**Anthropology**

**Cosby, Room LL28**

**Moderator: Roslyn Nicole Smith**

9:00 AM ANT-O1 *Black Skin: "Black Hair" -A Study of the Influences on the Hairstyle Choices of Spelman Women*

**Presenter/Author: Amanda Carrington**

Advisor(s): Bruce H. Wade, PhD

9:20 AM ANT-O2 *Black Activists in "White Africa": Understanding Race and Identity through Migrant-Activism in Morocco*

**Presenter/Author: Katryna Mahoney**

Advisor(s): Erica Williams, PhD

9:40 AM ANT-O3 *Audre Lorde's Journey to Self-Discovery*

**Presenter/Author: Brittany Botts**

Advisor(s): Jerry Wever, PhD, Opal Moore, MFA

10:00 AM ANT-O4 *Imitation of Life: The Cross-Cultural Appeal of The Sims*

**Presenter/Author: Morgan Clark**

Advisor(s): Jerry Wever, PhD

10:20 AM ANT-O5 *"All Dressed in White: The Exploration of the White Dress Ceremony at Spelman College in Relation to Middle Class Status, and Material Culture”*

**Presenter/Author: Shayla Black**

Advisor(s): Daryl White, PhD, Bruce H. Wade, PhD

10:40 AM ANT-O6 *Liberating Emotions to Break Silences: An Analysis of Audre Lorde's Revolutionary Exploration of the use of Anger and the Erotic to Create Change*

**Presenter/Author: Briana Dixon**

Advisor(s): Opal Moore, MFA, Jerry Wever, PhD

11:00 AM ANT-O7 *From Mute to Music*

**Presenter/Author: Taylor Doyal**

Advisor(s): Jerry Wever, PhD, Opal Moore, MFA

**Art O1-O3**

**The Suites Private Dining Room**

**Moderator:**

9:00 AM ART-O1  *Visual Combat: The Ongoing Battle of Disrupting the Caricature of Black Americans at the Turn of the Century*

**Presenter/Author: Stephanie Goodalle**

Advisor(s): M. Akua McDaniel, PhD

9:20 AM ART-O2 *Critiquing Black Female Sexuality and Beauty Representations in Post-Racial America*

**Presenter/Author: Georgette Arimah**

Advisor(s): M. Akua McDaniel, PhD

9:40 AM ART-O3 *Exploring Ashe as an Aesthetic Criterion*

**Presenter/Author: Candice Thornton**

Advisor(s): Arturo Lindsay, PhD, M. Akua McDaniel, PhD

**Art O4-O7**

**The Suites Conference Room**

**Moderator:**

9:00 AM ART-O4 *Imagine Your Friends - Senior Studio Art Major Exhibition*

**Presenter/Author: Alyssa Hull**

Advisor(s): Jessica Scott-Felder, MFA

9:20 AM ART-O5 *Things Lost*

**Presenter/Author: Campbell Washington**

Advisor(s): Jessica Scott-Felder, MFA

9:40 AM ART-O6 *Hair-archy*

**Presenter/Author: Diamond Sands**

Advisor(s): Jessica Scott-Felder, MFA

10:00 AM ART-O7 *Departure from Grimm*

**Presenter/Author: Devan Tate**

Advisor(s): Jessica Scott-Felder, MFA, Arturo Lindsay, PhD

10:20 AM ART-O8 *Pepper and Carl's Day Out*

**Presenter/Author: Lincoln McMeen**

Advisor(s): Jessica Scott-Felder, MFA

10:40 AM ART-O9 *She Who Saw the Deep*

**Presenter/Author: Andrew Morrison**

Advisor(s): Jessica Scott-Felder, MFA

11:00 AM ART-O10 *Reflections*

**Presenter/Author: Walter Jamal Bates**

Advisor(s): Jessica Scott-Felder, MFA, Michael B. Roman (Morehouse College)

**Biology I O1-O4**

**Science Center, Room 238**

**Moderator:**

9:00 AM BIO-O1 *The Effects of Endosymbionts Across Food Webs: How Aphid Endosymbionts Affect the Survival of the Invasive Lady Beetle Harmonia axyridis*

**Presenter/Author: Candice Gaul**

Other Author(s): Dene Voisin

Advisor(s): Jennifer Kovacs, PhD

9:20 AM BIO-O2 *Mapping Modulators of Stress and Reproduction in Flies*

**Presenter/Author: Courtney Kane**

Advisor(s): Yonas Tekle, PhD, Erik Johnson, PhD (Wake Forest University Graduate School of Arts and Sciences)

9:40 AM BIO-O3 *Owl Butterfly Oviposition Patterns on Banana Leaves*

**Presenter/Author: Tayler Elam**

Advisor(s): Yonas Tekle, PhD, Alan Masters, PhD (Council on International Educational Exchange)

10:00 AM BIO-O4 *The Effect of the pheromone DMD on Male Mate Choice in Tribolium castaneum, Red Flour Beetle*

**Presenter/Author: Domonique Hatton**

Advisor(s): Jennifer Kovacs, PhD, Aditi Pai, PhD

**Biology II O5-O8**

**Science Center, Room 232**

**Moderator:**

9:00 AM BIO-O5 *Parasexuality in Asexual Amoeba, Cochliopodium: Investigation of Mating Patterns and Types*

**Presenter/Author: Ariel Lecky**

Advisor(s): Yonas Tekle, PhD

9:20 AM BIO-O6 *Immunodetection of Arabidopsis thaliana ATP binding cassette (ABC) transporter, AtWBC19*

**Presenter/Author: Jasmine Mason**

Advisor(s): Mentewab Ayalew, PhD, Michelle Lang, PhD

9:40 AM BIO-O7 *Protein-protein Interactions between the Arabidopsis thaliana ABC transporter Atwbc19 and the Initiation Factor Subunit eIF3f.*

**Presenter/Author: Isabella Fraga de Andrade**

Advisor(s): Mentewab Ayalew, PhD

10:00 AM BIO-O8 *Leaf Mechanical Strength Corresponds to Tissue Water Relations in Twelve Species of California Ferns*

**Presenter/Author: Breahna Gillespie**

Advisor(s): Mentewab Ayalew, PhD, Stephen Davis, PhD (Pepperdine University), Jarmilla Pittermann, PhD (University of California, Santa Cruz)

**Biology III O9-O15**

**Science Center, Room 233**

**Moderator:**

9:00 AM BIO-O9 *Comparing Efficacy of a Hydrogel based BMP-2 delivery System to Vital Bone Grafts*

**Presenter/Author: Kalah Haley**

Advisor(s): Terezinha Cássia de Brito Galvão, PhD, Dietmar Hutmacher, PhD (Queensland Univeristy of Technology), Mark Maloney, PhD (Spelman College)

9:20 AM BIO-O10 *Quantitative Analysis of Potential Proteomic Biomarkers for Myocardial Infractions*

**Presenter/Author: Lindsay Stanford**

Advisor(s): Gayle Newman, PhD (Morehouse School of Medicine), PhD, Mark Brice, PhD (Morehouse School of Medicine)

9:40 AM BIO-O11 *Proteomic Changes in Hypothalamus and Pituitary Tissues Following Ischemic Stroke*

