

**2026 ERN Conference in STEM**  
**Undergraduate Poster Presentation Schedule**

**Session 1:** Fri. March 20<sup>th</sup> (10:00am – 12:00pm), **Session 2:** Fri. March 20<sup>th</sup> (4:00pm – 6:30pm)  
**Session 3:** Sat. March 21<sup>st</sup> (8:00am – 10:30am), **Session 4:** Sat., March 21<sup>st</sup>(11:00am – 12:30pm)

<b>Abstract ID (For Judges)</b>	<b>First Name</b>	<b>Last Name</b>	<b>Abstract Title</b>	<b>Presentation Session</b>	<b>Poster Location ID*</b>
26	Samira	Abdullah	Racial Disparities in Acral Lentiginous Melanoma: Investigating the Transcriptomic Landscape	Session 1	33
44	Maria Fernanda	Acevedo Kury	Decoding Alcohol Neuroadaptations: Tip60 Knockdown and RU486 Timing in Drosophila melanogaster	Session 1	55
61	Justin	Acheampong	Isolation and Characterization of Novel Arthrobacter globiformis Bacteriophage “Jollof”	Session 2	34
166	Toluwalase	Adetosoye	My Engineering Green Thumb	Session 1	107
62	Daniella	Agbenu	Profiling Mucin Heterogeneity Under Normal and Antiviral Conditions	Session 3	1
122	Daliana	Agosto	Synthesis of Novel Imines: A Laboratory Experiment Bridging Organic Chemistry and Electrochemistry	Session 3	55
114	Kofoworola	Ajadi	Studying the Effect of Polyvinyl Chloride (PVC) Microplastics on the Activity of Amoxicillin	Session 3	47
142	Ali	Alattar	Diplomacy Without Deceit: Agentic AI for Truthful Coordination	Session 3	77
246	Gotibeh	Alhady	Acoustic Band Gap Engineering in Phononic Crystals for Quantum-Inspired Computing Applications	Session 4	62
145	Sokhna	Amar	LUMIN: Language-based Understanding and Multimodal Interface for NASA PDS	Session 3	83
260	Anita	Amofah	Onboard Implementation of Machine Learning for Autonomous Vortex Detection on Mars	Session 4	84
45	Micah	Andrews	An analysis of HTT involvement in Huntington’s Disease	Session 1	57

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225	Yessica E.	Areche Serrano	Abortion History and Its Impact on Depression in Mothers with Infants Admitted to the NICU	Session 2	68
109	Marena	Arraiza	Extracting Algae Lipids from Sargassum Blooms Using ASE for Sustainable Purposes	Session 3	29
88	William	Avdeev	Understanding the Resurgence of Measles and Public Attitudes toward Vaccination	Session 2	62
2	gretchel	babilonia	Microbicidal activity of Phytocannabinoids Extracts from Non-Cannabis Plants from Puerto Rico	Session 4	4
219	Nicole	Balay	Robots, But Make It Runway: Autoethnography Examining Culturally Responsive Computing in CompuBOLD	Session 2	130
254	Christopher	Balthazar	Data Acquisition & Monitoring System	Session 4	72
175	Donovan	Banks	Investigating Radiative Forcing due to CO2 and Aerosols in an Urban Environment	Session 2	104
167	Nylah	Barber	Relationship Between Foraminiferal Assemblages and Cassiopea Across a Human Influence Gradient	Session 1	109
52	Hafsatou	Barry	Involvement of the GM3 Synthesis Pathway in M-MuLV Glyco-gag Facilitated Virus Replication	Session 2	26
224	Jaycob	Beasley	Sociological Factors Influencing Youth Political Engagement: Increasing Voter Participation	Session 2	66
261	Hayward	Bell	Evaluating Machine Learning Resilience on the Pico via Software-Implemented Fault Injection	Session 4	86

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189	Michelle	Berkmans	Effects of Temperature and Salinity on Grain Growth in Melt-Bearing Ice	Session 1	127
168	Sidney	Bester	Host Age and Temporal Dynamics of Viral Infection in Bumblebees	Session 1	111
15	Cai'yah	Bingham	Fabrication of Vanadium-Nickel Sputtered Thin Films for Non-Enzymatic Glucose Detection	Session 1	11
107	Francis	Boadu	Assessing PFAS Induced Protein Synthesis Disruption Using GFP Expressing E. coli as a Biosensor	Session 3	25
243	Alan	Bonilla Santos	Sub Pixel Localization For High-Throughput Contractile Force Measurements in Engineered Tissues	Session 4	56
53	Victoria	Bosompem	Effect of Obesity on Melanoma, Role of Ephrin-B2	Session 2	28
95	Nortrayvious	Brown	4-H Summer Garden Series: Teaching 4-H Youth Plant Science and Entomology	Session 4	28
133	Aubrey	Brown	NMR Investigation of Green Amino-Acid-Based Surfactants with Non-Polar Side Chains	Session 4	38
96	Imani	Byrd	Crop Performance in North Carolina Soil: Spring Onion, Lettuce, and Ginger Growth in Soil	Session 4	30
137	Raven Leigh	Cabasag	Optimizing Bulk Polymerization of Poly (Methyl Vinyl Ketone) to Improve Hydrogen Storage Potential	Session 4	46
196	Catherine	Campbell	Engineering Tunable Phononic Crystals for Applications in Surface Acoustic Wave Devices	Session 3	113

