

HOWARD UNIVERSITY

RESEARCH SYMPOSIUM

April 16, 2015

PROGRAM BOOK



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HOWARD
UNIVERSITY

Research



HOWARD UNIVERSITY

Office of the Associate Provost
Research & Graduate Studies

April 16, 2015

Greetings to the Howard University Family and Friends:

It is with great pleasure that I welcome you to Howard University's Research Symposium 2015. This event provides a wonderful opportunity to showcase the multiplicity of cross-disciplinary and groundbreaking research that has earned the University its unique reputation among institutions of higher education for many years. Approximately 500 faculty, students, and postdocs from the thirteen schools and colleges comprise this year's Research Symposium participants. I congratulate each of the presenter's for their excellent presentations, as well as for their willingness to share their accomplishments. It is my sincere desire that the Research Symposium will strengthen current partnerships, spark new and further collaborations among your colleagues in the coming years.

I would like to take this opportunity to express my gratitude to today's keynote speaker, Dr. Hinestroza, a tenured Associate Professor of Fiber Science, who directs The Textiles Nanotechnology Laboratory at the College of Human Ecology of Cornell University in Ithaca, NY. His presentation today entitled, *Can Nanotechnology be Fashionable?: Tales of Merging Fiber Science and Apparel Design*, will demonstrate the innovative way in which people can collaborate across disciplines.

We are also grateful for the generous support and partnership of our sponsors, the National Science Foundation's HU ADVANCE-IT, Elsevier, the National Science Foundation's Center for Integrated Quantum Materials (CIQM), and Northwestern University. Each of them have booths on the first and second floors of Armour J. Blackburn University Center highlighting research opportunities and resources for faculty and students.

Additionally, I am deeply appreciative of the work of the judges, moderators, and many volunteers who represent a wide range of disciplines and expertise both external to and within the University community. I also thank the Research Symposium Committee for their commitment and dedication to ensuring the success of this event.

Again, I extend warm greetings and gratitude for your contributions to a successful Research Symposium.

Sincerely,



Gary Harris, Ph.D., P.E.



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KEYNOTE SPEAKER:

JUAN HINESTROZA

Dr. Hinestroza, a tenured Associate Professor of Fiber Science, directs The Textiles Nanotechnology Laboratory at the College of Human Ecology of Cornell University in Ithaca, NY. Professor Hinestroza obtained his Ph.D. from the Department of Chemical and Biomolecular Engineering at Tulane University and his B.Sc. in Chemical Engineering from Universidad Industrial de Santander.



Professor Hinestroza works on understanding fundamental phenomena at the nanoscale that are of relevance to Fiber and Polymer Science. Dr. Hinestroza has received over \$5.3 million dollars in research funding for his pioneering work in exploring new pathways for creating multifunctional fibers via manipulation of nanoscale phenomena. In order to explore and understand nanoscale phenomena of relevance to fiber science, he decided to pursue a three-pronged approach as follows: The first branch is aimed at modifying the properties of existing textile products, specifically natural fibers, using nanomaterials. The second approach is aimed at creating novel nanofiber based materials by taking advantage of unique self and directed assembly phenomena. The third effort is aimed at developing metrology and computer simulation tools to better understand traditional issues in textile processing such as friction and electrostatic charging whose influence is magnified at the nanoscale.

Dr. Hinestroza, a US Fulbright Scholar, has also been the recipient of a myriad of awards including the National Science Foundation CAREER Award, the J.D. Watson Young Investigator Award from NYSTAR and the Educator of the Year Award from the Society of Professional Hispanic Engineers. Professor Hinestroza has delivered invited lectures worldwide at Universities and Research Centers in Italy, Korea, China, Japan, Taiwan, Mexico, Spain, Brazil, The Netherlands, Colombia, Argentina, Hungary, Czech Republic, Vietnam, Switzerland, Finland, Austria, France, Singapore, Thailand, Chile, Turkey and Germany. In addition, Professor Hinestroza has received visiting scientist fellowships from The Chubu Foundation for Science and Technology of Japan, The National Council for Scientific and Technological Development in Brazil and The Swiss National Science Foundation.