**Presenter/Author: Jayne Rice**

Advisor(s): Lisa Hibbard, PhD, An Zhou, PhD (Morehouse School of Medicine), Li Cao, PhD (Morehouse School of Medicine)

10:00 AM BIO-O12 *The Role of CD38 in the Expression of Regulatory B Cells in a Murine Model of Lupus*

**Presenter/Author: Gabrielle Richardson**

Advisor(s): Rosalind Gregory Bass, MD, Jaime Sancho, PhD (Instituto de Parasitología y Biomedicina "López-Neyra")

10:20 AM BIO-O13 *The Functional Significance of the PDZ Motif in Interleukin-16*

**Presenter/Author: Corinne Foley**

Advisor(s): Mark Lee, PhD

10:40 AM BIO-O14 *Determining if the Absence of Recombination on Chromosome 21 is Associated with Reduced Recombination Genome-Wide*

**Presenter/Author: Ariel Harden**

Other Author(s): Sha-Hanna Saffold

Advisor(s): Tiffany Oliver, PhD, Stephanie Sherman, PhD (Emory University)

11:00 AM BIO-O15 *Analyzing In Vitro the Mechanisms of Trastuzumab in Breast Cancer Cells*

**Presenter/Author: Jasmeka Colvin**

Advisor(s): Rosalind Gregory Bass, MD, Atanasio Pandiella, PhD (Universidad de Salamanca)

**Chemistry**

**Science Center, Room 134**

**Moderator:**

9:00 AM CHE-O1 *Multidimensional Spectroscopic Constants*

**Presenter/Author: Najja Ellis**

Other Author(s): Thresa Wells

Advisor(s): Peter Chen, PhD, Sylvia Bozeman, PhD, Ben Strangfield

9:20 AM CHE-O2 *Plausible Prebiotic Scenarios and Mechanisms for the Formation of Glycine Using Different Ratios of Formamide and Water*

**Presenter/Author: Llewellyn Delsarte**

Advisor(s): Yassin Jeilani, PhD

9:40 AM CHE-O3 *MicroRNAs and the Stress Response of Mouse Embryonic Fibroblast Stem Cells*

**Presenter/Author: Lydia Ruffner**

Advisor(s): Shanina Sanders, PhD, Bradley Cobb, PhD (Royal Veterinary College of London)

10:00 AM CHE-O4 *Analyzing and Increasing the Green Chemistry Knowledge of Students in Spelman’s Organic Chemistry Labs*

**Presenter/Author: Mariah Bryant**

Other Author(s): Tecia Grier

Advisor(s): Shanina Sanders, PhD

**Computer Science and SPARC**

**Science Center, Room 337**

**Moderator:**

9:00 AM CIS-O1 *Designing a Mobile Application to Assist Caregivers of Dementia Patients*

**Presenter/Author: Jazette Johnson**

Advisor(s): Yolanda Rankin, PhD

9:20 AM CIS-O2 *Will Robots Take Over The World: Analyzing The Future of Jobs Versus The Advancement of Robotic Technology*

**Presenter/Author: Daria Jordan**

Advisor(s): Yolanda Rankin, PhD, Jakita Thomas, PhD

9:40 AM CIS-O3 *The Affordable Care Act and Spelman College*

**Presenter/Author: Maryum Styles**

Advisor(s): Yolanda Rankin, PhD

10:00 AM CIS-O4 *Comparative Computational Modeling of Airflows and Vapor Dosimetry in Respiratory Tract of Rat*

**Presenter/Author: Cassi Davis**

Advisor(s): James Carson (Pacific Northwest National Laboratory), PhD, Sean Colby, MPHD (Pacific Northwest National Laboratory )

10:20 AM SPC-O1 *Improving Efficiency of Technology for the Spelman Community Working Toward Wellness Goals via an Interactive, Personalized Mobile Application*

**Presenter/Author: Zazie Lumpkin, Latecia McCauley, Thaiesha Wright**

Advisor(s): Lisa Hibbard, PhD, Yolanda Rankin, PhD

10:40 AM SPC-O2 *Operation Transformation Mobile App*

**Presenter/Author: Brandy Hayes, Micaela Hunter, Jazette Johnson, Jasmine Nethels**

Advisor(s): Lisa Hibbard, PhD

11:00 AM SPC-O3 *An Innovative App Design to Facilitate Participation in the Spelman Wellness Revolution*

**Presenter/Author: Britney Robinson, Maryum Styles, Alexandria Sutton**

Advisor(s): Lisa Hibbard, PhD

**Comparative Women’s Studies and History**

**Cosby, Room LL31**

**Moderator: Cynthia Cooke**

9:00 AM CWS-O1 *Black Women and Faith Based Substance Abuse Recovery*

**Presenter/Author: Britney McCollum**

Advisor(s): Beverly Guy-Sheftall, PhD

9:20 AM HIS-O1 *“Whether I Am Black or a Woman, My Oppressor is the Same”*

**Presenter/Author: Chi-Ante Singletary**

Advisor(s): Azaria Mbughuni, PhD

9:40 AM HIS-O2 *Slavery and its Effects on AfroBrazilians*

**Presenter/Author: Raquel King**

Advisor(s): Anita Wheeler, PhD, Kathleen Phillips-Lewis, PhD

10:00 AM HIS-O3 *The American Legal System Viewed Through the Eyes of Hip Hop*

**Presenter/Author: Camille Vincent**

Advisor(s): James Gillam, PhD, Samuel Livingston, PhD (Morehouse College)

10:20 AM HIS-O4 *“Vodou, Power and Gender: Haiti and New Orleans from the Late 18th to the End of the 19th Century "*

**Presenter/Author: Arielle Evans**

Advisor(s): Kathleen Phillips-Lewis, PhD

10:40 AM HIS-O5 *Mrs. Leila Mae Mattocks*

**Presenter/Author: Edwina Campbell**

Advisor(s): Gloria Wade Gayles, PhD

**Drama and Music**

**Cosby, Room 103**

**Moderator:**

9:00 AM DRA-O1 *The Costume of Celebration*

**Presenter/Author: Valentine Williamson**

Advisor(s): Blythe Winger, MFA

9:20 AM MUS-O1 *From Rhythm Nation to Drunk In Love: An Analysis on the Evolution of R&B Music*

**Presenter/Author: Kaya Rand**

Advisor(s): Kevin Johnson, DMA

9:40 AM MUS-O2 *I’m Every Woman: Analysis and Perceptions of African American Female Vocal Styles*

**Presenter/Author: Megan Jones**

Advisor(s): Kevin Johnson, DMA, Paula Grissom, Mm, Laura English-Robinson, MM

10:00 AM MUS-O3 *Money Trees Aren’t the Perfect Place for Shade*

**Presenter/Author: Janae Bryant**

Advisor(s): Kevin Johnson, DMA, Paula Grissom, MM

**Economics and Sociology O1, O2 and O4**

**Cosby, Room LL32**

**Moderator: Lorane L. Ponder**

9:00 AM ECO-O1 *What is the Effect of Substance Use on Criminal Behavior?*

**Presenter/Author: Jade Kimpson**

Advisor(s): Robynn Cox, PhD

9:20 AM ECO-O2 *Muslim-Christian Relationships and Trust in West Africa*

**Presenter/Author: Kemi Oyewole**

Advisor(s): Bernice J. deGannes Scott, PhD

9:40 AM ECO-O3 *Does Education Eliminate the Gender Wage Gap?*

**Presenter/Author: Rae'Johne Smith**

Other Author(s): Jessica Romeus, Chelsey Willis

Advisor(s): Robynn Cox, PhD

10:00 AM ECO-O4 *An Analysis of the Effect of Education on Economic Growth and Income Distribution in Ghana, 1975 to 2013*