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46	Azaria	Carey	An Analysis of CAPN-10 Variants associated with polycystic ovarian syndrome	Session 1	59
158	Ziara	Cati	Mega-Scale Cell–Cell Similarity Network Analysis of Embryonic Mouse Brain Transcriptomes	Session 1	133
247	Ariana	Cerna	Characterization and Operation of SLAC Xenon Purity Monitor	Session 4	64
27	Ashiyana	Chander	Colorectal Cancer Therapeutics: Evaluating Efficacy of TR-107, Novel, and Standard Therapies	Session 1	35
217	Samanta	Chang Kuoman	Effectiveness of Liquid-Based Shields in Muon Flux	Session 1	149
209	Sheldon	Chee	Linear Synchrony to Emulate Disc Electrode with Middle Ring or Central Disc of a Concentric Ring One	Session 1	87
115	Vernon	Clay	Spheroid Culture Models Reveal TEAD-AR Signaling Networks in Human Mesenchymal Stem Cell Plasticity	Session 3	49
83	Serenity	Coleman	Identifying Novel Caenorhabditis elegans Strains in Southeast Georgia for Metabolic Assays	Session 2	52
179	Diego	Collazo Guzmán	The potential toxic effect of acetaminophen in tropical aquatic organisms	Session 2	112
169	Dekoria	Conway	Role of Mycorrhizal Fungi in Imparting Water Stress Management in Phaseolus vulgaris	Session 1	113
3	Amarys	Corchado	Toll-like receptor 3 and Signaling Molecules Expression in Chronic Inflammation of the Mammary Gland	Session 4	6

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63	Camila	Correa Nieves	Assessing fungal responses to zinc stress using infrared spectroscopy	Session 2	36
90	Demitrius	Craig	In Vitro Regeneration and Agrobacterium Mediated Transformation in Strawberry	Session 1	73
180	Rayven	Custis	Utilizing Innovation Platforms to Improve Feed Quality in Smallholder Dairy Farmers in Njoro, Kenya	Session 2	114
220	John	Davenport	Voices of Resilience: The Experiences of Black Women Teaching Engineering	Session 2	132
194	Sycoi	David	Towards Optimized Pyrite-Based Batteries:Effects of Processing Sequence on Film Quality	Session 3	109
221	Ryan	Davis	Lean on Me: Why Black Male STEM Leaders Are Essential to the Improvement of Urban Schools	Session 2	134
64	Mariangeliz	Delgado López	The Evolution of Oxygen-Dependent Gene Expression in Cutibacterium acne and Its Implication for Host	Session 2	38
262	Ahmahd	Denmark	Bio-inspired Extendable Robot Arm-Hand integration for ASL	Session 4	88
181	Kay	DeValia	Occupational Hot Spots of Harm for Agricultural Workers: A Spatial Analysis of Respiratory Health	Session 2	116
116	Joyce Liann	Diaz Zayas	Characterization and Evaluation of the Anti-Amyloid $\beta$ Aggregation Activity of Plant-Based Proteins	Session 3	51
28	Blessing	Dike	Selective Therapeutic Potential of Novel Azolium-Based Triazole Salts in Non-Small Cell Lung Cancer	Session 1	37

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226	Destiny	Dugas	Engagement in Assessment: The Impact of Race and Gender Matching	Session 2	70
197	Tavares	Durgan	Synthesis and Characterization of CoGdFeO <sub>4</sub> using Hydro-Thermal Methods	Session 3	115
263	Chukwuma	Duru	Physical and Mechanical Properties of Lunar/Mars Mare Regolith	Session 4	90
227	Eboni	Eades	Aging in Alabama: Healthcare and Long-Term Care Gaps in Older Adults Across Alabama Counties	Session 2	72
264	Isaiah	Edgerton	Low-Cost Simulation-Based Modeling of Semiconductor Devices	Session 4	92
265	Alexander	Edwards	A Portable, Affordable System for Environmental Data Collection and Real-Time Transmission	Session 4	94
228	Nayia	Elliott	How The Aging Population in Tennessee Can Offset Difficulties with Cognition with Lifestyle Factors	Session 2	74
248	Comfort	Emeaba	Power in Motion: Hybrid Pendulum-Based Vibration Energy Harvesting	Session 4	66
123	Mars	English	Mangrove Medicine: Rooting Out New Antifungal Metabolites	Session 3	57
170	Masaury	Eure	Effect of Mycorrhizal Fungi on Plant Health and Adaptability	Session 1	115
266	Naima	Fagon	Investigating Anomaly Formation in Laser Powder Bed Fusion Additive Manufacturing	Session 4	96
32	Angelina	Files	Machine Learning Assisted Evaluation of Hepatic Development in Simulated Microgravity	Session 1	43

