



GEORGIA HIGHLANDS COLLEGE SECOND ANNUAL

# *Academic Showcase*

MAY 9, 2023

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## Planning Committee

Josie Baudier  
Sarah Bradfield  
Julius Fleschner  
Michelle Lockett Lewis  
Jessica Osborne  
Clifton Puckett  
Rachel Rupprecht  
Rachel Wall

## Special Thanks

to all the volunteers who helped  
make this event a success.

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# Program

CARTERSVILLE CAMPUS  
GEORGIA HIGHLANDS COLLEGE  
MAY 9, 2023

## WELCOME

9:00-9:10, Ballroom, Academic Building B

## ORAL PRESENTATIONS

Second Floor, Academic Building C

Session 1: 9:20-9:40

Session 2: 9:45-10:05

Session 3: 10:10-10:30

## POSTERS & EXHIBITS

10:30-12:00, Gymnasium, Academic Building B

## HIGHLANDERS

11:15-12:00, Atrium, Academic Building B

## LUNCHEON

11:00-12:30, Atrium, Academic Building B

## KEYNOTE

12:30-12:45, Ballroom, Academic Building B

*Dr. Chukwuemeka "Dr. Ike" Nwokike, GHC Alumnus*

## AWARDS CEREMONY

12:45-1:00, Ballroom, Academic Building B

*Campus Maps on Back*



# Oral Presentations

2ND FLOOR, ACADEMIC BUILDING C

**SESSION 1 - 9:20-9:40**

## **Political Discourse and the Social Media Dilemma**

Camille McLean

Social media has a potentially dangerous impact on the promotion of news distortion. Its butterfly effect controls how users consume and promote content designed to create distrust and a political divide.

Many sources used in this paper were written before the 2020s, highlighting early predictions and warnings of what social media could do. If we are to get ahead of this issue, we must understand how social media works in the first place.

**C-240**



## **Geoscience Education Research Project: Student Benefits and Effective Design of a CURE**

Billy Morris

I am replacing a multiple-choice Final Exam in GEOL 1121k with a Course-Based Undergraduate Research Experience (CURE). Students have self-reported that the CURE I will be using (adapted from Kortz and Kraft 2016) increased their knowledge related to the course and improved their soft skills, confidence, science skills, and understanding of and appreciation for science and scientists, and that they carried ideas from the CURE beyond the classroom.

**C-250**

## **Macroinvertebrate Diversity Assessment in Drum Creek**

Ansleigh Peshel

We assessed the biological diversity and ecological functions of macroinvertebrates as part of a larger survey of habitat quality and food web integrity within Drum Creek in the Pettit Environmental Preserve. We gathered data on the diversity and abundance of macroinvertebrates in the stream and assessed their functional feeding groups and the overall water quality of the stream using the Pollution Tolerance Index for present invertebrate groups and the EPT Richness Index. Our profile of macroinvertebrate diversity and food web integrity can be used as a measure of the overall health of the stream and inform future management practices.

**C-260**



## **Healthy Eating**

Abby Schmidt

This presentation will address healthy eating and nutritional supplements viewed through the lens of the presenters own personal journey.

**C-220**

# Oral Presentations

2ND FLOOR, ACADEMIC BUILDING C

## SESSION 2 - 9:45-10:05

### **Down with Content Tyranny in Microbiology**

Lisa Branson, Kimberly Subacz, Mahirah Baker, Ejiroghene Ogaga, Banhi Nandi, & James Matheson

We will investigate how removing content tyranny from a foundational microbiology course can increase student success and retention, and allow instructors more time to incorporate active learning strategies. Student presentations and assigned readings via Perusall will be included in the active learning strategies. Five instructors will design their Foundations of Microbiology (BIOL2260) courses to examine the impact changing the number of chapters, the approach to covering the content, and assessments will have on student success despite variations in course timeframes.