**Presenter/Author: Gloria Aboagye-Agyeman**

Advisor(s): Bernice J. deGannes Scott, PhD

10:20 AM SOC-O1 *Transnational Blackness: Five Narratives of Black Americans in Cape Town, South Africa*

**Presenter/Author: Tayler Ulmer**

Advisor(s): Bruce H. Wade, PhD, Ryland Fisher (Cape Town Times)

10:40 AM SOC-O2 *Selling Sass, Curves and Capes: An Analysis of Black Women in Television Advertisements*

**Presenter/Author: Deborwah Faulk**

Advisor(s): Bruce H. Wade, PhD

11:00 AM SOC-O4 *Navigating Ethnicities: The Experience and Expression of Identity amongst American Born West Africans*

**Presenter/Author: Samantha Arthur**

Advisor(s): Bruce H. Wade, PhD

**Education, Philosophy and Religious Studies, Sociology O3**

**Giles, Room 109**

**Moderator:**

9:00 AM EDU-O1 *Kilometers or miles: Should it matter?*

**Presenter/Author: Anique Thompson**

Other Author(s): Tara Martin

Advisor(s): Hong Qin, PhD

9:20 AM EDU-O2 *Perceiving Prospective Prosperity*

**Presenter/Author: Jasmine Payne**

Advisor(s): Angelino Viceisza, PhD, Joyce Dorsey, PhD (Fulton Atlanta Community Action

9:40 AM EDU-O3 *Examining the Impacts of Using Phonics Instruction Versus Whole language Instruction on Subsequent Early Reading Achievement in English Language Learners*

**Presenter/Author: Dara Walker-Williams**

Advisor(s): Nicole Taylor, PhD

10:00 AM EDU-O4 *Under Educated and Over Incarcerated*

**Presenter/Author: Shanteal Lake**

Advisor(s): Andrea D. Lewis, PhD

10:20 AM REL-O1 *Spelmanites' View After 9/11*

**Presenter/Author: Torrie Dunn**

Advisor(s): Rosetta Ross, PhD

10:40 AM REL-O2 *The Comparative Study of Religion through the Eyes of Womanists and Feminists*

**Presenter/Author: Tanaka Sakuringwa**

Advisor(s): Rosetta Ross, PhD

11:00 AM SOC-O3 *Impact Analysis of Educational and Professional Based Enrichment Programs*

**Presenter/Author: Ama Yates-Ekong**

Advisor(s): Angelino Viceisza, PhD, Joyce Dorsey, PhD (Fulton Atlanta Community Action Authority )

**Engineering and Physics**

**Tapley, Room 133**

**Moderator:**

9:00 AM EGR-O1 *How to Build an Auto Guided Vehicle Using a Microcontroller*

**Presenter/Author: Ashley Lofton**

Advisor(s): Jerry Volcy, PhD, Monica Stephens, PhD

9:20 AM PHY-O1 *Mechanical Properties of Poly-Vinyl Alcohol Gels*

**Presenter/Author: Joi Officer**

Advisor(s): Marta Dark, PhD

9:40 AM PHY-O2 *Exposure of Planktonic Cells of Escherichia coli to Atmospheric- Pressure Non-thermal Plasmas*

**Presenter/Author: Brianna Stewart**

Advisor(s): Natarajan Ravi, PhD, William Graham, PhD (Queen's University Belfast)

10:00 AM PHY-O3 *Relativity and Bohr's Model of Hydrogen*

**Presenter/Author: Kayla Echols**

Advisor(s): Derrick Hylton, PhD

**English**

**Cosby, Room LL29**

**Moderator:**

9:00 AM ENG-O1 *“Is Anyone Having Good Sex in the Future?: An Analysis of Sex in Afrofuturstic Texts”*

**Presenter/Author: Justinia Carter**

Advisor(s): Tarshia Stanley, PhD, Tananarive Due, MA

9:20 AM ENG-O2 *Perceived Levels of Social Support as Displayed Through Twitter*

**Presenter/Author: Shannon Hughley**

Advisor(s): Margaret Price, PhD

9:40 AM ENG-O3 *Richard Wright’s Native Daughters: Womanhood as Backdrop in Native Son*

**Presenter/Author: Taylor Curry**

Advisor(s): Stephen Knadler, PhD, Donna Akiba Harper, PhD

10:00 AM ENG-O4 *Thinkin' of a Master Plan: Paid in Full and the Journey to the American Dream*

**Presenter/Author: Tiffany Solomon**

Advisor(s): Patricia Ventura, PhD

10:20 AM ENG-O5 *“It Takes A Village”: Who Is Informing The Identities of Black, Female Protagonists Within the Speculative Fiction Written by Black Females?*

**Presenter/Author: Cydnii Harris**

Advisor(s): Tarshia Stanley, PhD

10:40 AM ENG-O6 *You Speak Well: Cultural Code Switching and Black Woman Leadership*

**Presenter/Author: Kendra Mells**

Advisor(s): Stephen Knadler, PhD

11:00 AM ENG-O7 *Txting in the Formal: A Research Study on Young Adults, Texting and Linguistic Skills*

**Presenter/Author: Bre'Lynn Lombard**

Advisor(s): Margaret Price, PhD

**Environmental Science**

**Science Center, Room 145**

**Moderator: Tonya M. Holloway**

9:00 AM ENV-O1 *An Evaluation of Arctic Sea Ice Variability and Decline using Remotely Sensed Satellite Observation*

**Presenter/Author: Sanura Dewa**

Advisor(s): Alisa Young, PhD

9:20 AM ENV-O2 *Subterranean Termite (Reticulitermes sp.) Mortality and Preference to Three Different Formulations of Poly (N-vinyl caprolactam)*

**Presenter/Author: Ishara Emerson**

Advisor(s): Alisa Young, PhD, Duane Jackson, PhD (Morehouse College), Juana Mendenhall, PhD (Morehouse College)

9:40 AM ENV-O3 *Catalytic Reactions Using Pt Deposited on ZnO Doped with Al, Ce and Zr for Valorization of Glycerol*

**Presenter/Author: Kevona Belcher**

Advisor(s): Yassin Jeilani, PhD, Fransico Urbano, PhD (University of Cordoba, Spain), Vicente Jimenez, PhD (University of Cordoba)

10:00 AM ENV-O4 *The Study of Esterification of Free Fatty Acids (FFA) in Waste Oil*

**Presenter/Author: Marlissa Stalling**

Advisor(s): Terezinha Cássia de Brito Galvão, PhD, Mª Angeles Santos, PhD (University of Cordoba)

