



Friday, February 23

5:30 – 7:00 pm: Opening Reception & Keynote | Cottrell Center Ballroom (172)

- Welcome, Dr. Chaudron Gille, Provost and Senior Vice President, University of North Georgia
- Keynote, Dr. Jamie Mize, Historian of Southeastern American Indians (UNC-Pembroke)
- Reception with music by the Licklog String Band

Saturday, February 24

8:00 am – 9:00 am: Podium Session 1

Georgia on my Mind | Cottrell Center 272 | Jami Nakan, Moderator

- Persistence Through Resistance: Dasher and Pinevale High School | **Isabelle Reimer**, Valdosta State University
- Catalyst: Memories of the Life of Helen Matthews Lewis, Grandmother of Appalachian Studies | **Emilyn Slemons**, University of North Georgia
- Compelling Cases: An Analysis of Georgia Workers' Compensation | **Lauren Katzfey**, Columbus State University

Language and Linguistics | Cottrell Center 274 | Audrey Nesbit, Moderator

- Linguistic Transfer and its Application in an American Sign Language Cohort | **Addeline Wright**, Valdosta State University
- Caregiver Awareness of the Early Signs of Dyslexia: A Narrative Review | **Kayla Dahn**, University of West Georgia
- On the Ba 把 Construction in Mandarin: An Analysis of Grammaticalization, Cognitive Associations and Pedagogical Implications | **Taylor Berry**, University of North Georgia

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Momentum in Medicine | Cottrell Center 276 | Brooke Tatum, Moderator

- How Smoking Affects The Body Through ROS | **James Selman and Karl Carl**, Georgia Highlands College
- Correlations Between Anthropometric Measures and Visceral Adipose Tissue in Reserve Officers' Training Corps Cadets | **Madeleine Mayer**, Valdosta State University
- Proliferating and Differentiation of Primary Airway Epithelial Cells in an Air Liquid Interface (ALI) Culture System | **Jaylen Spellman-Reliford**, University of Georgia

From Myth to Masterpiece | Cottrell Center 234 | Isabella Fordham Neuwirth, Moderator

- Mythological Women and What They Reveal about Their Societies | **Courtney Brandon**, Georgia College & State University
- An Ideal Outsider: the Legacy of Emperor Heraclius in Early Arabic Sources | **Rico Mora**, Columbus State University
- Spectators on the Venus Pudica | **Maryellen Hagberg**, Georgia College & State University

9:15 am – 10:15 am: Podium Session 2

Unleashing Creativity: Artistry Beyond the Classroom | Cottrell Center 272 | **Audrey Nesbit**, Moderator

- Unfamiliarity- A Study on Duality | **Neha Ravinutala**, Georgia Institute of Technology
- The Liminal South: Explorations of Black Time, Space, and Memory | **Kennedy Buckner**, Columbus State University
- Vitiligo Is Beautiful | **Jacqueline Palacios**, Georgia Highlands College
- Emily's Goodbye Monologue | **Brooklyn Zeagler**, Middle Georgia State University

Breaking the Code | Cottrell Center 274 | **Jami Nakan**, Moderator

- JAMIA Meta-Analysis Interface | **Anubha Mahajan**, Georgia Institute of Technology
- Accuracy Comparison of Caliper and ImageJ Measurement | **Christina Miller**, University of North Georgia
- Breaking String Obfuscation | **Supratim Kundu**, Georgia Institute of Technology

Black Women Breaking Barriers | Cottrell Center 276 | **Lillie Holtzclaw**, Moderator

- Black Women & The Feminist Movement | **Welam Chanase**, Georgia State University Perimeter

- Threaded Tenacity: Exploring Quilt Codes in the 19th Century Antebellum Period | **Tenesha Carter Johnson**, Spelman College
- Cancel the Strong Black Woman, Adopt the Soft Black Woman! | **Chelseaparis Henry**, Spelman College

