



November 1 - 2, 2019
University of North Georgia—
Gainesville Campus

Keynote:

DR. ALICIA CUNNINGHAM-BRYANT

Egyptologist, Museum Curator, & Kim T. Adamson Endowed Professor
in the Honors College at Westminster College

11:30-1:00

Hugh Mills Educational Complex

Schedule at a Glance

Friday, November 1, 2019

6:00—8:00 PM Opening Reception Student Center

Saturday, November 2, 2019

7:30—8:00 AM	Check-in opens	Nesbitt Building Atrium
8:00—9:00 AM	Panel Session 1	Nesbitt: Refer to Detailed Schedule
9:00—11:00 AM	Resume Drop In	Nesbitt 3202
9:10—10:10 AM	Panel Session 2	Nesbitt: Refer to Detailed Schedule
10:20—11:30 AM	Poster Session 1	Cleveland Ballroom, Nesbitt 3110
11:30 AM—1:00 PM	Keynote, Awards, and Lunch	Hugh Mills Physical Education Complex
1:00—2:00 PM	Panel Session 3	Nesbitt: Refer to Detailed Schedule
	GURC General Council Meeting	Nesbitt 3202
2:10—3:10 PM	Panel Session 4	Nesbitt: Refer to Detailed Schedule
3:20—4:30 PM	Poster Session 2	Cleveland Ballroom, Nesbitt 3110



@GURConference



@GURConference



@GURConference

2019 Georgia Undergraduate Research Collective Officers:

President, Anastasia Lin, University of North Georgia
Immediate Past-President, Doreen Sams, Georgia College & State University
President-Elect, Kate Theobald, University of West Georgia
Secretary, Kymberly Harris, Georgia Southern University

2019 GURC Local Planning Committee:

Chris Andrews, Ginny Feher, Allison Galloup, Austina Jordan, Neal Lin,
Amanda Losito, Jennifer Mook, Miriam Moore, Merrill Morris, Liz Moss,
Diogo Pinheiro, Heather Rose, Jim Shimkus, Redahegn Sileshi, Troy Smith,
Kristine Stillwell & Kristin Yager.

Panel Session 1: 8:00-9:00 AM

Concepts in Machine Learning | NESBITT 2201 | Moderator: Gabriela Reyes

Machine Learning For Designing Stretchable Carbon Nanostructures

Helena Hepler, James Clarkston, Faculty Mentor: Dr. Jungkyu Park, KENNESAW STATE UNIVERSITY

Machine Learning Integration into Police Surveillance Footage for Crime Detection

Yash Vagal, Faculty Mentor: Dr. Luis Cueva Parra, UNIVERSITY OF NORTH GEORGIA

Deep Learning Image Classification for Disaster Relief

James Gaither & Rami Haddad, Faculty Mentor: Dr. Rami Haddad, GEORGIA SOUTHERN UNIVERSITY

Math & Mechanics | NESBITT 2203 | Moderator: Javier Reynoso

Senior Design 1 Product Proposal

Chase Newberry & John Redwine, Faculty Mentor: Dr. Muhammad Salman, KENNESAW STATE UNIVERSITY

Automated Portable Bandsaw

Josh Redmond, PT Ketchem, Jonathan Lybrand, Aaron McClellan, Faculty Mentor: Dr. Muhammad Salman, KENNESAW STATE UNIVERSITY

The minimal generating set of the presentation ideal of Backelin semigroup ring

Arun Suresh, Faculty Mentor: Dr. Florian Enescu, GEORGIA STATE UNIVERSITY

Teenage Wasteland: Adolescence, Academics, and Mental Health | NESBITT 2204 | Moderator: Thomas Hayes

Parenting levels and Adolescent self-esteem

Brittany Davis, Faculty Mentor: Dr. Diane Byrd, FORT VALLEY STATE UNIVERSITY

Academic Performance and Bullying

Esther Akinola, Faculty Mentor: Dr. Diane Byrd, FORT VALLEY STATE UNIVERSITY

Next Generation Software | NESBITT 2211 | Moderator: Ruth Moreno

On Software Development for Generating the Profile of the Cut for Tube Notching

Austin Marak, Kurt Jacobson, & Eric Nzuki, Faculty Mentor: Dr. Simin Nasser, KENNESAW STATE UNIVERSITY

Optimizing Generative Adversarial Network Architecture for Low-Resolution Image Enhancement

Maria Isabel Gonzalez Bocanegra & Justin Hall, Faculty Mentor: Dr. Rami J. Haddad, GEORGIA SOUTHERN UNIVERSITY

Carbon Nanostructures Through the Use of Three-Dimensional Laser-Lithography Printing

Alex Resnick & Biya Haile, Faculty Mentor: Dr. Jungkyu Park, Dr. Tien Yee, Dr. Andrew Hummel, and Dr. Eduardo B. Farfan, KENNESAW STATE UNIVERSITY

It's A Small World, After All: Cells and Bacteria | NESBITT 3201 | Moderator: Megan Grant

Role of CD28 Signaling in Mice on Homeostatic Reconstitution on T Cells following Lymphodepletion

Nitish Sood, Mehul Mehra, & Avav Mittal, Faculty Mentor: Dr. Christopher Bates, AUGUSTA UNIVERSITY

Development of FRET Biosensors to Detect Kinase Activity in Living Cell

Jenny Okálová, Faculty Mentor: Dr. Neil Grimsey, UNIVERSITY OF GEORGIA

Identification and characterization of three novel strains of bacteria that can be used for bioremediation of cyclic alkane, cyclic aromatic hydrocarbons and polyhydroxyalkanoates

Taylor Box, Faculty Mentor: Dr. Mautusi Mitra, UNIVERSITY OF WEST GEORGIA

Panel Session 1: 8:00-9:00 AM, continued

Ideology and Identity | NESBITT 3212 | Moderator: Hannah Cole

Writing, Rewriting, and Rewiring: Ideologies and Palimpsests in Markus Zusak's The Book Thief
Hannah Bertzfield, Faculty Mentor: Dr. Lee Anna Maynard , AUGUSTA UNIVERSITY

Evolution of Native Identity in Future Home of the Living God
Cadi Martin, Faculty Mentor: Dr. Miriam Brown-Spiers, KENNESAW STATE UNIVERSITY

Communicative Methods and the Impact of Learning English in Refugee Communities
Leah Dudley, Faculty Mentor: Dr. Dr. William Kretzschmar , UNIVERSITY OF GEORGIA

Negative Reactions: Inflammation, Acidity, and Desalination | NESBITT 3213 | Moderator: Robby McGuire