**Mathematics**

**Tapley, Room 130**

**Moderator: Jennifer Stanford Johnson**

9:00 AM MAT-O1 *An Attack on RSA*

**Presenter/Author: Danielle Middlebrooks**

Advisor(s): Jeffrey Ehme, PhD

9:20 AM MAT-O2 *Using the Greedy Coloring Algorithm to Minimize Aircraft Usage*

**Presenter/Author: Raven Smith**

Advisor(s): Viveka Borum, PhD

9:40 AM MAT-O3 *Techniques of Scheduling with Graph Theory and Combinations*

**Presenter/Author: Kayla Davie**

Advisor(s): Viveka Borum, PhD

10:00 AM MAT-O4 *Hyperelliptic-Curve Cryptography*

**Presenter/Author: Lynesia Taylor**

Advisor(s): Jeffrey Ehme, PhD

10:20 AM MAT-O5 *Influence of Gene Network Topology on Cellular Aging*

**Presenter/Author: Brittany Jackson**

Advisor(s): Hong Qin, PhD

10:40 AM MAT-O6 *Pascal's Triangle as a Tool to Engage Students in Mathematics*

**Presenter/Author: Ali-Symone Faltz**

Other Author(s): Raven Smith

Advisor(s): Viveka Borum, PhD, Jasmine Wallace (University of Louisiana at Lafayette)

11:00 AM MAT-O7 *Grobner Bases and Application to Graph Coloring*

**Presenter/Author: Stephanie Williams**

Advisor(s): Mohammed Tesemma, PhD

**Psychology**

**Giles, Room 110**

**Moderator: Dana Pride Jones**

9:00 AM PSY-O1 *Spirituality, Physical Activity, and Life Satisfaction in African American College Students*

**Presenter/Author: Imani Hester**

Advisor(s): Sandra Sims Patterson, PhD, Valerie Jones Taylor, PhD

9:20 AM PSY-O2 *Infusion of neuropeptide Y into the basolateral amygdala Induces Resilience to Social Defeat Stress*

**Presenter/Author: Cree Robinson**

Advisor(s): Karen Brakke, PhD, Christopher Markham, PhD (Morehouse College)

9:40 AM PSY-O3 *Low Estrogen Modulates Attention Bias To Emotional Faces in Women with Posttraumatic Stress Disorder*

**Presenter/Author: Kayla Greene**

Advisor(s): Ebony Glover, PhD

10:00 AM PSY-O4 *The Effect of Stereotypically Thin Female Images on Black Women’s Acceptance of Abusive Behavior in Romantic Relationships*

**Presenter/Author: Brooke Martin**

Advisor(s): Valerie Jones Taylor , PhD

10:20 AM PSY-O5 *Assessing the Effect of Past Relationships on Future Partner Decision Making in Young African American Adults*

**Presenter/Author: Mercedes Cambric**

Advisor(s): Jimmeka Guillory, PhD, Sandra Sims Patterson, PhD

10:40 AM PSY-O6 *Getting Personal: Interpersonal Closeness Moderates Ingroup Members’ Emotional Responses to Stereotype-Confirming Behavior*

**Presenter/Author: Ashley Hamilton-Johnson**

Other Other Author(s): Jessica Turner, Bianka Charity

Advisor(s): Valerie Jones Taylor, PhD

**Public Health**

**Tapley, Room 119**

**Moderator: Brandi Philpot**

9:00 AM PUB-O1 *Child Health: Treatment Seeking Behaviors of Mothers in Mutshitkilini Village*

**Presenter/Author: Ticara Wicks**

Advisor(s): Mark Lee, PhD

9:20 AM PUB-O2 *The NOW Jim Crow: Interrogating Racially Disparate Medical Narratives in Organ Allocation and Transplantation*

**Presenter/Author: Ke'Andra Levingston**

Advisor(s): Stephen Knadler, PhD

9:40 AM PUB-O3 *Education as the Best Medicine: A KAP Study of Tuberculosis in HaMakuya*

**Presenter/Author: Kwadernica Rhea**

Advisor(s): Leyte Winfield, PhD

10:00 AM PUB-O4 *Maternal Choices for Children’s Health: The use of Biomedicine or Alternative Methods in Tshianzwane Village*

**Presenter/Author: Dominique White**

Other Other Author(s): Thea Dennis, Jacqueline Chan, Elle Gault

Advisor(s): Rosalind Gregory Bass, MD

10:20 AM PUB-O5 *Mental Health Stigma Among African American parents: Myths and Reality*

**Presenter/Author: Simone Sibley**

Advisor(s): Jimmeka Guillory, PhD, Victor Ede, MBBS, MSCR (Morehouse School of Medicine SHLI-DBH), Martha Okafor, PhD (Morehouse School of Medicine SHLI-DBH)

**World Languages and Literature and Political Science**

**Cosby, Room LL27**

**Moderator: Zadie R. Long**

9:00 AM FLF-O1 *Analyse: Si Je Suis Parti*

**Presenter/Author: Muhire Kwizera**

Advisor(s): Jean Norgaisse, PhD

9:20 AM FLF-O2 *The Use of Metaphors in Poetry*

**Presenter/Author: Liliane Ntaganda**

Advisor(s): Jean Norgaisse, PhD

9:40 AM POL-O1 *Political Party Identification Among African Americans*

**Presenter/Author: Michelle Burris**

Advisor(s): Unislawa Williams, PhD

10:00 AM POL-O2 *Cries Behind Bars: Health Needs of Women in Prison*

**Presenter/Author: Monae White**

Advisor(s): Unislawa Williams, PhD

10:20 AM POL-O3 *African American Politicians and Social Capital*

**Presenter/Author: Jaynell White**

Advisor(s): Unislawa Williams, PhD

10:40 AM POL-O4 *The Effects of the Voting Rights Act of 1965 on Black Women in Fulton County, Georgia*

**Presenter/Author: Kadijah Ndoye**

Advisor(s): Marilyn Davis, PhD

11:00 AM POL-O5 *Global Political Ecology: Analyzing Global Food Security From the Neo-Traditionalist and Modernist Perspectives*

**Presenter/Author: Kendall Wells**

Advisor(s): Fatemeh Shafiei, PhD

**Anthropology, Science Center, 1st Floor 1:45 PM**

ANT-P1 *Erotic Activism*

**Presenter/Author: Cedreka Walker**

Advisor(s): Jerry Wever, PhD, Opal Moore, MFA

**Biology, The Suites Cafeteria 1:45 PM**

BIO-P1 *Lapatinib and Neratinib: Using Combination Drug Therapy to Advance the Effect of the Treatment of HER2 Positive Breast Cancer*

**Presenter/Author: Kendra Hearn**

Advisor(s): Mark Lee, PhD, Atanasio Pandiella, PhD (Universidad de Salamanca)

BIO-P3 *The Effects of Benzimidazole-based Sulponamide on SKOV3 Ovarian Cancer Cell Metastasis*

**Presenter/Author: Tamara Byrd**

Advisor(s): Rosalind Gregory Bass, MD, Michael McGinnis, PhD, Leyte Winfield, PhD

BIO-P5 *Correlations between Exposure to Polycyclic Aromatic Hydrocarbons and Health of the Female Reproductive System*