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33	Deja	Fleming	Combined PFAS Exposure Induces Cytotoxicity and Mitochondrial Dysfunction in HepG2 Cells	Session 1	45
229	Anaya	Forte	Centering Women's Voices: Community Perspectives to Inform Longitudinal Health Research	Session 2	76
230	Johrdon	Foy	Influence of Socioeconomic Status and Health Inequities on Cancer and Mortality Among Older Adults	Session 2	78
198	Jaden	Frazier	Thermal and Thermomechanical Comparison of 3D-Printed CF-PEEK (10% CF) and PEEK	Session 3	117
238	Dayona	Gaither	Fabrication of Biocompatible Erythrocyte Micromotors	Session 2	94
138	Juan	Galarza	Extraction of Cinnamon Essential Oil and Its Application in Antimicrobial Biopolymer Films	Session 4	48
16	Qingjia	Gao	Influence of Culture Media on T-Cell Mechanics	Session 1	13
89	Isabella	Garcia	Evaluating the Usage of the FNPA Screening Tool for Predicting Childhood Obesity	Session 2	64
171	Kamyla	Garcia Roque	Environmental and Ecological Factors Affecting Seedling Survival: A Census Mystery	Session 1	117
267	Micheal	Gatson	An Exploration of Nanotechnology Principles for Developing Low-Cost Bioelectronics	Session 4	98
199	Anwar	Gatto	Low-Temperature Fabrication of Multilayer Chalcogenide Phase-Change Thin Films	Session 3	119
182	Cana	Gerald	Comparing Water Quality in Urban Watersheds at North Carolina's Land-Grant Universities	Session 2	118

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172	Eimy	Gómez	Ibuprofen Contamination Effects on Xiphocaris elongata: Mortality and Water Quality Responses	Session 1	119
4	Emily	Guajardo	Polyhydroxybenzoic Acid Derivatives and Their Effect on Lipid Accumulation in Microchloropsis salina	Session 4	8
200	Juan	Guerra	High-Quality V <sub>3</sub> O <sub>5</sub> Thin Films for Future Neuromorphic Electronics	Session 3	121
124	sophia	Gulisano	The Fungal Pharmacy: Antimicrobials from Endophytic Fungi.	Session 3	59
255	Ture	Gustafson	Integration of Phononic Crystals for Surface Acoustic Wave Devices	Session 4	74
108	DeZarae	Guthrie	Integrating Biochar with Organic Fertilizers for Climate-Smart Soil Management	Session 3	27
34	Taylor	Hall	Silver nanoparticles and vanillin can inhibit Collagenase activities of Serratia marcescens	Session 1	47
146	Darren	Hall	Comparing QCNN and CNN Network Traffic Forecasting	Session 3	85
134	Christian	Hampton	Decomposition of polyethylene terephthalate (PET) to conjugated molecules	Session 4	40
91	Azariah	Hardy	Enhanced Streptomycin Formulations for Combating Antibiotic-Resistant Foodborne Pathogens	Session 4	20
35	Nina	Harley	Differential Regulation of PPAR Genes in HepG2 Cells Exposed to PFAS Compounds	Session 1	49
249	Joshua	Harrell	Creating a Multi-Model AI system to Detect Infrastructure Defects using RGB+Thermal imagery	Session 4	68

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17	Carlandra	Harris	Carboxy Methyl Cellulose-Tannic Acid Composite Hydrogel Bio Ink For Skin Tissue Engineering	Session 1	15
97	Ceanna	Harris	How to Become Self-Sustainable for Food Production Using Hydroponics to Fight Future Population Grow	Session 4	32
250	Isaiah	Harris	Thermal Mapping of Furnace Insulation using Edge Computer and IR Sensors to Predict Maintenance	Session 4	70
43	Laila	Harris-Smith	Development of a Cas3 System for Plant Genome Editing	Session 1	53
192	Luis	Hernandez	Form Uniqueness on Weakly Spherically Symmetric Graphs	Session 1	145
118	Mateo	Hernandez-Ferro	Denoising X-Ray Diffraction Data Using a Haar-wavelet Transform and a Hard Thresholding Rule	Session 3	39
268	Daniel	Hickson	Automated Wafer Handling and Process Control using PLCs and Robotics	Session 4	100
119	Kennedy	Hilson	Copper Nickel Alloy Nanoparticle Synthesis for Carbon Dioxide Reduction	Session 3	41
18	Asiyon	Hudson	Graphene Oxide as a Potential Platform for Controlled Delivery and Sensitive Detection of Sildenafil	Session 1	17
19	Hannah	Huggans	Quantifying Discomfort in the Human Knee for Sitting and Standing While Utilizing an Exoskeleton	Session 1	19
84	Muhammed	Ibrahim	Investigating the Role of LGR6 in Inflammation and Post-Traumatic Osteoarthritis.	Session 2	54
65	Raian	Imad-Hamad	The Role of MDSC and Immunosuppressive Pathways in Chronic Stress-Related Ovarian Cancer Progression	Session 2	40