Inside the Mind | Cottrell Center 234 | **Brooke Tatum, Moderator**

- The Mereng and Doomed “Love”: The Cycle of Dehumanization and Revenge in Love, Anger, Madness | **Teagen McSweeney**, Middle Georgia State University
- The Treatment of “Lunacy” at Central State Hospital: The Long Shadow of “Moral Therapy” and Eugenics on Public Perception of Mental Health Facilities | **Juliann Mackiewicz**, Georgia College & State University
- Post-Treatment High Reactivity and its Association to Cognitive Impairment in PTSD | **Madden Jones**, Augusta University

10:30 – 11:30 am: Poster Presentations | First and Second Floor Atriums

First Floor Atrium:

1. The Mental and Physical Effects of Societal Pressure Upon Adopting Extreme Dieting Behavior on Adults and Adolescents | **Lia Carter**, Augusta University
2. Histological Analysis of Murine Brain Tissue Exposed to E-Cigarette Vapor | **Jessica Cisneros Lerma**, University of North Georgia
3. Why Java is the best Programming Language for Beginners | **Tucker Gossman**, Augusta University
4. Isolation, Characterization, and Bioactivity of Secondary Metabolites in Eupatorium Serotinum | **Elise Snow**, Columbus State University
5. Recovery of data related to the destruction of ⁷Li and ⁷Be in astrophysical environments | **Wesley Sutton**, Georgia College and State University
6. The Real-World Effects of a Monastic Lifestyle | **Kolbe Dolin**, Augusta University
7. How Smartphones Positively and Negatively Affect Cognitive Abilities | **Samuel Estes**, University of North Georgia
8. Dancing and Singing into Modern Indian Lives | **Krishna Patel**, Augusta University
9. Genetic Suppressor Screen in Search of Novel Sec6 Interacting Proteins in *Saccharomyces Cerevisiae* | **Kun Yuan Chu**, Georgia College and State University
10. The English Variety of the Eastern United States Mountains: An Analysis of Appalachian English | **Annabelle Whitten**, Augusta University
11. An Introduction to The Mandelbrot Set: A Subset of the Set of All Complex Numbers | **Kyran Day**, Georgia Highlands College
12. The Importance of Functional Movement Screening in Healthcare | **Emma Reece**, University of North Georgia

13. Development of Transparent Transgenic Zebrafish Model to Study Anti-cancer Drug Induced Cardiotoxicity and Vasotoxicity | **Taitum Gossman**, Augusta University
14. Mental Health of People Affected by Type One Diabetes | **Emilyn Slemmons, Lindsey Head**, University of North Georgia
15. Design and Application of MXene-Based Cortisol Sweat Sensors | **Samadhi Attanayaka**, Georgia Institute of Technology
16. Identification of Potential Biomarkers in Pediatric Glioblastoma | **Evonne Pinto**, University of Georgia
17. Distribution and Transport of CO₂ in Hydrated Hyperbranched Poly(ethylenimine) Membranes: Molecular Dynamics Simulations | **Guilherme Ryuji Weber Nakamura**, Georgia Institute of Technology
18. Effectiveness of Mark-Recapture Method Using Fluorescent Powder on Millipedes (Julida: Parajulidae) | **Sydney Irons**, Georgia State College and University
19. Will the U.S. reverse current policy decisions and deny it's political support of Israel? | **Abigael Bell, Autumn Sniffen, Ella Reid**, University of North Georgia
20. Daylighting in Buildings: Investigating the Relationship Between Daylight Levels and Building Compactness in Various Contemporary Architectural Types. [Efficient Typology classification] | **Andrew Welch**, Kennesaw University
21. Predicting the Increase or Decrease of Pitchers requiring Tommy John Surgery in the 2024 MLB Season | **Ava Clavijo, Brian Clements**, University of North Georgia
22. Acquired Newborn Condition: Meconium Aspiration Syndrome, Persistent Pulmonary Hypertension, Necrotizing Enterocolitis | **Aliyah Durham**, Middle Georgia State University
23. Benefits of Researching the Structural Effects of PTSD | **Sibyll Dyson, Mallory Hotchkiss, Codie Griffin, Makenzie Levine**, University of North Georgia
24. "Pelodry": A Business Plan for a Theoretical Beauty Product | **Catherine Solis-Reyes**, Georgia Highlands University