**Presenter/Author: Marcea Lewis**

Other Author(s): Kaitlyn Jackson, Alanah Pierce, Nijah Burris

Advisor(s): Michael McGinnis, PhD

BIO-P7 *Fear Learning Deficits in Women with PTSD: Estrogen is Associated with Extinction of Fear- potentiated Startle*

**Presenter/Author: Aiyana Batton**

Advisor(s): Ebony Glover, PhD

BIO-P9 *Studying the Genetic Variations in Oxidative Stress Responses Pathways*

**Presenter/Author: Ariel Harden**

Other Author(s): Ashlee Beverett

Advisor(s): Hong Qin, PhD

BIO-P11 *Exploring Ribosomal Independent Peptidyl Transferase Activity*

**Presenter/Author: Shelby Wilkes**

Other Author(s): Maya Bryant

Advisor(s): Tiffany Oliver, PhD, George Fox, PhD (University of Houston)

BIO-P13 *An Examination of the Relationship between Variation in PRDM9 and Altered Placement of Recombination on Chromosome 21*

**Presenter/Author: Blair Johnson**

Other Other Author(s): Ariel Harden, Corinthia Wilkerson

Advisor(s): Tiffany Oliver, PhD

BIO-P15 *The Apoptotic Effect of Benzimidazole-Based Sulphonamide (Drug X) on Multidrug Resistant SKOV3 Cells*

**Presenter/Author: Nadege Gitego**

Advisor(s): Rosalind Gregory Bass, MD, Leyte Winfield, PhD

BIO-P17 *Evaluation of In Vitro Organoid Crypt System and Contribution of Fibroblast-Derived Wnt and R Spondin to Stem Cell Niche and Crypt Maintenance*

**Presenter/Author: Charmiah Amie**

Advisor(s): Anna Powolny, PhD, Agnieszka Pastula, MS (University of Munich, Germany)

BIO-P19 *The Role of FSTL3 in the Placenta*

**Presenter/Author: Chelsea Straughn**

Advisor(s): Michael McGinnis, PhD, Abir Mukherjee, PhD (Royal Veterinary College)

BIO-P21 *Impact of Yoga on Basal Heart Rate in College Aged Women*

**Presenter/Author: Faith Kirkland**

Advisor(s): Rosalind Gregory Bass, MD, Felesha Love, MS

BIO-P23 *Understanding the Biophysical Parameters Which Dictate Balance in College-aged Women*

**Presenter/Author: Justice Echols**

Advisor(s): Rosalind Gregory Bass, MD, Felicia Love, MS

BIO-P25 *Obesity Knowledge and Attitudes: Does Health Literacy Matter?*

**Presenter/Author: Assata Thompson**

Advisor(s): Elethia Tillman, PhD, Anna Powolny, PhD, Kimberly Jackson, PhD

BIO-P27 *Effects of Heroin Experience and Development on Nucleus Accumbens Neurons*

**Presenter/Author: Tierra Sanders**

Advisor(s): Karen Brakke, PhD, Kyle Frantz, PhD (Georgia State University Neuroscience Institution), Bradley Cooke, PhD (Georgia State University Neuroscience Institution)

BIO-P29 *Infant Death Rate Due to Neglect of Young Mothers*

**Presenter/Author: Monique Henderson**

Other Other Author(s): Angelique Devonish, Nishja Cornelius

Advisor(s): Michael McGinnis, PhD

BIO-P31 *Mind Over Body: The Correlation between the Nervous System and Obesity*

**Presenter/Author: Lasade Neal**

Advisor(s): Yonas Tekle, PhD

BIO-P33 *Physical Activity, A Trigger and an Aid for Asthmatics?*

**Presenter/Author: Janiece Glover**

Advisor(s): Yonas Tekle, PhD

BIO-P35 *Turmeric as an Alternative Medication*

**Presenter/Author: Angelique DeVonish**

Advisor(s): Yonas Tekle, PhD

BIO-P37 *Major Conflict between Morphology and Genetics in Cochliopodium: Can Species Fusion Explain the Discordance?*

**Presenter/Author: Marie-Dominique Djedjro**

Advisor(s): Yonas Tekle, PhD

BIO-P39 *Effects of Model Selection and Number of Characters in Defining DNA Barcode Gap for Species Delimitation in Cochliopodium*

**Presenter/Author: Lydia Gorfu**

Advisor(s): Yonas Tekle, PhD

BIO-P41 *Quantifying the Impedance of Amoeba as a Measure of Growth*

**Presenter/Author: Erin Johnson**

Advisor(s): Michael McGinnis, PhD

BIO-P43 *Sibling Recognition and Cannibalism in the Larvae of Hippodamia Convergens*

**Presenter/Author: Dene Voisin**

Other Author(s): Candice Gaul

Advisor(s): Jennifer Kovacs, PhD

BIO-P45 *Expression of the Arabidopsis ABC transporter Atwbc19 with a C-terminal GFP fusion*

**Presenter/Author: Kayla Ruby Arroyo**

Advisor(s): Mentewab Ayalew, PhD, Michelle Lang, PhD

BIO-P47 *An Intraspecific and Interspecific Study of Levels of Antibiotic Resistance in Arabidopsis thaliana, Lobelia inflata, and Agastache foeniculum*

**Presenter/Author: Breahna Gillespie**

Advisor(s): Mentewab Ayalew, PhD

BIO-P49 *The Expression Pattern of Photosynthetic Genes in Seeds*

**Presenter/Author: Beryl Oluoch**

Advisor(s): Dongfang Wang, PhD

BIO-P51 *Role of Atwbc19 in kanamycin resistance and sub-cellular localization*

**Presenter/Author: Ceonna Parran**

Advisor(s): Mentewab Ayalew, PhD

**Biology Groups, The Suites Cafeteria 1:45 PM**

BIOG-P1 *Molecular Characterization of Wild Type and G693D/S Missense Mutants of the MSH2 Gene Linked to Hereditary Non-Polyposis Colorectal Cancer*

**Presenter/Author: Mary Cromwell, Jamine Moody, Dominique Whit**e

Advisor(s): Tokunbo Yerokun, PhD

BIOG-P3 *Functional Analysis of MSH2 Using Yeast Model*

**Presenter/Author**: Kiera R. Brown, Christina Fennell, Bongeka Zuma

Advisor(s): Dongfang Wang, PhD

**Chemistry, Science Center, 3rd Floor 1:45 PM**

CHE-P1 *Analysis of C-type Lectin –Like Domains of the African Coelacanth Genome*

**Presenter/Author: Niwa Coleman**

Advisor(s): Leyte Winfield, PhD

CHE-P3 *Chemistry and Education*

**Presenter/Author: Breche' Wells**

Advisor(s): Lisa Hibbard, PhD

CHE-P5 *Tumor Necrosis Factor and Tumor Necrosis Factor Receptors in Coelacanth genes*

**Presenter/Author: Kierra S. Brown**

Advisor(s): Leyte Winfield, PhD

CHE-P7 *Incorporation of Green Chemistry into Spelman’s Organic Chemistry Labs to Increase Undergraduate Knowledge of Sustainability Principles*