### **Gay Frogs and their Link to Cancer in Humans**

Cheyenne Bailey

The herbicide Atrazine, which is commonly used in our agriculture, is an endocrine disruptor. It has been observed to cause male frogs to produce viable eggs and mate with each other. Evidence has also shown that Atrazine is linked to cancer in humans. I will explain the implications as well as steps we can take to help make a change, as this can directly impact our health.

### **Problem of the Week Assessment**

Jeffrey Linek

The U.S. Department of Education requires that distance education courses have regular substantive interaction between faculty and students. Over the years, various authors have suggested that regular assessment of students, along with sufficient, constructive feedback, is a valuable part of the learning process. While the Pearson MyLab homework system, used in Precalculus, MATH1113, provides a mechanism for students to learn through trial and guidance, it alone may not contribute to the success of all students. This presentation will outline an upcoming project to increase student success in online MATH1113 through the use of regular low stakes assessment activities to which guided feedback will be provided.

C-240

C-250

C-260





# Oral Presentations

2ND FLOOR, ACADEMIC BUILDING C

**SESSION 3 - 10:10-10:30**

## **How Communication Evolves Through Dating Into Marriage**

Savanna Lusk

I am researching the dynamics of human communication and how it changes and shifts through the stages of dating, into long term relationships, and further into marriage. I will be evaluating the Knapp Relational Development Model and sourcing information we discuss in class, researching published works of those who have made lifelong careers about human dynamics and communication, as well as interviewing psychological experts not only on basic human relationships but prolonged and various intimate relationships, about the varying degrees of communication, what they indicate about a relationship, and the relevance of good communication for a successful relationship or marriage."

**C-240**

## **Imperial Pet Resort**

Sarah Hart

Imperial pet resort is a Parisian style dog boarding and grooming place that is here to make the lives of being a pet owner easier and to make both you and your dog feel loved. Along with grooming and boarding, we offer services including doggy day care, pet portraits and dog training. We also will be selling products such as dog supplements, clothing, & accessories.

**C-250**

## **Learning Approaches: Information Processing Theory**

Spencer Hood

The topic of the Information Processing theory dictates how the theory was created, who created it, what it means, and how it is applied through the lens of educators such as myself. The Information Processing Theory is important in the fact that knowledge is learned primarily through visual aid, such as textbooks and written text. The learner reads, processes, and learns through the act of receiving information. Learning about the information processing theory provides those with a necessary introduction to how students learn in an educational environment.

