



PRAIRIE VIEW A&M UNIVERSITY

RESEARCH & INNOVATION WEEK

Undergraduate Research Day

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Breakout Room 1

Breakout Room 2

Breakout Room 3

Breakout Room 4

Tuesday, April 6, 2021

Program Chair: Grace Abolaji, Research and Development Officer, Undergraduate Research
gtabolaji@pvamu.edu
936.261.1565

START	END	EVENT										
8:30 am	8:55 am	<p>Introduction Karen Cotton, Research Communication & Development Officer</p> <p>Welcome Address Dr. Magesh Rajan, Vice President, Research and Innovation</p> <p>Introduction to Presentation Dr. Grace Abolaji, Research and Development Officer, Undergraduate Research</p>										
9:00 am	10:00 am	<p>Undergraduate Research Presentations</p> <table border="1"> <thead> <tr> <th><u>Student Name</u></th> <th><u>Project Title</u></th> </tr> </thead> <tbody> <tr> <td>Abidemi Awojuyigbe</td> <td><i>Artificial Intelligence in chemical Processes</i></td> </tr> <tr> <td>Aminata Diagne</td> <td><i>Paracetic Acid</i></td> </tr> <tr> <td>Ashlee Young</td> <td><i>African American women in higher education that hold administrative positions</i></td> </tr> <tr> <td>Camille Pierre</td> <td><i>Peeling Back the Layers: Anatomy of Stems, Strength of Fibers, and Novel Retting Approaches towards a Sustainable Hemp Fiber Industry in Texas</i></td> </tr> </tbody> </table>	<u>Student Name</u>	<u>Project Title</u>	Abidemi Awojuyigbe	<i>Artificial Intelligence in chemical Processes</i>	Aminata Diagne	<i>Paracetic Acid</i>	Ashlee Young	<i>African American women in higher education that hold administrative positions</i>	Camille Pierre	<i>Peeling Back the Layers: Anatomy of Stems, Strength of Fibers, and Novel Retting Approaches towards a Sustainable Hemp Fiber Industry in Texas</i>
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Daelyn McCain	<i>Exploring the MSH6 Gene Through the Lens of Bioinformatics</i>
Adaeze Eze	<i>In Vitro Cell Cytotoxicity Study of Pectin/Chitosan Tissue Engineering Scaffolds</i>
Amorae Times	<i>WWKD: What Would Krishna Do?</i>
Ayanna Montegut	<i>The Responses of Susceptible and Resistant <i>Amaranthus palmeri</i> (Palmer Amaranth) to Acetic Acid as an Organic Herbicide Treatment</i>
Caroline Grannum	<i>The CDK4 Gene and Cutaneous Malignant Melanoma 3</i>
Daija Bullock-Marable	<i>Plant Phytochemicals and Chronic Illness</i>
Aijalon Bettis	<i>Monitoring DNA Interactions with Small Ring Polycyclic Aromatic Hydrocarbons</i>
Ana Coronado	<i>Disaster Apprenticeship Program</i>
Brandon Bernal	<i>Cultural Identity in Music: A Modern Electronic Composition Celebrating Cultural Heritage</i>
Chandler Bienek	<i>Law enforcement misconduct: Describing “bad apples” and their “barrels” in three southern states</i>
Dallyn Reden	<i>Investigation of the Red Team’s behaviors/strategies in CCDC</i>
Araceli Martinez	<i>The Exploration of BRAF Gene</i>
Caleb Riggins	<i>Soot Volume Fraction Measurements from Droplet Combustion Experiments of Sooty Fuels</i>
Charles Carpenter	<i>Comparison of Growth Studies of Two Types of Microgreens in Greenhouse Setting Versus Light Emitting Diodes</i>
Daniela Ruiz	<i>Characterization of the PAEP Gene - A Link to Embryo Development</i>
Dominique Ellis	<i>Parole Board</i>

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	Jourdyn Allison	<i>Using Bioinformatics to Analyze the TPH2 Gene</i>
	Enrique Brown-Spence	<i>Rediscovering and Sustaining Heritage: Merging Graphic Design and Ethnographic Principles for Preservation of Historic African-American Settlements, Landmarks, and Cultural Heritage in the age of a Pandemic</i>
	Jalen Ball	<i>On Taxicab Geometry</i>
	Jose Rosales	<i>Developing an alternative method to formulate an efficient set of Students' Learning Outcomes for Architectural Design Studio</i>
	Kalyse Houston	<i>The COVID- 19 Pandemic and Rural Communities of Color: Examining the Impact of Race, Healthcare Accessibility, and Health Literacy in Waller County Texas</i>
	Kristina Littlejohn	<i>Exploring the Mysteries of the Novel CHEK 1 Gene</i>

11:00 am	12:00 pm	Undergraduate Research Presentations
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Katerra Stamp	<i>Deep Fake Detection Methods Research</i>
Kyla Peer	<i>USDA Assistance for Farmers Programs: Assessing the Impacts of COVID-19 on Historically Underserved Farmers and Ranchers, and their Families Health</i>
Melena Celestin	<i>Exploring the CTF1 Gene Using Bioinformatics</i>
Renae Lawrence	<i>Conducting Restaurants Audits for Healthy Food Options During COVID-19 Pandemic</i>
Utomwen Irabor	<i>A Study of Thermal Management in Commercial Face Masks</i>

		Kendall Lemons	<i>Comparison of Artificial Intelligence Approaches to Diagnose Breast Cancer</i>
		Laura Ekezie	<i>Exploring students' Experiences with Online Classes During COVID-19 Pandemic</i>
		Princess Pinamang	<i>The Evaluation of the PVAMU Soil Microbiome</i>
		Seyan-Bade Ayinde	<i>Synthesis of Schiff Bases using m-Diamminobenzene and Salicylaldehyde</i>
		Woyengi Tokoni	<i>Annotation of Gene XRCC2 Using Bioinformatics</i>
		Kristen Liverman	<i>The geometry of the Cu (II) N, N-bis(salicylaldehyde)-m-phenylendiimine complex</i>
		Lenaye Palmer	<i>Analyzing the Microbial Population on the Fresh Produce Collected from the Community Garden</i>
		Quanteria Randle	<i>CEBPA Gene: A Direct Link to Leukemia?</i>
		Sha'Bess treana Johnson	<i>Overview of Machine Learning Techniques and Their Application in the Biological Domain</i>
		Alexis Van Zandt	<i>SYN1: a 'Nervous' Gene?</i>
		Louisa Idahoze	<i>Water Uptake Properties Of Pectin/Chitosan Thin Films For Biomedical Application.</i>
		Raven Blaylock	<i>Racial Discrimination In Music</i>
		Sultan Khalid	<i>A review and comparison of technical and economic aspects of the current and alternative refrigeration systems</i>
12:00 pm	2:00 pm	Q&A with a Faculty Researcher Dr. Cheslan Simpson, Senior Scientist Pacific Northwest National Laboratory	

2:00 pm	3:30 pm	Keynote Presentation Dr. Medeva Ghee, Leadership Alliance Faculty & Students Interdisciplinary Collaborative Research Capacity Building
3:30 pm	4:00 pm	Closing Remarks Dr. Grace Abolaji, Research and Development Officer, Undergraduate Research