**Presenter/Author: Tecia Grier**

Other Author(s): Mariah Bryant

Advisor(s): Shanina Sanders, PhD

CHE-P9 *Comparing 1D and 2D Spectroscopies of NO2*

**Presenter/Author: Phoenix Williams**

Advisor(s): Peter Chen, PhD, Haviland Forrister

CHE-P11 *High Resolution Coherent Two-Dimensional Spectroscopy of SO2*

**Presenter/Author: Jessica Robinson**

Advisor(s): Peter Chen, PhD, Haviland Forrister

CHE-P13 *Multi-step Protein Purification Technique for Crystallization*

**Presenter/Author: Albryona Pope**

Advisor(s): Shanina Sanders, PhD, Armando Albert, PhD (Spanish National Research Council)

CHE-P15 *Catalytic Effect of Pyrite on the Prebiotic Formation of Organic Compounds from Formamide*

**Presenter/Author: Leslie Selden**

Advisor(s): Yassin Jeilani, PhD

CHE-P17 *Effect of Dibenzoylmethane on GR Transactivation in Prostate Cancer Cells*

**Presenter/Author: Emma Iradukunda**

Advisor(s): Kimberly Jackson, PhD, Renee Shaw, MS

**Computer Science, Tapley, 2nd Floor 1:45 PM**

CIS-P1 *What's up There? : Using PEARL to Acquire and Visualize High Resolution Atmospheric Data*

**Presenter/Author: Gisele Izera Munyengabe**

Other Author(s): Jessica Robinson, Jenine McKoy, Najja Ellis

Advisor(s): Peter Chen, PhD, Haviland Forrister

CIS-P3 *Learning Difficulties Middle School Girls Face when Learning Robotics*

**Presenter/Author: Simone Smarr**

Other Author(s): Aisha Jackson, Deaira Little

Advisor(s): Yolanda Rankin, PhD

**Education Studies, Science Center, 1st Floor 1:45 PM**

EDU-P1 *The Emergent Literacy Skills for Students Who are Deaf and Hard of Hearing*

**Presenter/Author: Vaniecia Skinner**

Advisor(s): Nicole Taylor, PhD

**Engineering, The Suites Cafeteria 1:45 PM**

EGR-P1 *R/C to AGV: Programming a Radio Controlled Vehicle to be an Automated Guided Vehicle*

**Presenter/Author: Sarai Neloms**

Advisor(s): Jerry Volcy, PhD, Monica Stephens, PhD

EGR-P3  *“Applying the Methods of the Engineering Design Process to Improve the Design of Water Rockets and Artificial Heart Valves”*

**Presenter/Author: Kayla Dean**

Other Author(s): Ayana Swanson

Advisor(s): Ivana Parker (Georgia Tech), Monica Stephens, PhD

**English, Science Center, 1st Floor 1:45 PM**

ENG-P1 *Calling All Writers: Where are We Headed?*

**Presenter/Author: Darchelle Johnson**

Advisor(s): Tarshia Stanley, PhD

ENG-P3 *Afrofuturism in Gothic Fiction: Using the Gothic to Reappear People of Color*

**Presenter/Author: Rose Pierre-Louis**

Advisor(s): Tarshia Stanley, PhD

**Environmental Science, The Suites Cafeteria 1:45 PM**

ENV-P1 *Diphenyl ditelluride Induced Neurotoxicity*

**Presenter/Author: Faith Reid**

Advisor(s): Lisa Hibbard, PhD, Kennie Shepherd, PhD (Morehouse School of Medicine)

ENV-P3 *Assessing the CO2 Exchange of Wetlands: Padul Site a Case Study*

**Presenter/Author: DeShawn Samad**

Advisor(s): Natarajan Ravi, PhD, Penelope Serrano Ortiz (Andalusian Center for Environmental Studies), Oscar Pérez Priego (Andalusian Center for Environmental Studies)

**Mathematics, Tapley 2nd Floor 1:45 PM**

MAT-P1 *Fibonacci Sequence and Some Applications in Nature*

**Presenter/Author: Kayla Broughton**

Advisor(s): Mohammed Tesemma, PhD

**Philosophy and Religious Studies, Science Center, 1st Floor 1:45 PM**

REL-P1 *Rape Culture: A Way of Practicing Christianity*

**Presenter/Author: Kaitlin Crandall**

Other Author(s): Camille Henderson, Tabatha Holley

Advisor(s): Marilyn Davis, PhD

REL-P3 *Analyzing Religious and Spiritual Attitudes of Spelman College Students across the Years*

**Presenter/Author: Aria Simmons**

Advisor(s): Rosetta Ross, PhD

**Psychology, Science Center, 2nd Floor 1:45 PM**

PSY-P1 *Behavioral Interactions between Termites and Fire Ants that are Restrained or Free Moving*

**Presenter/Author: Angel Gray**

Advisor(s): Duane Jackson, PhD (Morehouse College)

PSY-P3 *The Effect of Congruency in Correcting Healthcare Misconceptions in College Students*

**Presenter/Author: Jennifer Reece**

Advisor(s): Jimmeka Guillory, PhD

PSY-P5 *Environmental Stimuli and Health Decisions in College Students*

**Presenter/Author: Kayla Greene**

Advisor(s): Jimmeka Guillory, PhD

PSY-P7 *The Effect of Parental Distress on Interpersonal Skills and Externalizing Problem Behaviors in Kindergarten Students*

**Presenter/Author: Keonda Preston**

Advisor(s): A. Nayena Blankson, PhD

PSY-P9 *The Impact of Marital Status, Parental Marital Status, and Outlook on the Institution of Marriage on Life Satisfaction*

**Presenter/Author: Shannon Hughley**

Advisor(s): A. Nayena Blankson, PhD

PSY-P11 *The Consequences of Responding Counterstereotypically to Ingroup Members’ Stereotype- Confirming Behaviors*

**Presenter/Author: Christiauna Draper**

Other Author(s): Bianka Charity, Taylor Dawson

Advisor(s): Valerie Jones Taylor, PhD

PSY-P13 *Correcting Student Misconceptions about the Cost of Attending Spelman College*

**Presenter/Author: Yaya Abangma**

Other Author(s): Carly Ragin, Jennifer Reece

Advisor(s): Jimmeka Guillory, PhD

**Public Health, The Suites Cafeteria 1:45 PM**

PUB-P1 *Faith-Based Educational Interventions: A Recommendation to Reduce Breast Cancer Mortality Rates among African American women*

**Presenter/Author: Megan Edmonds**

Advisor(s): Karen Brakke, PhD, Cheryl Holt, PhD (University of Maryland, School of Public

Health), Sherie Santos, MPHD (University of Maryland, School of Public Health)

**Sociology, Science Center, 1st Floor 1:45 PM**

SOC-P1 *Audre Lorde’s Acute Sensitivity and Awareness of Murdered Black Youth*

**Presenter/Author: Sarah Brokenborough**

Advisor(s): Jerry Wever, PhD, Opal Moore, MFA

**Anthropology, Science Center, 1st Floor 2:30 PM**

ANT-P2 *A Look Into Audre Lorde's Fight Against Racism*

**Presenter/Author: Kyana Waters**

Advisor(s): Jerry Wever, PhD, Opal Moore, MFA

**Biology, The Suites Cafeteria 2:30 PM**

BIO-P2 *Are Gut Microbiota the Food Entrainable Oscillator?*

**Presenter/Author: Ada Gil Jimenez**

Advisor(s): Lisa Hibbard, PhD, Alec Davidson, PhD (Morehouse School of Medicine), Oscar Castanon-Cervantes, PhD (Morehouse School of Medicine)