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160	Aishlin	Ingraham	Facilitating tide gauge data digitization using artificial intelligence	Session 1	137
139	Aisha	Irizarry Ramos	Extraction and Characterization of Lavender Essential Oil for Synthesis of Antimicrobial Biopolymers	Session 4	50
409	Caden	Islam	Cell-Based Delivery of Engineered Extracellular Vesicles for delivery of Therapeutic cargo in AKI	Session 1	11
66	Camari	Jackson	Examination of Human Proteins as Potential Novel Inhibitors of HIV-1 Reverse Transcriptase (RT)	Session 2	42
125	Darius	Jackson	Carotenoid Extraction using Hydrophobic Deep Eutectic Solvents (HDESs)	Session 3	61
239	Temya	Jackson	Development & Evaluation of PDMS Well Molds for Cell Stretch in 3D Fibrin Environments	Session 2	96
120	Myla	James	Synthesis and Characterization of new Rhodium-centered Organometallic Complexes	Session 3	43
240	Maris	James	Exploring the Career Trajectory of Women in Diversity, Equity, and Inclusion	Session 2	98
98	Jamary	Jeffery	Phytofabricated Nanoparticles for Integrated Modulation of Glycemic Control, Oxidative Stress, and A	Session 4	34
173	Andrea	Jimenez	Monitoring Invasive Species in Urban Forests: A Comparative Analysis of Protected Areas in PR	Session 1	121
218	Snehith	John	Experimental Realization of a Macroscale SSH Lattice for Demonstrating Topological Edge States	Session 1	151

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241	Kayla	Johnson	Predictive Modeling and Machine Learning to Optimize Cardiomyocyte Differentiation	Session 2	100
67	Knyla	Jones	Isolation and Characterization of Antimicrobial-Producing Bacteria from Diverse Ecosystems	Session 2	44
147	Kaiya	Jones	Network Intrusion Detection with Quantum Autoencoder	Session 3	87
161	Jordan	Jones	Benchmarking Innovation: Competitive Advancements in EDS Mandatory Inspection Points	Session 1	139
110	Ian	Kahn	Sub-Tidal Water Level Variability on the Florida Coast from NOAA Tide Gauges	Session 3	31
251	Yousif	Kandelchy	Characterization of Surface Acoustic Wave Devices for Advanced Radio Frequency Technologies.	Session 4	108
256	BRIGHT OSEI	KARIKARI	SEEKING PLASMONS IN LARGE PEROVSKITE CRYSTALS	Session 4	76
92	Sumayyah	Khan	Simulating Adaptation and Genetic Diversity in Lakes with Changing Water Levels	Session 4	22
252	Zohaib	Khan	COOLING THE CONCRETE JUNGLE: POSITIVE IMPACT OF GREEN ROOFS AND GREEN MATERIALS ON THE UHI	Session 4	110
164	Iliyah	Knox	Characterizing algal symbiont diversity in Acropora Pulchra from the reefs of Mo&#8217;orea	Session 1	103
99	Allison	Kokal	Characterizing factors that impact the spread and transmission of Cucurbit Yellow Vine Disease	Session 4	36
269	Kevin	Kraseman	Design and Fabrication of Chip-scale Surface Acoustic Wave Devices for Advanced RF Technologies	Session 4	102

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29	Rosa	Kwon	The Role of Sonic Hedgehog Signaling in Prostate Cancer Therapy Resistance	Session 1	39
5	Elise	Langer	Biogeochemical Cycling of Dissolved Zinc and Zinc Isotopes in the Arctic Ocean	Session 4	10
126	Jameal	Lee	Comparative Study of Lead Bromide and Lead Iodide Perovskite Solar Cells	Session 3	63
148	Devyn	Lewis	Closed-loop System for Following Danionella with a Light	Session 3	89
36	Leo	Li	Primary Cilia in Gli1-Lineage Cells Regulate Enthesis Development and Homeostasis	Session 1	51
20	Amaya	Long	Dopaminergic Agonists as Neuroprotective Agents in an In Vitro Model of Traumatic Brain Injury and S	Session 1	21
183	Kiran	Maharjan	Monitoring Heat in Queens Subway System	Session 2	120
127	Fabiola	Maisonet	Exploring Azo Dyes Derivatives from Estrogens with Biomedical Potential	Session 3	65
149	Mya	Manns	Simulating Ransomware Attacks in a Virtual Lab: Assessing Cybersecurity Readiness at HBCUs	Session 3	91
68	Camila	Marco	Effects of Lactiplantibacillus plantarum doses on locomotion in young and aged Drosophila	Session 2	46
47	Gabriela	Marrero-Hernandez	MARF manipulation in Drosophila: Role of Glial Mitochondria in Neuronal Function and Neuroplasticity	Session 1	61
184	Karl	Martinez	Detecting Arsenic in Sargassum: An Approach to Sustainable Coastal Management	Session 2	122