**C-260**

# Exhibits

10:30-12:00, GYMNASIUM, ACADEMIC BUILDING B

## BUTTERFLY IN THE FIELD

Lindsey Reaid

## RUBY'S RAINBOW CROCHETED BLANKET

BreAnna White

## ACRYLIC ON CANVAS

Nancy Mistry

## THE BALANCED MOTHER

Carrie Kindt

## THE ROOT OF IT ALL

Madison Johnson

## DO STIMULANT DRUGS INCREASE FOCUS AND PRODUCTIVITY?

Areli Mojica

## WHAT CAN OPEN AI DO?

Kevin Sajous

## IS VR THE FUTURE OF TECHNOLOGY?

Luke Hogan

## THE FUTURE HENDRIX

Chanin Kenner

## TOWN KAFKA-ESQUE

Jolene Hayden, Jason Dudley,  
& Christian Shinall

## WHY DOES ACQUAINTANCE RAPE AND SEXUAL ASSAULT GO UNNOTICED?

Maggie Jones

## DOG DAYCARE & BOARDING BUDGET

Jade Waggoner

## NOT SPONSORED BY DISNEY

Victoria Lee, Tucker Durham,  
Sydney Corbett,  
& Lachlan Hadley

## ECCENTRIC OPERATION

McKenzie Holt, Haley Wells,  
Bradley Walraven,  
& Nick Browning

## HUMAN IMPACTS ON HAMMERHEAD SHARKS

Kayley Agan (Shepherd)  
Location: Ballroom





# Student Posters

10:30-12:00, GYMNASIUM, ACADEMIC BUILDING B

**Intimate Partner Violence**  
Guadalupe Franco

**Osteoporosis Tools Used in the Nursing Home**  
Madison Hold

**My Honors Journey at GHC**  
Jolene Hayden

**Business Major**  
Melanie Balderas & Tristan Mercer

**Marie Curie, Physicist and Chemist**  
Sacha Sigler

**Cognitive Learning is the Way to Go**  
McKinsey Spinks

**A Classroom Influenced by Social Constructivism**  
Caitlyn O'Guin

**How Children Learn Best**  
Melody Maughon

**The Benefits of Implementing Multiple Approaches to Learning in the Classroom**  
Zoe Craig

**How Children Learn**  
Nahla Webb

**Degree Completion: Buisness**  
Melanie Bandaras & Trinitn Mercer

**Antibacterial Effect of Allium Sativum (garlic) Extract Against Methicillin Resistant Staphylococci Aureus**  
Jimena Hernandez Martinez

**The Effects of Acetyl Salicylic Acid on Lettuce and Pea Seed Development and Germination**  
Kylie Ingram & Hugo Coronado

**Meiosis Mitosis and Genetic Variation**  
Noelia Escutia

**Tacos of Mexico!**  
Yvonne Kabuga

**Basketball Lessons in Spain**  
Chris Marshall

**Masterpieces of Mexican Cinema**  
Michelle Pineda Tonoco

**Knock-off Sodas: Cuba Edition**  
Kenneth Falb

**My Hotel in the Dominican Republic**  
Malysa Sanon

**Vamos a Machu Picchu**  
Jonathan Coss

**Chile Fuego**  
Alexander Thomann

**Beat Generation: Literary Movement**  
Maycie Gwin, Jefry Capinegro, Chase Gundlach, Dylan McLaughlin, & Sean Wilson



### **Native American Speeches**

Mallory Hodge, Emma Anderson,  
Kaylin Taylor & Victor Campos

### **Native American Stories of the Beginning of the World**

Cesar Hernandez,  
Michelle Pineda Tinoco,  
& Aryan Merchant

### **Native American Trickster Tales**

Rhegan Gage, Gracie McGhee,  
Sarah Bermudez, & Erin Mingioni

### **The Federalist Papers**

Lily McKinney, Kailey Williams,  
Joe Nichols, & Tylan Araujo

### **Women's Rights**

Giorgia Conduff, Mia Nicklas,  
Brianna Slaton, & Kaitlyn Davies

### **Poems from the Civil War**

Hannah Hilburn, Emily Martinez,  
Lizett Esmeralda Martinez, &  
Carson Phillip Sharp