A Multi-Approach Investigation to Evaluate Compounds that Mitigate Neuroinflammation
Gabriella Hernandez-Tyler, Faculty Mentor: Dr. Cindy Achat-Mendes, GEORGIA GWINNETT COLLEGE

Survivability of Probiotics in Highly Acidic Environments
Bianca Goldman & Maria Diaz, Faculty Mentor: Dr. April A. Kay , DALTON STATE COLLEGE

Atomistic Simulation of Desalination
Ian Durr & Matheus Prates, Faculty Mentor: Dr. Jungkyu Park, KENNESAW STATE UNIVERSITY

Panel Session 2: 9:10-10:10 AM

Feminism, Realism, and Globalism and Voyerism in Theater and Film | NESBITT 2201 | Moderator: Gabriela Reyes

The Feminist Impact on Realism and Theater Today
Leah Nixon, Faculty Mentor: Dr. George J. Pate, UNIVERSITY OF SOUTH CAROLINA BEAUFORT

Power, Agency, and the Magical Feminine: Representations of Morgana Le Fay in Medieval Literature
Makhalath Fahiyim, Faculty Mentor: Dr. Craig Callender, GEORGIA COLLEGE AND STATE UNIVERSITY

Salem Witch Trials: A Psychological Manifestation Stemming from Gender/Societal Inequality?
Holly Johnson, Faculty Mentor: Dr. Glen Kyle, UNIVERSITY OF NORTH GEORGIA

Emotions and Well-Being | NESBITT 2203 | Moderator: Javier Reynoso

The Role of Gender on Holistic Grief Effects Experienced by College Students
Christiana Olaleye, Faculty Mentor: Dr. Mary Alice Varga, UNIVERSITY OF WEST GEORGIA

Comorbidities of Endometriosis with Anxiety and Depressive Disorders in Women
Elena Mayfield, Faculty Mentor: Dr. Jim Dillon, UNIVERSITY OF WEST GEORGIA

Boosting Happiness Using Positive Psychology
Meghan Minter, Faculty Mentor: Dr. Jessica Traylor, GORDON STATE COLLEGE

Engineering Movement | NESBITT 2204 | Moderator: Thomas Hayes

Design of a Monolithic Compliant Swimming Robot
Joshua Hooper & Andy Houghton, Faculty Mentor: Dr. Ayse Tekes, KENNESAW STATE UNIVERSITY

Muscle Behavior and Properties During Pushups in Human Arm Flexor Muscles
Trevor Asay & Eddy Pineda, Faculty Mentor: Dr. Muhammad Salman, KENNESAW STATE UNIVERSITY

Designing New Composite Foot Supports for Bunions
Sammy Reed, Faculty Mentor: Dr. Simin Nasser, KENNESAW STATE UNIVERSITY

Panel Session 2: 9:10-10:10 AM, continued

Media Effects on Global Cultures | NESBITT 2211 | Moderator: Ruth Moreno

African American Portrayal in Pop Culture & Media

Delicia James & Tamirah Mckenzie, Dr. Diane Byrd, FORT VALLEY STATE UNIVERSITY

The Hidden Impact of Colorism on African-American Society

Waminja Marekia-Cleaveland, Faculty Mentor: Prof. Courtney Ferriter, UNIVERSITY OF NORTH GEORGIA

"Still Walking," Still Here: Hirokazu Kore-eda and Japanese Filmmaking for a Global Audience

Dylan J. Reber, Faculty Mentor: Dr. Karl Erben, UNIVERSITY OF WEST GEORGIA

Women and Art | NESBITT 3201 | Moderator: Jamsine Bouges

Fashion and Society - A look into the Power of Clothing and the Body

Edwin Hernandez, Faculty Mentor: Dr. Stacy Keltner, KENNESAW STATE UNIVERSITY

Woven From Nothing: Analysis of Fiber Sculpture of Mother Teaching Daughter to Weave and the Role of Weaving in Chancay Culture

Tori Teague, Faculty Mentor: Dr. Laura Wingfield, KENNESAW STATE UNIVERSITY

Resilience: An Artistic Study on the Strength of Women

Kayla George, Faculty Mentor: Dr. Don Robson, KENNESAW STATE UNIVERSITY

Standing on the Soil When the Tide is High | NESBITT 3212 | Moderator: Hannah Cole

Atlanta's Flood Risk: A Model Based on Growth and Climate Change

Kaitlen Martin, Faculty Mentor: Dr. Amber Ignatius, UNIVERSITY OF NORTH GEORGIA

Soilmates: Identifying Plant and Soil Interactions

Chloe Cromer, Faculty Mentor: Dr. Tim Ohlert, UNIVERSITY OF NORTH GEORGIA

God, Rock, Rock Goddesses, and the Goddesses of R&B | NESBITT 3213 | Moderator: Robby McGuire

And Then There Was New Jill Swing

Deirdre Ferguson, Faculty Mentor: Dr. Diogo Pinheiro, UNIVERSITY OF NORTH GEORGIA

Little Girls and the Players They Break: Classic Rock and Gender

Kelley Pointer, Faculty Mentor: Dr. Cenate Pruitt, UNIVERSITY OF NORTH GEORGIA

The Logic of Being: An Evaluation of Arguments for God's Existence

Joshua D. Vaughn, Faculty Mentor: Dr. George Wrisley, UNIVERSITY OF NORTH GEORGIA