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100	Brooke	Matthews	Effect of Plant Date on Quality of Field-Grown Lisianthus (Eustoma grandiflorum) Corelli II Pink and	Session 1	75
150	Niarea	Matthews	Flood Mapping Using Synthetic Aperture Radar (SAR): Manual Intervention and Change Detection	Session 3	93
54	Alesha	Maxwell	Effect of Guava (Psidium guajava L.) Leaf Zinc-Oxide Nanoparticles on Mastitis-Causing Bacteria	Session 2	16
55	Joshua	McFarlane	Characterizing Gene Accessibility And Expression Changes In Monocytes	Session 2	18
69	Addie	McIver	Inhibition of S. aureus Collagenase Function Through Natural Compounds and Antibiotics	Session 1	71
231	Isaac	McQueen	Mapping Transit Inequity: Analyzing MTA Subway Delays with Open Data and Geospatial Tools	Session 2	80
201	Carlos	Medina	Growth of Ga/Ni-based oxides nanowires by Joule heating method	Session 3	123
185	Alanis	Melendez	Acute Toxicity and LD <sub>50</sub> Determination of Acetaminophen in the Freshwater Shrimp Xiphocaris elongata	Session 2	124
70	Gabriela	Mendez- Rios	Characterizing the Streptococcus spp. Isolates Causing Mastitis in Puerto Rico	Session 2	48
37	Elyam	Mendez- Hernandez	Investigating the Inflammatory Cytokine Profile of Milk from Cows with Subclinical Mastitis	Session 2	4
38	Kyra	Miller	Hunteria umbellata Seed Extract Mitigates Oxidative Stress in Intestinal Epithelial Cells	Session 2	6

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151	LaTasha	Mitchell	Langston University NASA RockOn Payload	Session 3	95
152	Caleb	Mitchell	Machine Learning Modeling to Study the Cancer Cell Growth Prediction	Session 3	97
202	Eric	Montgomery	Low Velocity Impact Analysis of 3D Printed Carbon Fiber Reinforced Polyether-Ether Ketone (CF-PEEK)	Session 3	125
56	MaCayla	Moody	Benzalkonium Chloride Reduced DNA Double-Strand Break and Apoptosis Induced by Etoposide	Session 2	20
71	William	Moore	Primer Optimization for qPCR Detection of Mold Gene Expression in Indoor Dust	Session 2	50
39	Mariely	Morales	Investigating the role of the endocannabinoid system in chronic inflammation of the mammary gland	Session 2	8
48	María I	Morales Quezada	Exploring Epigenetic Mechanisms of Alcohol Tolerance: Defining the Role of Tip60 Using CRISPR-Based	Session 1	63
101	ashley	moreno	Somatic Embrogenesis and Plant Regeneration in Alfalfa	Session 1	77
10	Harmony	Morris	Cellulose Nanofibril-Reinforced ADA-Gelatin hydrogels for Cartilage Tissue Engineering	Session 1	1
72	Vaughan	Mountain	Phenotypic and Genotypic Characterization of Antimicrobial Resistance in Pseudomonas	Session 3	3
153	Torreon	Mozley	Groundwater Level Prediction with Machine Learning	Session 3	99
186	Daniel	Muñoz	Antibiotics in Aquatic Systems: Ecotoxicological Impacts on Marine Life	Session 2	126

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85	Patricia	Naigaga	Improving solvent-solvent formed solar cells by use of concerted areas of large crystal perovskites	Session 2	56
257	HAY THI THET	NAING	Building and Testing a Cosmic Watch Detector for Muon Detection at Varying Angles	Session 4	78
154	Vu Ha Anh	Nguyen	Grounded Minds: Combining RAG and Theory of Mind for Strategic Dialogue in Welfare Diplomacy	Session 3	101
176	Crystal	Nowell	Urban-Scale Radiative Forcing from CO <sub>2</sub> and Black Carbon: Temporal Variability and Novel Estimation	Session 2	106
73	Vianney	Ojeda Perez	Blood–Brain Barrier Disruption in Experimental Cerebral Malaria: Exploring Vascular Integrity and Ne	Session 3	5
86	Oluwaseye	Onasanya	Glucose Stability in Whole Blood: Identifying the Optimal Vacutainer for Delayed Measurement	Session 2	58
258	NANCY	OPPONG	Common Vegetable Oils Used to Extend the Lifetime of Perovskite Solar Cells with Carbohydrate-Based.	Session 4	80
6	Nicole	Ortiz	Biochemical Alterations in ALS-Linked SOD1 Mutations Analyzed by FTIR Spectroscopy in <i>C. elegans</i>	Session 4	12
93	Octavio	Ortiz	Nutritional Dynamics in Common Mycorrhizal Networks Linking Native and Invasive Thistles	Session 4	24
7	Sandra	Owusu	4-Octyl Itaconate Reduces Atherosclerosis Through Macrophage CD36	Session 4	14
74	Melvin	Pagan	Functional Characterization of GABA-Associated Genes in <i>Lactiplantibacillus plantarum</i>	Session 3	7