### **Southern Women Authors**

Jade Najarro, Brittany Lewis-  
Pilgrim, Jesse Muto, & Josh Hall

### **Harlem Renaissance Literary Movement**

Maggie Shook, Kesia Lopez,  
Dawson Flemons, Cole Turner,  
& Giles Turner

### **Stream of Consciousness Literary Technique**

Christin Fleetwood, Vanessa Muñoz,  
Savannah Jordan, & Ray Young

### **Explorations of America before 1850**

Jailin Hernandez, Jacob Bryant,  
Dylan Sloss & Jimena Hernandez

### **Henry James: The Literary Monet**

Kylie Ledbetter

### **Cuscatlán Coffee**

J.T. Hinson

### **Hidden Chemicals in your Water**

Hannah Rutledge

### **Human Health and Wildlife Decline**

Allison Vessell

### **Pizzaco Database**

Aryan Merchant  
& Yvan Ngah

### **Smith's Dealership Database**

Bradley Walraven  
& Aliya Momin

### **Cracker Barrel's To Go System**

Makayla Huskins

### **Bruster's: New Intercom System**

KaLeah Daniel

### **Wiggle Worms Kids' Playplace: Industrial Fans**

Kimmori Hester

### **Subway: Machine Technology**

Lydia O'Hare

### **SuperCuts: New Salon Chairs**

Brandy Roberson

### **Chick-fil-A: Ice Cream Machine Improvements**

Hayden Poarch

### **Avenue Boutique: New Location**

Anna Lively

### **Lowering Server Turnovers at the Spires at Berry College**

August Routledge

### **Ingles: Bathroom Renovation**

Katelyn Sherrill

### **Cracker Barrel Sale Goals**

Kimberly Cruz

### **Firehouse Subs**

Zoey Rowe

### **Waffle House: Door Corps**

Charles Higdon

### **Marco's Pizza in Rockmart**

Tyler Elletson

### **CVS Pharmacy: Additional Security Cameras**

Jackson Bartmess

### **Upgrading the Shop**

Garrett Beatty

### **Careers that Help People**

Sarah Stammen, Kennedy Victor,  
Sara Klotzer, & Yzadora Joseph

### **Entrepreneurship**

Anthony Jacobo, Colby Cochran,  
Reece Robertson, & Khady Diaw

### **Criminal Justice**

Annika Dollevoet, Collin Coomer,  
Abieyuwa Eweka,  
& Georgia Jennings

### **Computer Science**

Alexander Godoy, Isaac Ray,  
Colton Andrew Lindsey,  
& Dawson Gulasa

### **Degree Completion**

Lauren Collins, Andrew Clark &  
Nicholas Clark

**Sales Goal: Cracker Barrel**

Kimberly Cruz

**Fixing Our Tablets**

Aliina Jordan Quiles

**Waves of Change: The Role of Piracy in Colonial America**

Crystal Lee

**Home Depot: Self-Checkout Problems**

Joaquin Holcomb

# Faculty & Staff Posters

10:30-12:00, GYMNASIUM, ACADEMIC BUILDING B

**Strengthen Communities, Students and Faculty with Mental Health First Aid**

Paula Stover

**Unplugging from Screens: The Benefits of Switching to Paper-Based Homework for Mathematics Courses**

Zac Johnston & Gretchen Kotz

**Increasing Nursing Student Engagement and Success Through Faculty Use of Affective Science Behaviors**

Marta Sanderson

**Improving the Student Experience in Online Chemistry: Regular Communication Tools**

Ryan O'Connor, Justin Polizzi, Darkus Newton & Maria Holt

**New and Improved Introductory Chemistry Laboratory Courses**

Kathy Smart & Charles Garrison

**Developing Instructor Led Strategies for Improving Substantive Interactions and Student Success in CHEM1151K Online**

Justin Polizzi, Maria Holt, Ryan O'Connor, & Darkus Newton

**Student Success: How Mini Lecture Videos can BOOST your GRADE**

Samantha Lewis

**Improving Scientific Communication Skills through Self-Reflection**

Merry Clark

**Course Redesign for Student Success in Chemistry Courses Offered at a Distance**

Darkus Newton, Ryan O'Connor, Justin Polizzi, & Maria Holt

**Increasing Student Success and Reducing Math Anxiety through Peer Teaching**

Ki Song & Tatyana Pavluscenco



12:30-12:45, BALLROOM, ACADEMIC BUILDING B

# Keynote: Dr. Ike

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Dr. Chukwuemeka “Dr. Ike” Nwokike’s journey showcases the importance of perseverance, hard work, and dedication. Born in Nigeria, when he moved to the United States in 1999 to pursue higher education he realized that he did not have the resources to focus solely on his studies. So, he worked as janitor at an inpatient psychiatric facility, a certified nurse aide, a medical assistant, and a phlebotomist to gain exposure and help him on his journey. He earned an associate degree in biology and nursing from Georgia Highlands, a bachelor’s degree in biology from Georgia State University, and in 2017, a Doctor of Medicine degree from Morehouse School of Medicine. After completing his postgraduate education at Grady Memorial Hospital in Atlanta, he became a nocturnist in north Georgia. Dr. Ike is a dedicated husband and father of three wonderful children.

- B = Parking
- C = Parking
- VP = Visitor Parking
- HP = Handicapped Parking  
(in front of Building A  
and behind Building C)
- LP = Ten Minute Limited Parking
- D = For Deliveries Only
- X = Fire Lanes  
(please don't go into or block)



# Academic Showcase Directions