9:00 — 11:00 AM: Resume Drop In

Nesbitt 3202

Dr. Edward Lai, Associate Director of UNG Career Services

POSTER SESSION 1

CLEVELAND BALLROOM - MARTHA T. NESBITT 3110 - 10:20—11:30 AM

1. *Alu-Derived Orthologous Chromosome Classification for the Primate Order*
Mehul Mehra, Nitish Sood, & Anav Mitaal, Faculty Mentor: Dr. Christopher Bates,
AUGUSTA UNIVERSITY
2. *ATAD3A as a novel mitochondrial oncogene in head and neck squamous cell carcinoma*
Caleb Jensen, Faculty Mentor: Dr. Yong Teng, AUGUSTA UNIVERSITY
3. *Inhibition of the Mitochondrial Calcium Uniporter Reduces Oxidative Phosphorylation in SGK1-Knockout VSMC Upon Diet Induced Obesity*
Bao Tran & Wei Zhong, Faculty Mentor: Dr. Sharon Francis,
GEORGIA GWINNETT COLLEGE & MOREHOUSE SCHOOL OF MEDICINE
4. *Transcription of RelA-SpoT protein genes during Rickettsia rickettsii infection*
Charles Barton, Faculty Mentor: Dr. Marina Eremeeva, GEORGIA SOUTHERN UNIVERSITY
5. *Monitoring storm resilience of Acropora palmata in Salt Pond Bay, St. John, USVI*
Gillian Gilbert-Wason, Faculty Mentor: Dr. Rebekah Chapman, GEORGIA STATE UNIVERSITY
6. *Implications of Visual Social Access on the Welfare and Behavior of Shelter Dogs*
Christina M. Walthers, Maddie J. Pattillo, Jessie A. Catchpole, Lauren E. Faulkner, & Lauren N. Mitchell,
Faculty Mentor: Dr. Allison L. Martin, KENNESAW STATE UNIVERSITY
7. *Cluster characterization and veto analysis of the FrequencyHough all-sky continuous gravitational wave search*
Cain Gantt, Faculty Mentor: Dr. Pia Astone, GEORGIA COLLEGE AND STATE UNIVERSITY
8. *The Relationship Between Optimism and Perceived Health in Generation-Z An Explanatory Investigation*
Natalie D. Woodward, Faculty Mentor: Dr. Daniel Czech, GEORGIA SOUTHERN UNIVERSITY
9. *The Comparison of the efficiency of a static PV system vs a solar tracker system*
Evan Mullvain, Katrina Vaughn, Annabeth Helmly, Stephanie Christie Connor McCue,
Faculty Mentor: Dr. Rocio Alba-Flores, GEORGIA SOUTHERN UNIVERSITY
10. *Indirect Dopaminergic Fiber Modulation of Purkinje Cells through Bergmann Glial Cells in Rett Syndrome Mice*
Nirvignesh Vador, Faculty Mentors: Dr. Wei Li & Dr. Lucas Pozzo-Miller,
UNIVERSITY OF ALABAMA, BIRMINGHAM
11. *Sequence Analysis of Alu Repeated Elements for Primate Phylogenetic Tree Construction*
Nitish Sood, Mehul Mehra, & Anav Mittal, Faculty Mentor: Dr. Christopher Bates,
AUGUSTA UNIVERSITY
12. *Analysis of Microplastics on St. Simons Island, Georgia, USA*
Abigail Virginia Hodges, Faculty Mentor: Dr. Samuel Mutiti, GEORGIA COLLEGE AND STATE UNIVERSITY
13. *A Comparison of Two Automated Bat-Call Classifying Software Programs*
Sarah Roberson, Faculty Mentor: Dr. Michael Bender, UNIVERSITY OF NORTH GEORGIA
14. *Boosting Happiness Using Positive Psychology*
Meghan Minter, Faculty Mentor: Dr. Jessica Traylor, GORDON STATE COLLEGE
15. *Assessing the presence of Wolbachia in the mosquito populations of Northeast Georgia, USA*
Madison Embrick, Emma Rogers, & Mason Carlisle.
Faculty Mentors: Dr. Evan Lampert & Dr. Davison T. Sangweme,
UNIVERSITY OF NORTH GEORGIA

POSTER SESSION 1, continued

CLEVELAND BALLROOM - MARTHA T. NESBITT 3110 - 10:20—11:30 AM

16. *Spatial variation in male whitetail deer morphology across Georgia*

Charles Bish, Taylor Malasek, Julia McManus, Faculty Mentors: Dr. David Patterson and Dr. Jessica Patterson
UNIVERSITY OF NORTH GEORGIA

17. *Glia Characterization in BLOC-1 deficient mice*

Jhodi Webster, Faculty Mentor: Dr. Jennifer Larimore, AGNES SCOTT COLLEGE

18. *Novel Genes Discovered in Normosmic Hypogonadotropic Hypogonadism (NHH)*

Hannah N. Smith, Faculty Mentor: Dr. Lynn Chorich & Dr. Lawrence Layman, AUGUSTA UNIVERSITY

19. *Enhancing the therapeutic efficacy of FTI tipifarnib in HRAS-mutant head and neck squamous cell carcinoma*

Da'Jhnae Gambrell-Sanders, Faculty Mentors: Dr. Adrienne Cox & Dr. Sehrish Javaid,
CLARK ATLANTA UNIVERSITY

20. *A Role for Circadian Rhythms in Chlamydial Pathogenesis*

Vincentiu S. Olteanu, Faculty Mentor: Dr. Yusuf Omosun, GEORGIA GWINNETT COLLEGE

21. *Assessing the Abundance of Microplastics on Sapelo Island*

Julia Parrott, Faculty Mentor: Dr. Sam Mutiti, GEORGIA COLLEGE AND STATE UNIVERSITY

22. *Benefits of Remnant Prairies Patches to Prairie Plant Restoration: The Effects of Land-Use History, Patch Size, and Proximity to Plant Success*

Adriana Caldwell, Faculty Mentor: Dr. Benjamin Sikes & Dr. Jim Bever, KENNESAW STATE UNIVERSITY

23. *Synergistic Activity of Antifungals and Essential Oils against Candida auris*

Kayla Graham, Faculty Mentors: Dr. Christopher Cornelison & Dr. Ryan Parker,
KENNESAW STATE UNIVERSITY

24. *Quantification of ESBLs & Coliforms in a Creek in Hall County, Georgia, USA*

Makenzie Llewellyn & Tyler A. Henderson, Faculty Mentors: Dr. Margi Flood & Dr. Swapna Bhat,
UNIVERSITY OF NORTH GEORGIA

25. *Comparing Plant Diversity on Animal Associations*

Sean Eagan, Faculty Mentors: Dr. Evan Lampert & Dr. Tom Diggs, UNIVERSITY OF NORTH GEORGIA

26. *A Comparison of Benthic Invertebrates in the Etowah River 1958 & 2018*

Rachel Pesaresi, Rachel Tempia, Gabriel Pierce, & Jeremy Miller, Faculty Mentors: Dr. Margi Flood &
Dr. William Tetjen, UNIVERSITY OF NORTH GEORGIA

27. *Schadenfreude: The Impact of Another's Misfortune on the Mood of College Students*

Erin Chalmers, Faculty Mentor: Dr. Brandt A. Smith, COLUMBES STATE UNIVERSITY

28. *Testing the Effectiveness of Mnemonic Strategies in Learning and Retaining New Information*

Kevin O'Donnell, Faculty Mentor: Dr. Jo Qian, UNIVERSITY OF NORTH GEORGIA

29. *Comparison of Laboratory Measures for Estimation of Body Fat Percentage Against Criterion Multi-Compartment Models*