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203	Michael	Pagan Gavillan	Python-FDTD Workflow for Nanowire Cavity Optimization	Session 3	127
155	Alexander	Palomino	Dat	Session 3	103
187	Natalia	Pastrana Ortiz	Standardizing Isolation Techniques for Freshwater Microalgae from Puerto Rican Rivers	Session 2	128
210	De'vonte	Payton	Investigating PFAS-Induced Effects on DJR-1 Expression in <i>Caenorhabditis elegans</i>	Session 1	89
211	Xandra	Pena	Neuroproteomic Analysis of the Anxiolytic Potential of <i>Styopodium zonale</i> in a <i>Drosophila</i> Model	Session 1	91
162	Robert	Pena III	Analyzing the Distribution of Space Debris in Earth Orbit	Session 1	141
11	Brianna	Perales	Optimization of Micropatterned PAA Hydrogel Substrates for Force Analysis of 2D Cardiac Microbundles	Session 1	3
87	Sofia	Pereira	Exploring Pain Perception in Dysautonomia Patients	Session 2	60
75	Luis	Perez	Antimicrobial Metabolomic Insights from the Skin Microbiome of <i>Eleutherodactylus</i> spp.	Session 3	9
232	Alanis S	Perez Arroyo	Enhancing Access to TBI Assessment for Rural Veterans via Telehealth and VVC	Session 2	82
156	Shawn	Perry	Quantum-Safe Cryptography: Addressing Algorithmic Gaps for the Post-Quantum Era	Session 3	105
222	Mollie	Petersen	Course Detective: Changes in Instructional Practices Observed in Syllabi Over Nine Semesters	Session 2	136

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233	Jordan	Phillips	County-Level Analysis of Mental Health in Older Adults Across Alabama	Session 2	84
21	Mackenzie	Phipps	Secondary Metabolites in Eupatorium serotinum on the growth of Androgen-Independent Prostate Cancer	Session 1	23
140	Esther	Pierrelouis	Development of Poly (Xylitol Sebacate)-based Nanoparticles for Curcumin Encapsulation and Delivery	Session 4	52
49	Laila	Prentice	The Analysis of TERT Variants Associated with Melanoma	Session 1	65
128	Camille	Pruitt	Strawberry Shield: Unveiling the Defenses of Antimicrobial Paper	Session 3	67
8	Nathan	Pryzby	Effect of CNF Family Toxin Loop Structures on Rho GTPase Substrate Specificity	Session 4	16
12	Kyra	Ramirez	Scaffolds that Mimic Proximal Tubule's Physical and Biological Characteristics	Session 1	5
94	Margarita	Ramirez	Uncovering the Effects of Soil Microbes/Pathogens on Root Regeneration of Arabidopsis Leaf Explants	Session 4	26
111	Kiera	Ramirez	Characterization of Pollen Using Microscopy Following Sequential Solvent Extraction	Session 3	33
102	Kevin	Rattin	Determining Hairy Root Transformation Efficiency in Three Tomato Varieties	Session 1	79
1	George	Reddon	DEVELOPING MICROBIAL AND FUNGAL STRAINS THAT SECRETE ENZYMES FOR EFFICIENT LIGNOCELLULOSE DEGRADATION	Session 4	2

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76	Kamora	Renard	Evaluation of the Antibacterial Properties of Protein Isolates from Hemp, Okra and Hibiscus Seeds	Session 3	11
244	Victoria	Reynolds	Exploring Artificial Intelligence Perceptions and Professional Identities in Construction Students	Session 4	58
143	Kamia	Ridley	Making Artificial Intelligence (AI) Trustworthy and Interpretable for the Medical Field	Session 3	79
57	Angelica	Rivera	Optimizing vaccine doses to reduce infectious hematopoietic necrosis virus (IHNV) shedding	Session 2	22
212	Vanelisse	Rivera	Age-Dependent Effects of Cholinergic Circuit Manipulation on Memory and Plasticity	Session 1	93
77	Amanda	Rivera Payán	Targeting Cofilin-1 with Erinacines: Modulation of Actin Dynamics Against HIV	Session 3	13
22	Aariah	Robinson	Utilizing Ultrafiltration Membranes For Protein Concentration	Session 1	25
242	Ana	Robles	Crosslinked Poly(Arylene Ether Sulfone Imine) Polymers with Tunable Properties for 3D Manufacturing.	Session 2	102
234	Senora	Rodgers	Breaking Silence: Sociocultural Influences on College Women's Reproductive Health Talks	Session 2	86
235	Jean	Rodríguez	Discovery and Development of Anxiolytic Agents from Tropical Marine Macroalgae	Session 2	88
129	Martin	Rodriguez Del Valle	Introducing Benzoylferrocene Synthesis and Transformations into Organic Laboratory Courses	Session 3	69