Second Floor Atrium:

25. Comparative Analysis of Ankyrin-B, Andersen-Tawil, and Timothy Syndromes: Unveiling Genetic Mutations and Clinical Presentations in QT Prolongation-Associated Disorders | **Kaitlyn King**, University of North Georgia
26. "Making a Man Out of You": The Prevalence of Female Broadcasters in State Media a Comparison between Authoritarian vs Non-Authoritarian States | **Nicole Cortes**, University of Georgia
27. The Effect of Stress on SCN Proteins in Epileptic Individuals | **Amanda Paez-Garcia**, University of North Georgia
28. Socioeconomic Status and Financial Implications in High Grade Glioma Resection: A Retrospective Study | **Jay Jani**, Georgia Institute of Technology
29. A Theoretical Evaluation of Measles-Unvaccinated Children Thresholds for Targeted Interventions | **Aaron Dino**, University of Georgia

30. Taylor Swift: Empowering a Generation - Unraveling her Impact on Women in Music and Beyond | **Erin Halter, Marin McCarty, Natalie McKinney**, University of North Georgia
31. An Evaluation of Change Leadership and Conflict Management within a Leadership Development Program | **Dawson Jordan**, University of Georgia
32. The Effect of Mountain Biking on the TibioFemoral Articulation and Injury Prevention | **Isabella Fordham Neuwirth**, University of North Georgia
33. Bioengineering Heparan Sulfate to Create a Safe and Effective Heparin Alternative | **Haruki Takeuchi**, University of Georgia
34. Will TikTok Be Doomed in 2024? | **Destani Fountain, Carson Teems**, University of North Georgia
35. The impending potential of anti-aging: determining the impact of genetic variation on the cognitive function using GDF11 treatment | **Sanjana Pawar, Allison Callway**, University of Georgia
36. The Impacts on the Education Levels of Young Children Caused by COVID-19 School Shutdowns | **Madeline Lindell, Ashley Healey**, University of North Georgia
37. Does Interview Type Affect Children's Dietary Recall Accuracy: Differences by Meal Components | **Tiolulope Popoola**, University of Georgia
38. Seronegative Rheumatoid Arthritis: Novel Autoantibodies and their Implications Relative to Classification | **Hailey Pruitt**, University of North Georgia
39. Bioactive Excipients for Increasing the Efficacy In vitro of Tecovirimat | **Morgan Wynn**, Valdosta State University
40. The Relation Between Intracellular Glycosaminoglycan Accumulation and Psychological Distress in Patients with Hunter's Syndrome | **Hasten Veal**, University of North Georgia
41. The Multi-Purpose Center | **Venus Ryan**, Augusta University
42. Isolation and Characterization of Mycobacterium smegmatis Phage Landor | **Audrey Nesbit**, University of North Georgia
43. Investigating the Effect of Seasonal Variation on Cirri Appendages in Dwarf Seahorses | **Paige Bland**, Valdosta State University
44. The United Nations and the International Housing Crisis | **Claudia Marban**, University of North Georgia
45. Characterization of AD05 as a novel inhibitor of Hsp90 | **Alisha Hussain**, Augusta University
46. Homesteading and Self-Sufficiency: A Road to Happier and Healthier Lives | **Coralei Orth, Alex Del Rio-Magana, Madeline Owens**, University of North Georgia

11:30 – 12:30 pm: Lunch and GCHC Business | Cottrell Center Ballroom

- Welcome from Dr. Mike Shannon, UNG President
- GCHC Director's Meeting (Cottrell Innovation Lab – 153)
- Elections & Announcement of Awards (12:30)