Samantha Estep, Faculty Mentor: Dr. Ronald Snarr, GEORGIA SOUTHERN UNIVERSITY

30. *Mental Health among College Students: How Confident Are You?*

Dylan Burke, Paige Simmons, & Chloe Mui, Faculty Mentor: Dr. Helen W. Bland,
GEORGIA SOUTHERN UNIVERSITY

POSTER SESSION 1, continued

CLEVELAND BALLROOM - MARTHA T. NESBITT 3110 - 10:20—11:30 AM

31. *The Relationship Between Adiponectin and Dietary Iron in Non-Diabetic Young Women*
Ayaa Saeed Woday & Calah Coleman, Faculty Mentor: Dr. Katherine H. Ingram,
KENNESAW STATE UNIVERSITY
32. *Geospatial Analysis of Distance-Decay of Georgia State Lunatic, Idiot, and Epileptic Asylum Admission Rates*
Chris Pugel, Faculty Mentors: Dr. Clayton Teem & Dr. Phillip Guetry, UNIVERSITY OF NORTH GEORGIA
33. *Impact of External Pressures on Academic Performance: Mental Health Resiliency*
Mary-Gloria Iwunwa & Samanni Ejiogu, Faculty Mentor: Dr. Helen W. Bland,
GEORGIA SOUTHERN UNIVERSITY
34. *Growing 2D Transition Metal Dichalcogenides*
Jarek Viera, Faculty Mentor: Dr. Saien Xie, UNIVERSITY OF NORTH GEORGIA
35. *Molecular detection of Mycoplasma gallisepticum in wild birds from North Georgia*
Magan Free, Faculty Mentor: Dr. Linda B. Purvis, UNIVERSITY OF NORTH GEORGIA
36. *The Effect of Chondroitin Sulfate Glycosaminoglycan Substrates on the Immunosuppressive Capacity of Mesenchymal Stem Cells*
Bianca Patel, Faculty Mentor: Dr. Dr. Lohitash Karumbaiah, UNIVERSITY OF GEORGIA
37. *The Parental Involvement and K-12 Experiences of RISE students*
Madison Rodriguez & Josue Zavala, Faculty Mentor: Dr. Lauren Johnson,
UNIVERSITY OF NORTH GEORGIA
38. *The Past is a Foreign Country They View Things Differently There: The Perception of “The Invisible Empire of The Ku Klux Klan” as a Benevolent Secret Society from 1915 to 1965*
Dillon Typhair, Faculty Mentor: Dr. McClelland-Nugent, AUGUSTA UNIVERSITY
39. *Lateral Force Transfer in Post-Tensioned Slab to Shear Wall*
Chandler Cooper, Faculty Mentor: Dr. Mohammad Jonaidi, KENNESAW STATE UNIVERSITY
40. *Numerical evidence towards establishing a new relation satisfied by the coefficients of the Hilbert quasi-polynomial of a polynomial ring with general grading*
Jovany Louis, Faculty Mentor: Dr. Florian Enescu, GEORGIA STATE UNIVERSITY
41. *Sex Differences in the Association between Prenatal Second-hand Smoke Exposure and Infant Development*
Jocelyn Stanfield, Anne Dunlop, Dana Barr, & Elizabeth Corwin, Faculty Mentor: Dr. Patricia Brennan,
EMORY UNIVERSITY
42. *The Role of Family Support prior to Incarceration*
Courtney Black, Faculty Mentor: Dr. Dawn Robinson, UNIVERSITY OF SOUTH CAROLINA BEAUFORT
43. *Estimating carminic acid content in cochineals: a spectroscopy experiment based in the chemistry of art*
Ann B. Cormier, Emily Robison, & Tristan C. Parker, Faculty Mentor: Dr. Florian Enescu,
GEORGIA STATE UNIVERSITY
44. *Introducing Biocatalysis in an Undergraduate Teaching Laboratory Using a Cyclopropanation Reaction*
Sarah Youngblood, Faculty Mentor: Dr. Gopeekrishnan Sreenilayam, VALDOSTA STATE UNIVERSITY
45. *The Relationship between Media and Public Opinion Regarding Cannabis as an Opioid Substitute*
Jordan Hendricks, Faculty Mentor: Dr. Maleah Holland, AUGUSTA UNIVERSITY

POSTER SESSION 1, continued

CLEVELAND BALLROOM - MARTHA T. NESBITT 3110 - 10:20—11:30 AM

46. America's Response to President Trump's Tweets

Amanda Friend, Faculty Mentor: Dr. Soo Moon, UNIVERSITY OF WEST GEORGIA

47. *Attractiveness of Individuals Based on Personality and Financial Status*

Lailah Muscat, Erin Buehring, Rosalind Austin, & Maggie Graham, Faculty Mentor: Dr. Julie Delose,
YOUNG HARRIS COLLEGE

48. *The Relationship Between Optimism and BMI in Generation Z- An Exploratory Investigation*

Allison Tucker, Faculty Mentors: Dr. Daniel Czech, GEORGIA SOUTHERN UNIVERSITY

49. *Optimization Redesign of Cargo Ship Hopper*

Carson Wiles, Rafael Escamilla, Max James Ryan, & Juan Bautista,

Faculty Mentor: Dr. Muhammad Salman, KENNESAW STATE UNIVERSITY

50. *Parkinson's Disease and Task Switching: Effects of Varying the Frequency of Deep Brain Stimulation in the Subthalamic Nucleus*

Ta-Tyonna Buck & Rachel Cole, Faculty Mentor: Dr. Nandakumar Narayanan,
GEORGIA SOUTHERN UNIVERSITY

51. *Lexical Diversity Within Infant-Directed Speech and Its Association with Volubility and Language Outcomes in Children with Autism Spectrum Disorder*

Daylin Deyton, Amanda Melville, & Sydney Carroll, Faculty Mentor: Dr. Lama Farran,
UNIVERSITY OF WEST GEORGIA

11:30 AM—12:30 PM: Keynote & Luncheon
Hugh Mills Physical Education Complex



Dr. Alicia Cunningham-Bryant

WESTMINSTER COLLEGE

An award-winning teacher, Dr. Cunningham-Bryant holds the Kim T. Adamson Endowed Professorship in the Honors College and directs the campus-wide Office of Fellowship Advising.

Dr. Cunningham-Bryant has extensive experience as an archivist and curator at museums in Philadelphia and New Haven, Connecticut; where she curated exhibits on Afghan war rugs, African American comic book heroes, and Egyptomania. She has also done archeological field work in Egypt, Jordan, and Mallorca. Her research interests are wide ranging and include public history, museum curation, digital humanities, Africa, Egyptology, Old World archaeology, ancient religions, The Hellenistic World, and art history, among other topics.