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40	Derek	Rodriguez Roman	Evidence of Dysregulation of Endocannabinoid Synthesizing and Degrading Enzymes during Mastitis	Session 2	10
130	Andrea Sofia	Rosario Roman	Synthesis of Novel Organometallic Imines for Potential Biomedical Applications	Session 3	71
112	Adriana Carolina	Ruiz Silva	Anti-Alzheimer Activity of Bioactive Compounds obtained from Puerto Rican Leaf Extracts	Session 3	35
78	Alanis	Saez	Novel Antimicrobial Potential of Puerto Rican Wetland Microbiota	Session 3	15
9	Dariel	Salvá	Anti-inflammatory and microbicidal phytocannabinoids extraction from plants from Puerto Rico	Session 4	18
204	Maritza	Sanchez	Recovery of Anode Material from Spent Lithium-Ion Batteries: A Novel Approach to Battery Recycling	Session 3	129
135	Sofia	Sanchez Lemus	Morphology-Tuned BiVO <sub>4</sub> /PoPD Nanohybrids for Enhanced Water Splitting	Session 4	42
163	Alberto	Santana	Energy-Efficient Machine Learning for IoT Devices	Session 1	143
103	Zion	Sayles	Insect Pest Management and Conservation Using Leguminous Cover Crops, Non-Preferred by Insect Pest	Session 1	81
223	Emily	Scherl	Creative Systems Thinking for a Colony Beyond Earth	Session 2	138
79	Eva Libertad	Serrano-Menéndez	Presence of Rabies Reservoirs and Vectors in Forests of the Northern Zone of Puerto Rico	Session 3	17
58	Jordan	Shaw	Stain Impaired Replication of Murine Leukemia Virus	Session 2	24

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236	Alana	Shelton	Exploring the Socioeconomic Factors Behind Low Milk Output Among Smallholder Dairy Farmers	Session 2	90
50	Savania	Simms	HYDIN Gene Mutations and Their Role in Hypertension Risk	Session 1	67
23	Autumn	Sinclair	Photothermal Therapy Augmented by Graphene Oxide–Zinc Sulfide Nanoparticles	Session 1	27
136	Kyla	Smith	Characterization of Upcycled Nanofiltration Membrane for removal of Organic Contaminants in Water	Session 4	44
213	Asia	Smith	Paraventricular Thalamic Neurons Activated During Early-Life Adversity Shape Adult Reward Behavior	Session 1	95
270	Toure	Smith	Scan-Based Digital Logic Test Data to Analyze Chip Defect Patterns in Chip Design Processes	Session 4	104
271	Tchindro	Sossa	Automating Vendor Data Flow for Space Mission Concept Design Using SharePoint and Power Apps	Session 4	106
141	zariyah	springer	Synthesis of Alkyne Phenolphthalin Poly (arylene ether sulfone) for Click Chemistry	Session 4	54
13	Ghasilia	Stewart	Silk-Fibroin Reinforced Gelatin Methacrylate Hydrogels for Renal Tissue Engineering	Session 1	7
117	Maya	Stone	Molecular Dynamics Study of Natural Product Binding to the V122I Transthyretin Protein Variant	Session 3	53
188	Samantha	Symonette	“Comparing Carbon Dynamics in Tidal Marshes and Oyster Aquaculture of Chesapeake Bay”	Session 1	125

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174	Andy-Maxence	Tadjuidje	Evaluation of pre-harvest interval for pyrethrin against corn earworm <i>Helicoverpa zea</i> in Hemp	Session 1	123
214	Sarah	Talbott	Bright Nights, Fragile Clocks: Light Pollution, the SCN, and Maternal–Fetal Health	Session 1	97
193	Kamora	Talton	Enhancing College Algebra Learning through Adaptive AI Strategies and Real-World Problem-Solving	Session 1	147
177	Ivy	Taylor	Examining the Presence of <i>Desulfovibrio desulfuricans</i> in Sediment from The Lumber River	Session 2	108
131	Kidus	Teshome	Revisiting the permanganate oxidation of formic acid/formate anion	Session 3	73
24	Aajay	Thiruppathi	The effect of novel heterocyclic compounds on the growth of triple negative breast cancer cells.	Session 1	29
104	Kerrington	Thompson	Leveraging Biochar-Manure Blends for Soil Health	Session 1	83
144	Latrell	Thompson	Hourly Energy Prediction with Quantum Machine Learning	Session 3	81
178	Mya	Tolbert	Streamflow Prediction Using Graph Neural Network	Session 2	110
205	Najya	Toodle	Plastic Waste Carbonization	Session 3	131
245	Aaron	Torres Mendoza	Cosmic Watch Balloon Flight Stabilization	Session 4	60
105	Marisha	Towner	Finding the Perfect Microbial Partner for Peanuts	Session 1	85
237	Elaina	Trapatsos	Postsecondary Achievement of the Deaf Community	Session 2	92
80	Dylan	Tristani-Rodriguez	Microbial Resistance in Saharan Dust: Identification of Antibiotic-Resistant Bacteria in Puerto Rico	Session 3	19