BIO-P4 *Potential Mechanisms Underlying Stress Effects on Neurogenesis*

**Presenter/Author: Melissa Carr-Reynolds**

Advisor(s): Karen Brakke, PhD, Kevin Bath, PhD (Brown University)

BIO-P6 *The Effect of Fetal Bovine Serum Withdrawal on p53 and Prohibitin Expression in SKOV3 Cells*

**Presenter/Author: Christina Fennell**

Advisor(s): Rosalind Gregory Bass, MD

BIO-P8 *IFNAR-1 and Gb3: Defining the Roles of Protein-Glycolipid Interactions in B cells Using Bioinformatics Software, Microarray and PCR Array*

**Presenter/Author: Kennysha Adger**

Other Author(s): Erin Scrivner

Advisor(s): Mark Maloney, PhD, Leonard Anderson, PhD (Morehouse School of Medicine)

BIO-P10 *Alteration of Mitochondrial Bioenergetics and Apoptotic Signaling with Aging in Mice Kidney: The Effects of Calorie Restriction and Dietary Fat*

**Presenter/Author: Jasmine Mason**

Advisor(s): Mentewab Ayalew, PhD, José Villalba, PhD (Department of Cell Biology, Physiology and Immunology at the University of Córdoba)

BIO-P12 *Developing a Method for Detecting VZV Resistance Markers for Acyclovir*

**Presenter/Author: Ekemini Orok**

Advisor(s): Anna Powolny, PhD, Scott Schmid, PhD (Centers for Disease Control and Prevention), Nancy Jensen (Centers for Disease Control and Prevention)

BIO-P14 *EPI-FAIL: Untangling Twisted Messages About Weight Loss at the Cellular & Molecular Level*

**Presenter/Author: Jaael Lewis**

Advisor(s): Yonas Tekle, PhD

BIO-P16 *Angiogenic miRNA found in Exosomes from Endometrial Stromal Cells*

**Presenter/Author: Cadiesha McKenly**

Advisor(s): Rosalind Gregory Bass, MD, Winston Thompson, PhD (Morehouse School of Medicine), Djana Harp, MD (Morehouse School of Medicine)

BIO-P18 *Role of Wnt Signaling and SULF1/SULF2 in Muscle Growth*

**Presenter/Author: Asha Farmer**

Advisor(s): Terezinha Cássia de Brito Galvão, PhD, Gurtej Dhoot, PhD (Royal Veterinary College)

BIO-P20 *Red Blood Cell Ageing and the Ability of their Microparticles to Protect Human Endothelial Cells from Oxidative Stress*

**Presenter/Author: Llewellyn Delsarte**

Advisor(s): Nripendra Bose, PhD

BIO-P22 *Network based Analysis of Copy Number Variation Related Gene Clusters in Health Disparities*

**Presenter/Author: Mislie Jean-Baptiste**

Advisor(s): Hong Qin, PhD

BIO-P24 *Black Hair Care and Its Effects on Wellness*

**Presenter/Author: Kayla Lane**

Advisor(s): Yonas Tekle, PhD

BIO-P26 *Effects of Tobacco Related to Prostate Cancer*

**Presenter/Author: Celene Craig**

Other Author(s): Amelia Quaye, Brittney Gant, Ajanaa DeCarmo

Advisor(s): Michael McGinnis, PhD

BIO-P28 *Microbial Influences in Food Decisions*

**Presenter/Author: Cayla Lowe**

Other Author(s): Corintha Wilkerson

Advisor(s): Hong Qin, PhD

BIO-P30 *Negative Effects of Chocolate on Sleep Pattern and Alternative Remedies*

**Presenter/Author: Courtney Kane**

Advisor(s): Yonas Tekle, PhD

BIO-P32 *Healthy Life Choices Leading to a Healthier You*

**Presenter/Author: Domonique Hatton**

Advisor(s): Yonas Tekle, PhD

BIO-P34 *Sitting Kills, Movement Heals: Effects of Sedentary Lifestyle and Increased Activity on Development of Physical Disability*

**Presenter/Author: Ariel Lecky**

Advisor(s): Yonas Tekle, PhD

BIO-P36 *Cytoskeletal Architecture as a Phylogenetic Tool to a Decipher Amoebozoa Phylogenies*

**Presenter/Author: Isabelle Niyonshuti**

Advisor(s): Yonas Tekle, PhD

BIO-P38 *Analysis of Turn-alternation Behavior in Isopods (Armadillidium vulgare) as Cognitive Function versus Physical Condition*

**Presenter/Author: Ana Cavalieri**

Advisor(s): Michael McGinnis, PhD

BIO-P40 *Investigating Microglia in Zebrafish Model of Late Infantile Neuronal Ceroid Lipofuscinosis*

**Presenter/Author: Syundai Johnson**

Advisor(s): Michael McGinnis, PhD

BIO-P42 *Can Horizontal Organelle Transfer Explain the Discordance between Morphology and Molecules in Cochliopodium*

**Presenter/Author: Jamia Robinson**

Advisor(s): Yonas Tekle, PhD

BIO-P44 *The Novel use of Plessey Electric Field Sensors for Measuring Respiration and Other Physiological Parameters in an Animal Model*

**Presenter/Author: Tamra Neblett**

Advisor(s): Karen Brakke, PhD, Donald Noble (Emory University), Shawn Hochman, PhD (Emory University)

BIO-P46 *Atwbc19: A Member of a Plant Specific Clade of ABC transporters*

**Presenter/Author: Deja Heckard**

Advisor(s): Mentewab Ayalew, PhD

BIO-P48 *Comparison of Pathogenic and Non-Pathogenic Yeast Genomes*

**Presenter/Author: Kaitlyn Jackson**

Other Author(s): Deja Heckard

Advisor(s): Hong Qin, PhD

BIO-P50 *Expression Analysis of Sugar Transporter Genes During Seed Development in Arabidopsis*

**Presenter/Author: Bongeka Zuma**

Advisor(s): Dongfang Wang, PhD

BIO-P52 *Phenotypic Analysis of an Embryo Mutant in Arabidopsis*

**Presenter/Author: Nyla Flowers**

Advisor(s): Dongfang Wang, PhD

**Biology Groups, The Suites Cafeteria 2:30 PM**

BIOG-P2 *Functional Study of Human Mutation of MSH2 in Yeast*

**Presenter/Author:** **Dominique Djedjro, Chezlyn Patton**

Advisor(s): Hong Qin, PhD

BIOG-P4 *Functional Analysis of MSH2 and its Link to HNPCC Cancer*

**Presenter/Author: Courtney Eato, Isabella Fraga de Andrade, Teonna Piphus**

Other Author(s): Advisor(s): Dongfang Wang, PhD

**Chemistry, Science Center, 3rd Floor 2:30 PM**

CHE-P2 *Use of Phosphates to Enhance Yield of Prebiotic Formation of Glycine*

**Presenter/Author: Wangui Hymes**

Other Author(s): Rachel Delsarte

Advisor(s): Yassin Jeilani, PhD

CHE-P4 *Technology to Aid in Chemistry Comprehension*

**Presenter/Author: Sybil Jones**

Other Author(s): Stephanie Lee

Advisor(s): Nripendra Bose, PhD

CHE-P6 *Identification of Organocatalysts to Synthesize Highly Substituted Heterocycles*