Dr. Cunningham-Bryant earned a BA at University of California, San Diego (double majoring in history and archeology) and her PhD in near eastern languages and civilizations at Yale University, where she wrote a dissertation entitled *Engraved in Stone: The Role of Offering Tables in Meroitic Funerary Religion*. She was a U.S. State Department Education and Cultural Affairs fellow working at the Cairo Museum and Nubia Museum and has worked at museums around the world gathering together collections that were divided around the globe.



Panel Session 3: 1:00 PM-2:00 PM

Supporting Vulnerable Populations | NESBITT 2201 | Moderator: Jullie Chhim

LGBTQ+ Inclusion in the UNHCR Definition of Refugee Status

Catherine Maloney, Faculty Mentor: Dr. Amanda Reinke, GEORGIA COLLEGE AND STATE UNIVERSITY

Public Perceptions of Human Trafficking and Immigrant Victims

Hannah Dickens, Faculty Mentor: Dr. Jody Clay-Warner, UNIVERSITY OF GEORGIA

Domestic Violence Regression Research

Ashlynn Echols, Faculty Mentor: Dr. Diogo Pinheiro, UNIVERSITY OF NORTH GEORGIA

Feminist Approaches to Literature | NESBITT 2203 | Moderator: Angel Yang

Bodies of Land and Bodies of Women: A Feminist Research Perspective

Amanda Smith, Faculty Mentor: Dr. Mollie Barnes, UNIVERSITY OF SOUTH CAROLINA BEAUFORT

"Mine is a Love That Will Never Tire": The Socio-cultural Impact of Women's Romantic Relationships in 1850 to 1900s America

Tinaye Gibbons, Faculty Mentor: Dr. Stephanie Chalifoux, UNIVERSITY OF WEST GEORGIA

The Fight for Flight: Avian Imagery in Kate Chopin's The Awakening and a Selection of Poems by Emily Dickinson

Sarah Farmer, Faculty Mentor: Dr. Nancy Manley, VALDOSTA STATE UNIVERSITY

The Demise of Democracy? Political Developments in Brazil, Spain and, the U.S. | NESBITT 2204 | Moderator: Chloe Kwiatkowski

Scorched Earth, Democratic Erosion in Bolsonaro's Brazil

Nayanne Medeiros, Faculty Mentor: Dr. J. Salvador Peralta, UNIVERSITY OF WEST GEORGIA

Twilight of Democratic Consolidation

Lana Goitia & John Blessing, Faculty Mentor: Dr. Dwight Wilson, UNIVERSITY OF NORTH GEORGIA

"Make Spain Great Again" - The Rise of Far-Right Populism in España

Lana Goitia, UNIVERSITY OF NORTH GEORGIA

Nanostructures | NESBITT 2211 | Moderator: Kyle Brandys

3 Omega Thermal Conductivity Measurement Setup for 3D Nanostructure

Jihad Kudsy, Faculty Mentor: Dr. Jungkyu Park, KENNESAW STATE UNIVERSITY

Reusable Nano-structured Carbon Seawater Filter

Matheus Prates & Ian Durr, Faculty Mentor: Dr. Jungkyu Park, KENNESAW STATE UNIVERSITY

Thermal Transport in Molten Salt Reactor Fuels

Bryce Atchley, Faculty Mentor: Dr. Jungkyu Park, KENNESAW STATE UNIVERSITY

Panel Session 3: 1:00 PM-2:00 PM

Diagnosis, Treatment, and Resuscitation | NESBITT 3201 | Moderator: Melanie Majors

Enhancing CPR Training: Development and Assessment of an Affordable, Open-Source Real-Time Feedback Manikin

Anish Sangari & Nitish Sood, Faculty Mentor: Dr. Joseph Andrew Hauger, AUGUSTA UNIVERSITY

Pneumothorax Radiograph Diagnosis Utilizing Deep Convolutional Neural Network

Ziqi Wang, Faculty Mentor: Dr. Rami Haddad, GEORGIA SOUTHERN UNIVERSITY

Impact of MMP-9 in Closed Eye on Dry Eye Pathogenesis

Alice Kim, Faculty Mentor: Dr. Kelly Nichols, THE UNIVERSITY OF ALABAMA AT BIRMINGHAM

Existence and Perception: Architecture, Business, and Logic | NESBITT 3212 | Moderator: Holly Johnson

Investigations of the Cohesion of Nanoscale Bioactive with Titanium: A Molecular Dynamics approach using Density Functional Theory and the Kohn-Sham Framework.

Jerry Magana, Faculty Mentor: Dr. Alla Balueva, UNIVERSITY OF NORTH GEORGIA

SimPhysics

Taylor Woods, Maidel Fletes, Mary Harrel, & Paul Halford, Faculty Mentors: Dr. Rania Hodhod & Dr. Zdeslav Hrepic, COLUMBUS STATE UNIVERSITY

Professionalization Panel | NESBITT 3213

Navigating Graduate School & Grad School Funding

Dr. Diogo Pinheiro, Dr. Kathryn Quinto, & Dr. Loren Bass, UNIVERSITY OF NORTH GEORGIA

Panel Session 4: 2:10 PM-3:10 PM

Mapping Energy and Efficiency | NESBITT 2201 | Moderator: Jullie Chhim

Blade Optimization for Ground Level Low Speed Wind Turbines

Ryan Foster, Faculty Mentor: Dr. Adeel Khalid, KENNESAW STATE UNIVERSITY

Thermal Properties of a LiF-ThF₄ Molten Salt Fuel

Jackson Hill, Faculty Mentor: Dr. Jungkyu Park, KENNESAW STATE UNIVERSITY

Development of 3D Thermal Models to Analyze Building Power Loss

Mark Leggiero, Faculty Mentor: Dr. JB Sharma, UNIVERSITY OF NORTH GEORGIA

New Waves in Math and Engineering | NESBITT 2203 | Moderator: Angel Yang

Design and Kinematic Analysis of a Semi-Compliant Swashplate Mechanism

Niko Giannakakos, Faculty Mentors: Dr. Ayse Tekes & Dr. Adeel Khalid, KENNESAW STATE UNIVERSITY

The Frequency Response Modeling of Linear Systems

Wynn Kwiatkowski, Faculty Mentor: Dr. Think Kieu, UNIVERSITY OF NORTH GEORGIA

Fundamental design of submarine communication buoy with oceanic condition considerations

Alex Resnick, Katherine Mitchell, & Hannah M. Maier, Faculty Mentor: Dr. Muhammad Salman, KENNESAW STATE UNIVERSITY

Panel Session 4: 2:10 PM-3:10 PM , continued

Child's Play: Social and Anti-Social Behavior | NESBITT 2204 | Moderator: Melanie Majors

