA Composites
1	206	Mercedes	Winfrey	University of Arkansas at Pine Bluff	Measuring CO2 Emissions as a Basis for Understanding Indoor Air Quality and Room Ventilation
3	63	Sarah	Wong	University of Southern California	Sex-Dependent and Aging Adaptive Homeostasis in Response to Oxidative Stress
3	185	Cedrick	Wright	Talladega College	Dendrimer-Encapsulated Multi-Metal Nanoparticles: Antimicrobial Properties of Zinc, Iron, and Cobalt
2	186	Moticha	Yellowman	New Mexico State University	Toxic Uranium Sorption Requires Robust Pellets - Fabrication Depends on Clay to Water Ratios
2	142	Zoe	Yeoh	Gettysburg College	LOF1 and Interacting Transcription Factors in /Arabidopsis/ Development
2	199	Maressah	Ynfante-Corral	California State University, San Bernardino	Hydrogen Placement on Potential Organic Ferroelectric NUBHOH
3	156	Crystal	Yu	University of Puerto Rico at Arecibo	Characterization of the Mode of Action of New Antimicrobial Agents
2	248	Cristan	Zdanski	North Carolina Central University	Correlation of Ground level Aerosol Optical Depth and Particulate Matter
2	406	Fana	Zewede	University of the District of Columbia	An Experimental Study on Flow and Heat Transfer Characteristics of Ethanol/Polyalpaolefin Nanoemulsion Flowing Through Circular Mini-Channels