**Presenter/Author: Mariah Bryant**

Advisor(s): Shanina Sanders, PhD

CHE-P8 *Computer-aided Drug Discovery for Hormone Refractory Prostate Cancer*

**Presenter/Author: Lydia Ruffner**

Advisor(s): Kimberly Jackson, PhD, Leyte Winfield, PhD, Renee Shaw, MS

CHE-P10 *Introduction to High Resolution Coherent 2D Spectroscopy*

**Presenter/Author: Kyla Ugwu**

Advisor(s): Peter Chen, PhD

CHE-P12 *2D versus 3D Spectroscopy of Bromine*

**Presenter/Author: Kitsi Mahasi**

Other Author(s): Jessica Robinson

Advisor(s): Peter Chen, PhD

CHE-P14 *Questioning the Differences between Us at the Intersection of Race and Genetics*

**Presenter/Author: KaNesha Gillyard**

Other Author(s): Lydia Ruffner, Rosine Dushime

Advisor(s): Kimberly Jackson, PhD, Renee Shaw, MS

CHE-P16 *Evaluation of Cellular Responses Following Androgen Withdrawal on Hormone Sensitive versus Hormone Refractory Prostate Cancer*

**Presenter/Author: Rosine Dushime**

Advisor(s): Kimberly Jackson, PhD, Renee Shaw, MS

CHE-P18 *Chemical Separation and Analysis of Bioactive Licorice Root Forms as Therapy for Prostate Cancer*

**Presenter/Author: Alexandria Sutton**

Advisor(s): Kimberly Jackson, PhD, Marisela Mancia, PhD

**Computer Science, Tapley, 2nd Floor 2:30 PM**

CIS-P2 *Robotics & Autism: How Do I Feel?*

**Presenter/Author: Micaela Hunter**

Advisor(s): Yolanda Rankin, PhD, Yolanda Rankin, PhD

CIS-P4 *Design Specification for Mobile Application Games to Assist With Second Language Acquisition for College Students*

**Presenter/Author: Charniece Huff**

Advisor(s): Yolanda Rankin, PhD

**Engineering The Suites Cafeteria 2:30 PM**

EGR-P2 *Engineering in Water Rockets and Artificial Heart Valves*

**Presenter/Author: Seleste Braddock**

Other Author(s): Jada Hoyle-Gardner

Advisor(s): Monica Stephens, PhD, Ivana Parker (Georgia Tech)

EGR-P4 *The Fiber Alignment of Tubular Hydrogels*

**Presenter/Author: Faith Waldron**

Advisor(s): Lisa Hibbard, PhD, Micheal Tanes (Georgia Tech)

**English, Science Center, 2nd Floor 2:30 PM**

ENG-P2 *Symbiogenetic Imperialism: An Analysis of Imperialism in Octavia Butler’s Dawn and Fledgling*

**Presenter/Author: Briana Dixon**

Advisor(s): Tarshia Stanley, PhD

**Environmental Science, The Suites Cafeteria 2:30 PM**

ENV-P2 *Characterization of Atmospheric Aerosols*

**Presenter/Author: Brittany Jackson**

Advisor(s): Mohammed Tesemma, PhD, Juan Luis Guerrero Rascado, PhD (CEAMA), Lucas Alados Arboledas (CEAMA)

ENV-P4 *Environmental Attitudes of African American College Students*

**Presenter/Author: Haille Perkins**

Other Author(s): Sanura Dewa, Kai Hervey

Advisor(s): Alisa Young, PhD

**Philosophy and Religious Studies, Science Center, 1st Floor 2:30 PM**

REL-P2 *How Religion Affects Sexual Attitudes*

**Presenter/Author: Chantelle Grammer**

Advisor(s): Rosetta Ross, PhD

REL-P4 *Evolution of the Black Church*

**Presenter/Author: Jordan Camp**

Advisor(s): Rosetta Ross, PhD

**Physics, The Suites Cafeteria 2:30 PM**

PHY-P1 *Generating and Classifying Two and Three Dimensional Lattices*

**Presenter/Author: Brianna Stewart**

Other Author(s): Tanaka Sakuringwa

Advisor(s): Natarajan Ravi, PhD, Derrick Hylton, PhD

**Political Science, Science Center, 1st Floor 2:30 PM**

POL-P1 *The Warlord Presidency: In an Era of Expanding Executive Power, Does Congress Still Hold the Power to Declare War?*

**Presenter/Author: Avi Walker**

Advisor(s): Unislawa Williams, PhD, Vance Gray, PhD, Hashim Gibrill, PhD

**Psychology, Science Center, 2nd Floor 2:30 PM**

PSY-P2 *Black College Students' Stigmatized and Socially Distant Attitudes Towards Black Males Who Have Been Incarcerated*

**Presenter/Author: Oluremi Abiodun**

Advisor(s): LaConyea Butler, PhD

PSY-P4 *Exploratory Analysis of Intergenerational Incarceration and the Association between Risk/Protective Factors among High-Risk African American Adolescents*

**Presenter/Author: Akea Shepard**

Advisor(s): Colleen Crittenden-Murray, PhD

PSY-P6 *Female College Anxiety Test*

**Presenter/Author: Nkenji Clarke**

Advisor(s): A. Nayena Blankson, PhD

PSY-P8 *An HIV Prevention Course and Attitudes Toward Condom Use*

**Presenter/Author: Tiara Giddings**

Other Author(s): Mikah Fuller, Shelley McNeil

Advisor(s): Angela Farris Watkins, PhD

PSY-P10 *Suicidal Ideation among African American Male College Students*

**Presenter/Author: Brooke Bell**

Advisor(s): Lydia Odenat, PhD

PSY-P12 *Assessing Changes in Black College Students’ Risk Perception on HIV/AIDS*

**Presenter/Author: Morenikeji Omotoso**

Other Author(s): Nina Thompson, Tyvna McCrae, Alyce Keys

Advisor(s): Angela Farris Watkins, PhD

**Public Health, The Suites Cafeteria 2:30 PM**

PUB-P2 *Examining the Influence of Culturally Sensitive Pre- Screening for Breast and Cervical Cancer in African American Women*

**Presenter/Author: Marissa Robinson**

Advisor(s): Rashid Njai, PhD

**Sociology, Science Center, 1st Floor 2:30 PM**

SOC-P2 *Gender Role Conflicts: Is the Idea of Feminist Black Women in Society Threatening to the Atlantic University Center?*

**Presenter/Author: Briauna Dotson**

Advisor(s): Bruce H. Wade, PhD

**World Languages and Literature, Science Center, 1st Floor 2:30 PM**

FLF-P1 *French Literature Analysis*

**Presenter/Author: Neah Evering**

Advisor(s): Jean Norgaisse, PhD