Family SES and Parental Perceptions of Children's Aggressive Behaviors

Amelia Dubose, Maddie Drives, & Anthony Pruner, Faculty Mentor: Dr. Tsu-Ming Chiang,
GEORGIA COLLEGE & STATE UNIVERSITY

The Relationship between Children's Gendered Toys and Display of Prosocial Behaviors

Kaylee Finlay, Leah Kaminer, & Jessica Mann, Faculty Mentor: Dr. Tsu-Ming Chiang,
GEORGIA COLLEGE & STATE UNIVERSITY

Parental Disciplinary Styles in Relation to Children's Misbehaviors

Shelby Breitmann, Ansley Michelle Hicks, & Nayomi Martinez-Ubay, Faculty Mentor: Dr. Tsu-Ming Chiang,
GEORGIA COLLEGE & STATE UNIVERSITY

Public Perceptions Past and Present | NESBITT 2211 | Moderator: Hannah Cole

Schrodinger's Artist

Davis Callaway, Faculty Mentor: Dr. David Janssen, GORDON STATE COLLEGE

Hitchcock Meets Freud: Voyeurism in Postwar America

Chloe Kwiatkowski, Faculty Mentor: Dr. Yelizaveta Moss, UNIVERSITY OF NORTH GEORGIA

Neither is a Fish Out of Water | NESBITT 3201 | Moderator: Jasmine Bouges

Bisexual Student's Experiences With Biphobia

Lindsey Moon, Faculty Mentor: Dr. Eryn Viscarra, GEORGIA COLLEGE & STATE UNIVERSITY

Women on Top: Sex Workers for Women and Couples

Amy Boone, Faculty Mentor: Dr. Diogo Pinheiro, UNIVERSITY OF NORTH GEORGIA

Preliminary Analysis of Habitat Use and Home Range Size in a Long-Lived Ectotherm Vertebrate

Kayla Bonadie & Amber Rittgers, Faculty Mentors: Dr. Natalie Hyslop & Dr. Jennifer Mook,
UNIVERSITY OF NORTH GEORGIA

Legitimizing the Supernatural in Victoria Britain | NESBITT 3212 | Moderator: Holly Johnson

Utopianism and Rationalism observed in the Global Occult during the Long 19th Century

Luke Howard, Faculty Mentor: Dr. Phillip Guerty, UNIVERSITY OF NORTH GEORGIA

Law and the Supernatural: A Transition of Modernity in Britain, 1650-1850

John Blessing, Faculty Mentor: Dr. Phillip Guerty, UNIVERSITY OF NORTH GEORGIA

Material Culture in Victorian Occult

Samantha Cragg, Faculty Mentor: Dr. Phillip Guerty, UNIVERSITY OF NORTH GEORGIA

Professionalization Panel | NESBITT 3213

Navigating Graduate School & Grad School Funding

Dr. Diogo Pinheiro, Dr. Kathryn Quinto, & Dr. Loren Bass, UNIVERSITY OF NORTH GEORGIA

POSTER SESSION 2

CLEVELAND BALLROOM - MARTHA T. NESBITT 3110 - 3:20 pm– 4:30 pm

1. *Siderophores: The Effects of YbtA and FyuA in Antibiotic Resistant Enterobacteriaceae*
Susan Ha & Sawda Islam, Faculty Mentors: Swapna Bhat, Clarke Miller & Nou Moua,
UNIVERSITY OF NORTH GEORGIA
2. *Comparison of Ion Transport Expression in Lake Sturgeon Exposed to Differing Water Chemistries*
Caitlin Forkin, Faculty Mentor: Dr. Janet Genz, UNIVERSITY OF WEST GEORGIA
3. *Generation of SULT4A1 Gene Mutations in SH-SY5Y Cells*
Elisabeth Bradberry, Faculty Mentor: Frank Crittenden, UNIVERSITY OF NORTH GEORGIA
4. *Endosomal Proteins in Neurodevelopmental Disorders*
Ruvimbo Dzvurumi & Jhodi Webster, Faculty Mentor: Dr. Jennifer Larimore, AGNES SCOTT COLLEGE
5. *Identifying cellular mechano-biological responses to PEG-based hydrogels*
Ian Smith, Karen Martin & Hannah Theriault, Faculty Mentor: Andres Garcia,
GEORGIA INSTITUTE OF TECHNOLOGY
6. *The Effect of Hearing Aids and Cochlear Implants on Children's Development of Phonological Awareness Skills:
A Review of the Evidence*
Sarah Roberson, Faculty Mentor: Casey Keck & April Garrity, GEORGIA SOUTHERN UNIVERSITY
7. *The Role of RNF216/TRIAD3 in Neuroinflammation Through Interactions with Toll-Like-Receptors*
Dustin Grossman, Faculty Mentor: Angela Mabb, GEORGIA SOUTHERN UNIVERSITY
8. *Analysis of Temporal Gene Expression of Mycobacteriophage XianYue*
Samantha Kates, Faculty Mentor: Dr. Allison Kanak, UNIVERSITY OF NORTH GEORGIA
9. *Lipid Induced-EV Proteins and their Association to Diabetic Kidney Disease*
Amanda Haney, Faculty Mentor: Dr. Ernest Ricks, GEORGIA GWINNETT COLLEGE
10. *Risking It All: How Stress Influences Risky Behavior among College Students*
Kaylia Johnson, Hannah McCook & Shane Oglesby, Faculty Mentor: Dr. Helen Bland,
GEORGIA SOUTHERN UNIVERISTY
11. *Raspberry Polyphenol Extract Decreases NF- κ B Phosphorylation and Interleukin (IL)-6 Expression in
Lipopolysaccharide (LPS)-Induced RAW 264.7 Macrophages*
Lena Lear, Rami Najjar & Jessica-Kim Danh, Faculty Mentor: Dr. Rafaela Feresin,
GEORGIA STATE UNIVERSITY
12. *Electronic Cigarettes Induce Chronic Obstructive Pulmonary Disease in a Pre-Clinical Model*
Shiyng Zhang & Chi In Vong, Faculty Mentor: Dr. Xiangming Ji, GEORGIA STATE UNIVERSITY
13. *Muscle Behavior and Properties During Wheelchair Use*
Jordan Rosenthal, Faculty Mentor: Muhammad Salman, KENNESAW STATE UNIVERSITY
14. *Investigating the Mechanisms of Aniridic Cataract*
Katie Coscia, Faculty Mentor: Dr. Melinda Duncan, UNIVERSITY OF DELAWARE
15. *Discovery and Characterization of a Novel Bacteriophage XianYue*
Alexis O'Neal, Amanda Laidlaw, Jessica Toller, Callie Mauersberg & Luka Kulasinac, Faculty Mentors: Alison
Kanak & Ryan Shanks, UNIVERSITY OF NORTH GEORGIA
16. *The Effect of Kinesio Tapes on the Growth of Staphylococcus aureus ATTC 12600*
Andi Fleming & Jordan Stewart, Faculty Mentor: Dobrusia Bialonska, UNIVERSITY OF NORTH GEORGIA