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51	Kyla	Tucker	Changes in the Expression of Circadian Genes in the SCN around Sleep Onset under the Fragmented Day	Session 1	69
272	Jareec	Turner	CNC-Based Cushion Manufacturing and Software Control for Pressure injury prevention	Session 4	114
273	Ariana	Tyson	Characterization of Nanoscale Devices	Session 4	116
81	Alondra	Urrutia Santiago	Isolation of Bacteria & Fungi from Sub-Boreal Bark Beetles in Canada for Natural Product Discovery	Session 3	21
41	Daniel	Uzoma	PFOA induces Inflammatory Responses and Oxidative Stress in Lung Epithelial Cells	Session 2	12
215	Deasia	Valdemar	Manipulating Somatostatin Neurons affect on the Development of Fragile X Syndrome	Session 1	99
206	Jasmyn	Vanterpool	Carbon Dots Synthesis Using Hydrophobic DES Solutions and Their Characterization	Session 3	133
408	Valeria	Vargas-Colón	Diesel Exhaust Particle Exposure May Promote Nephrotoxicity in Juvenile Mice	Session 2	140
190	Andrea	Vázquez Marrero	Assessing Carbon Stability in Mangroves Soil by Comparing Two Fractionation Methods	Session 1	129
30	Chanel	Vega	Investigating the Role of Lamin A/C in Chromatin Organization and Gene Regulation in Myeloid Cells	Session 1	41
195	Nereida	Velasco	Optical characterization of defects within thin film GaInP	Session 3	111
207	Noelianie	Velazquez Miranda	Uniform Zn <sub>2</sub> GeO <sub>4</sub> Nanomembranes for Photonics and UV Sensing	Session 3	135

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208	Juan	Velez Reyes	Cu Enables Planar In Plating for Ultra Efficient and Long-Lifespan Aqueous Trivalent Metal Batteries	Session 3	137
165	Maya	Vezner	Can AMF Equally Protect Wild and Domestic Tomato Plants from Flooding, Insects, and the Combination?	Session 1	105
113	Adriana	Vidal	Modified CQDs from Sargassum sp. for Enhanced Microplastic Detection in Environ. Samples	Session 3	37
42	Zarien	Vilsaint	Epigenetic mediated response to abiotic stress in maize	Session 2	14
59	Jimit	Vyas	Characterization of Murine Leukemia Viruses in MEB-4 and GM-95 Cells	Session 2	30
253	Maddison	Walker	MXene-Modified TiO <sub>2</sub> ETLs for Enhanced Perovskite Photodetectors	Session 4	112
60	Quintravious	Washington	Effects of Caffein on Replication of Murine Leukemia Virus	Session 2	32
274	Billy	White	Low-Cost Thin Film Deposition for Educational Applications	Session 4	118
157	Amara	Whitson	Texas Regionalization's Impact on Severe Maternal Morbidity and Racial Equity in Maternal Healthcare	Session 3	107
14	Christina	Williams	Decellularized Bamboo Scaffolds as Biomimetic Platforms for Bone Tissue Engineering	Session 1	9
25	Amaya	Williams	The Isolation, Characterization, and Therapeutic Evaluation of Exosomes	Session 1	31
216	Ramiyah	Williams	Can Prior Experience in Visual-Physical Disciplines Improve Spatial Reasoning?	Session 1	101
259	Oluwaseyifunmi	Williams	Spiking neural networks and Neuromorphic computing	Session 4	82

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275	Yavette	Wilson	Initializing Qubits using Rabi Oscillation	Session 4	120
31	Jazlyn	Wright	Modulation of T Cell Activation and APC Maturation Following Microplastic Internalization	Session 2	2
132	Jada	Wright	Natural Defenders: Isolation, Characterization and Antioxidant Assessment of Eucalyptus cinerea Oil	Session 3	75
82	Donte	Wyatt Jr.	Analyzing Microbial Metabolism of Algal Fucoïdan Using Culture Dependent and Genomics Approaches	Session 3	23
276	Arianna	Young	Design and Fabrication of Integrated Circuits	Session 4	122
159	Qian	Zhao	Identifying Engel&#8217;s Law Through State-Level Data Analysis in the U.S.	Session 1	135
121	Erik	Ziel	Remediation of hexavalent chromium in ground water: A computational (Gaussian 16) study of the termo	Session 3	45
191	Abel	Zuniga	Oxygen Isotopic Composition of Neogloboquadrina pachyderma from Last Glacial Maximum	Session 1	131

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