12:45 pm – 1:45 pm: Podium Session 3

Great Thinkers Across the Ages | Cottrell Center 272 | Eli Powell, Moderator

- Thomas Aquinas's Proof of God | **Karina Gonzalez Solis**, Clayton State University
- Understanding the Scholarship of the Abbasids and Unraveling the Idea of the Golden Age of Islam | **Hayden Bennett-Coriell**, Columbus State University
- Shadows and Certainties: A Dual Exploration of Enlightenment in Plato and Descartes | **Soteria Thomas**, Clayton State University

Honors Student Leadership Panel | Cottrell Center 274

- **Moderator: Jarrett Huckaby**, Columbus State University
- **Panelists: Lauren Katzfey** (Columbus State University), **Elise Snow** (Columbus State University), **Brooke Tatum** (University of North Georgia), **Carly Walker** (Georgia College and State University), **Tommy Creekmore** (Georgia College and State University), **Taylor Wicklund** (Columbus State University).

Her Perspective: Exploring the Female Experience through Research | Cottrell Center 276 |

Isabella Fordham Neuwirth, Moderator

- Addressing Hypertension is Critical for Lowering the Black Maternal Mortality Rate | **Nichele Washington**, Spelman College
- Women and Gestational Diabetes | **Blakely Queen**, Georgia College & State University
- Compassion and Competition: Female Friendship in Elena Ferrante's My Brilliant Friend | **Sofia Legoff Flores**, Georgia College & State University

Responses to the Changing World | Cottrell Center 234 | Lydia Whitted, Moderator

- How has online shopping influenced the way people shop compared to traditional offline shopping, and what impact has online shopping had on the company? | **Yifei Li**, Georgia State University Perimeter College
- भारत में जलवायु परिवर्तन (Climate Change in India) | **Kassie Arps**, Georgia College & State University

- Catalysts, Consequences, and Personal Narratives: A Holistic Analysis of Nigerian Migration | **Kathryn Cooper**, Georgia College & State University

2:00 pm – 3:00 pm: Podium Session 4

History and Policy Across the World | Cottrell Center 272 | Emilyn Slemons, Moderator

- Unraveling the “Crisis of Faith” of the Victorian Era | **Bailey Melton**, Columbus State University
- Contemporary French-Vietnamese Relations | **Zachary Furbush**, University of North Georgia
- The Children of the Holocaust | **Sara Gonzalez**, University of North Georgia
- Challenging The Leaders: Modern Congressional Primary Challenge Rates And Effects On The Legislative Process | **Justin Cohen**, University of Georgia

New Directions in Scientific Research | Cottrell Center 274 | Audrey Nesbit, Moderator

- Insight on Ferrochelatase as a Novel Therapeutic Target | **Shreya Raj**, University of Georgia
- Isolation and Genomic Analysis of *Gordonia rubripertincta* Specific Bacteriophage Manor | **Camilla Augustus**, Spelman College
- Study on Simultaneous Emissions of neutrinos and γ -Rays by Blazars | **Carlos Márcio de Oliveira e Silva Filho**, Georgia Institute of Technology

LGBTQIA in Policy | Cottrell Center 276 | Moderator: Emma Wilson

- The Queer Experience under the Nazi Regime | **Chloe Melton**, Georgia College & State University
- Barriers and Bridges: The Achievement Gap of Students in K-12 Schools Who Are a Part of the LGBTQ+ Community | **Jarrett Huckaby**, Columbus State University
- Panic Tactics in Policy Making: How does the aversion and discrimination against Drag Queens and the Transsexual community in contemporary society compare to the 'Satanic Panic' phenomenon from the late '80s and '90s? | **Rafaela Berry**, Georgia State University Perimeter

Mathematics Outside the Classroom | Cottrell Center 234 | Moderator: Ashley Healey

- Applied Calculus in Medicine | **Maxwell Davis**, Georgia Highlands College
- Analyzing outerrise fault parameters for seismic and tsunami potential using semi-automated Python toolbox | **Quincey Nielson**, Georgia Institute of Technology
- Characteristic Function of Sets | **Felicity Acosta**, Columbus State University