POSTER SESSION 2

CLEVELAND BALLROOM - MARTHA T. NESBITT 3110 - 3:20 pm– 4:30 pm

17. *Detecting the Presence of GMOs in Tortilla Chips Served U.S. Major Restaurant Chains*
Kristen Donahue, Kenneth Levenson, John Senat & Stephany Sifuentes, Faculty Mentor: Dr. Ernest Ricks Jr.,
GEORGIA GWINNETT COLLEGE
18. *Popular Unlabelled Cornmeal Brands Expected to be Labeled as 'Bioengineered' by 2022 in the U.S.:
Due to Detection of Genetic Material*
Elvia Encarnacion-Thomas, Jenai DaCosta, Farinaz Panah, Lilly Dishmay-Garrido & Tsion Adula,
Faculty Mentor: Dr. Ernest Ricks, Jr., GEORGIA GWINNETT COLLEGE
19. *Testing USDA Certified Organic Soy Noodles for Genetic Modifications*
Dhwani Mistry, Kyra Brewer, Salsabile Ibrahim & Vedanti Patel, Faculty Mentor: Dr. Ernest Ricks, Jr.,
GEORGIA GWINNETT COLLEGE
20. *Nanocellulose Aerogel from Biomass Waste for Water Purification*
Harshvardhan Singh, Faculty Mentor: Hari Singh, MERCER UNIVERSITY
21. *A salivary hormonal study on individuals of African ancestry living in different socio-economic environments, in order to
understand etiology of prostate cancer*
Megan Andrews, Ernest Kaninjing & Chavonda Mills, Faculty Mentor: Dr. Wathsala Medwala,
GEORGIA COLLEGE & STATE UNIVERSITY
22. *A Calorimetric Study of The Adsorption of Oxalate on Hematite Nanoparticle*
Natasha Clarke, Faculty Mentors: Dr. Elina Stroevea, Dr. Hind Al-Abadleh & Dr. Nadine Kabengi,
GEORGIA STATE UNIVERSITY
23. *Deducing the Mechanisms of E2-Conjugating Enzymes: Synthesis of a Di-Ubiquitin Probe through Incorporation of an
Unnatural Amino Acid*
Savannah Jacobs, Faculty Mentors: Jun Yin, GEORGIA STATE UNIVERSITY
24. *Growth of Metal Sulfides/Selenides from Metal Flux Reactions to Synthesize Semiconductors*
Emily Storck, Mary Hertz & Ashini Jayasinghe, Faculty Mentor: Dr. Susan Lattuner,
FLORIDA STATE UNIVERSITY
25. *Communication of Classical State Information within Proteins*
Nathan Clement, Faculty Mentor: Brian Dominy, UNIVERSITY OF NORTH GEORGIA
26. *Perception of Rap Music as a Function of Sub-Genre*
Carl Stokes, Faculty Mentor: Shelley Aikman, UNIVERSITY OF NORTH GEORGIA
27. *The Effects of the Different Configurations of the Periodic Kernels on Machine Learning Problems*
Adrian Pizano, Faculty Mentors: Hong Zhang & Hongjun Su, GEORGIA SOUTHERN UNIVERSITY
28. *Blockchain's Potential for Securing the Integrity and Availability of Academic Credentials*
Daniel Haugen, Faculty Mentor: Chris Jolly, UNIVERSITY OF NORTH GEORGIA
29. *Getting Duck'd On: USB Rubber Ducky Keystroke Injects*
Jacob Malimban, Faculty Mentor: Dr. Bryson Payne, UNIVERSITY OF NORTH GEORGIA
30. *Human-Machine Interactions Using a Flex-Sensor And 3D Printed Robot Arm*
Davis Le, Faculty Mentors: Sairam Tangirala & Tae Song Lee, GEORGIA GWINNETT COLLEGE
31. *Muscle Fatigue and Recuperation With Inclusion of Vibration Plate*
Cody Scarborough, Faculty Mentor: Muhammad Salman, KENNESAW STATE UNIVERSITY

POSTER SESSION 2, continued

CLEVELAND BALLROOM - MARTHA T. NESBITT 3110 - 3:20 pm– 4:30 pm

25. *Communication of Classical State Information within Proteins*

Nathan Clement, Faculty Mentor: Brian Dominy, UNIVERSITY OF NORTH GEORGIA

26. *Perception of Rap Music as a Function of Sub-Genre*

Carl Stokes, Faculty Mentor: Shelley Aikman, UNIVERSITY OF NORTH GEORGIA

27. *The Effects of the Different Configurations of the Periodic Kernels on Machine Learning Problems*

Adrian Pizano, Faculty Mentors: Hong Zhang & Hongjun Su, GEORGIA SOUTHERN UNIVERSITY

28. *Blockchain's Potential for Securing the Integrity and Availability of Academic Credentials*

Daniel Haugen, Faculty Mentor: Chris Jolly, UNIVERSITY OF NORTH GEORGIA

29. *Getting Duck'd On: USB Rubber Ducky Keystroke Injects*

Jacob Malimban, Faculty Mentor: Dr. Bryson Payne, UNIVERSITY OF NORTH GEORGIA

30. *Human-Machine Interactions Using a Flex-Sensor And 3D Printed Robot Arm*

Davis Le, Faculty Mentors: Sairam Tangirala & Tae Song Lee, GEORGIA GWINNETT COLLEGE

31. *Muscle Fatigue and Recuperation With Inclusion of Vibration Plate*

Cody Scarborough, Faculty Mentor: Muhammad Salman, KENNESAW STATE UNIVERSITY

32. *Incorporating 3D Printing into Introductory Engineering Courses*

Nicholas Schantz, Faculty Mentor: Redahegn Sileshi, UNIVERSITY OF NORTH GEORGIA

33. *Impacts of Groundwater Salinity on Tree Mortality on Sapelo Island, Georgia*

Savannah Terry, Faculty Mentor: Dr. Samuel Mutiti, GEORGIA COLLEGE & STATE UNIVERSITY

34. *Quantifying microplastic pollution in marsh habitats*

Mihir Patel, Faculty Mentor: Michele Guidone, GEORGIA SOUTHERN UNIVERSITY

35. *Enamel isotopes reveal late Pleistocene ecosystem dynamics in southeastern North America*

Elizabeth Noble, Faculty Mentor: David Patterson, UNIVERSITY OF NORTH GEORGIA

36. *University of North Georgia Herbarium Project*

Megan Henderson & Samantha Shea, Faculty Mentor: Dr. Tom Diggs,
UNIVERSITY OF NORTH GEORGIA

37. *Quantifying Precursors to Algal Blooms in Lake Sidney Lanier*

Dakota Boncore, Faculty Mentor: Margi Flood, UNIVERSITY OF NORTH GEORGIA

38. *Does small-scale light pollution affect bat foraging behavior?*

Maggie Woodall, Faculty Mentor: Dr. Michael Bender, UNIVERSITY OF NORTH GEORGIA

39. *Extended-Spectrum Beta (β) Lactamase-producing Enterobacteriaceae Isolates from Flat Creek Water Samples*

Luis Vidals & Maria Mayorga-Gutierrez, Faculty Mentor: Dr. Swapna Bhat, UNIVERSITY OF NORTH GEORGIA

40. *Effect of imidacloprid on mycelial growth rate of soil fungi*

Mary Washburn, Faculty Mentor: Dr. Ashlee McCaskill, UNIVERSITY OF NORTH GEORGIA

41. *A preliminary assessment of native pollinator attraction to bee hotels in northeast Georgia*

Jada Tipton & Amelia Arthur, Faculty Mentor: Dr. David Patterson, UNIVERSITY OF NORTH GEORGIA

42. *Deterrence of Ants by Chemical Compounds from Six Southeastern Plants*

Jose Alcalde, Faculty Mentors: Evan Lampert & Tom Diggs, UNIVERSITY OF NORTH GEORGIA

43. *Gesture Recognition of EEG Signals Using Wavelet Transform and Artificial Neural Networks for BCI Applications*

Hugo Flores Garcia, Faculty Mentor: Prof. Fernando Rios, GEORGIA SOUTHERN UNIVERSITY

POSTER SESSION 2, continued

CLEVELAND BALLROOM - MARTHA T. NESBITT 3110 - 3:20 pm– 4:30 pm

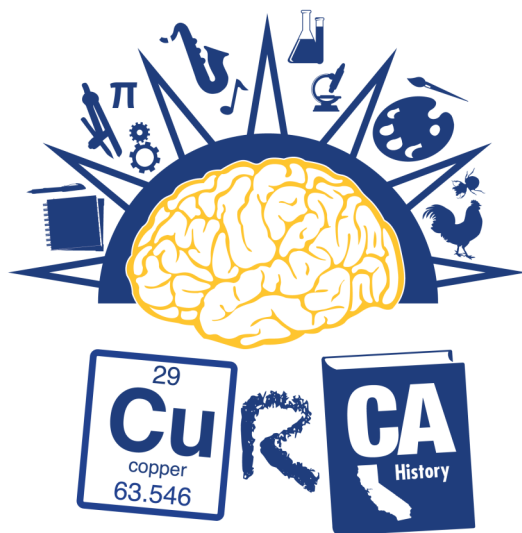
44. *Effects of chemical vagotomy on the neonatal mouse paraventricular nucleus of the hypothalamus*
Aviva Gars, Alexandra Castillo-Ruiz & Benoit Chassaing, Faculty Mentor: Nancy Forger,
GEORGIA STATE UNIVERSITY
45. *The Ancient Origins of TRP-dependent Menthol Sensing*
Maggie Benson, Faculty Mentor: Dr. Daniel Cox, GEORGIA STATE UNIVERSITY
46. *Anti-Inflammatory Agents Modulate Phagocytic Activity of Alpha-Synuclein Stimulated Microglial Cells*
Kyra Brewer, Faculty Mentor: Cindy Achat-Mendes, GEORGIA GWINNETT COLLEGE
47. *Discriminating between Quark and Gluon Initiated Jets using Jet Charge at the Large Hadron Collider*
Tyler Wilson, Faculty Mentor: Sonny Mantry & Mark Spraker, UNIVERSITY OF NORTH GEORGIA
48. *Gravitational Attraction within a Simplified Ring System*
Mallory Cole, Faculty Mentor: Mark Spraker, UNIVERSITY OF NORTH GEORGIA
49. *Creton and Analysis of 3-Dimensional Thermal Models*
Bradley Andrew & Ryan Elliott, Faculty Mentor: Thomas Vogel, UNIVERSITY OF NORTH GEORGIA
50. *Practicing with a Pint: Alcohol's Effect on Second Language Learning*
Elizabeth Purnell, Faculty Mentors: Dr. Daniel Walter & Dr. Jennifer McGee, EMORY UNIVERSITY
51. *The Effect of Color on Cognitive Performance and Mood*
Valter Andersson, McKinley O'Kelley & Micaela Wright, Faculty Mentor: Julie Delose,
YOUNG HARRIS COLLEGE
52. *Men's Private and Public Conformity to Masculine Norms*
Jasmine Starks, Faculty Mentor: Nickolas Holtzman, GEORGIA SOUTHERN UNIVERSITY
53. *Perceptions of Pet Relinquishment*
Lauren Mitchell, Faculty Mentor: Suma Mallavarapu, KENNESAW STATE UNIVERSITY
54. *Are the kids all right? Associations among emerging adults' experiences, anxiety, and coping.*
Shelby Fernandez & Blake Armstrong, Faculty Mentor: Amanda Halliburton, UNIVERSITY OF NORTH GEORGIA
55. *How socioeconomic status acts as a moderator for parental style, child well-being, and school achievement.*
Destiny Kelly, Faculty Mentor: Dr. Matthew Stapleton, UNIVERSITY OF NORTH GEORGIA

Publish in a peer-reviewed journal!

**Deadline for proposals:
FEBRUARY 28, 2020**



Papers & Publications accepts full-length research essays from all disciplines. Authors must be affiliated with colleges and universities in the southeastern United States. Please see our website for full details.



University of North Georgia™

Special thanks to Mandy Losito, Heather Rose, Kathryn Quinto, and Allison Galloup, along with the UNG Libraries, Dr. Edward Lai and the UNG Career Services, the UNG Office of Research and Engagement and the entire UNG-GURC Planning Committee. We also wish to acknowledge and thank the tireless work of our reviewers as well as the entire General Council of the Georgia Undergraduate Research Collective.

**See you at GURC 2020
at the University of
West Georgia!**



October 23-24, 2020