Moreover, Professor Hinestroza's scientific work has been featured in Nature Nanotechnology, MRS Bulletin, Materials Today, C&E News, National Geographic, ASEE Prism as well as mainstream media outlets such as CNN, Wired, TechReview, The Guardian, Popular Science, ABC News, NYTimes, Reuters, PBS, NPR and BBC. In addition to his scientific endeavors, Professor Hinestroza and his research group are actively involved in community outreach activities aimed at increasing the number of members from underrepresented minority groups in Science, Technology, Engineering and Mathematics as well as engaging senior citizens in collaborative and inter-generational learning experiences.

HOWARD UNIVERSITY RESEARCH DAY

Thursday, April 16, 2015 • Blackburn Center

PROGRAM

7:30 – 8:30 AM

Registration & Continental Breakfast
2nd Floor of Blackburn Center

8:30– 9:00 AM

Greetings

Opening Remarks

Gary L. Harris, Ph.D., PE
ASSOCIATE PROVOST FOR RESEARCH AND
GRADUATE STUDIES

Introduction of Keynote Speaker

Breanna Smith, Undergraduate Student

9:00 – 9:45 AM

Keynote Address

Juan Hinestroza, Ph.D.
ASSOCIATE PROFESSOR OF FIBER SCIENCE &
DIRECTOR OF GRADUATE STUDIES
DEPARTMENT OF FIBER SCIENCE & APPAREL
DESIGN, CORNELL UNIVERSITY

PRESENTATIONS

10:00 AM -12:00 PM

Poster Presentations

Humanities
Social Sciences
Business
Creative Arts & Design
Ethics, Law & Religion
Education & Outreach

Oral Presentations

Physical Sciences & Engineering
Translational & Clinical Sciences
Biological & Biomedical Sciences

1:15 – 4:30 PM

Poster Presentations

Physical Sciences & Engineering
Translational & Clinical Sciences
Biological & Biomedical Sciences

Oral Presentations

Humanities
Social Sciences
Business
Creative Arts & Design
Ethics, Law & Religion
Education & Outreach

ORAL PRESENTATIONS

SESSION I

10:00AM-11:00AM | FORUM | BIOLOGICAL & BIOMEDICAL SCIENCES

Presenter: **Emmanuel Akala**, Senior Faculty
Computer Optimization of Nanoparticle Fabrication for Cancer Chemotherapy

Presenter: **Fatimah Jackson**, Senior Faculty
Research Priorities and Direction for the Cobb Research Laboratory

Presenter: **Meirong Liu**, Junior Faculty/ Lecturer/ Instructor
A conceptual model on evaluating disadvantaged population's access to social benefits

Presenter: **Syed Mehdi Nourai**, Junior Faculty/ Lecturer/ Instructor
Behavior modification in chronic disease, disparity between African American and Caucasian

Presenter: **Priscilla Okunji**, Junior Faculty/ Lecturer/ Instructor
Length of stay of inpatients HIV/AIDS with mental and behavioral disorders: 2007 vs 2010 discharges in U. S

10:00AM-11:00AM | GALLERY LOUNGE BIOLOGICAL & BIOMEDICAL SCIENCES

Presenter: **Hassan Brim**, Junior Faculty/ Lecturer/ Instructor
A Microbiomic analysis in African American with Colonic Lesions

Presenter: **Mezbah Faruque**, Junior Faculty/ Lecturer/ Instructor
Association of Genetic Variants in the CRYBB2 Gene with Prostate Cancer Risk in African Americans

Presenter: **Catalin Filipeanu**, Junior Faculty/ Lecturer/ Instructor
Molecular determinants of the human $\alpha 2C$ -adrenergic receptor temperature-sensitive intracellular traffic

Presenter: **Marina Jerebtsova**, Junior Faculty/ Lecturer/ Instructor
Impaired pulmonary macrophage migration in HIV-1 transgenic mouse model of LPS-associated lung disease

Presenter: **Bernard Kwabi-Addo**, Junior Faculty/ Lecturer/ Instructor
Differential Epigenetic Alterations and Prostate Cancer Disparity

10:00AM-11:00AM | READING ROOM | BIOLOGICAL & BIOMEDICAL SCIENCES

Presenter: **Chanell Boyd**, Undergraduate Student
Screening for Adult Lung Stem Cells within the Alveolar Type 2 Population

Presenter: **Regina Bruce**, Undergraduate Student
Arthritis in the Cobb Collection

Presenter: **Kelley Butler**, Undergraduate Student
Microglia: A Possible Therapeutic Target for Alzheimer's Disease

Presenter: **Ashley Canada**, Undergraduate Student
How the environment affects our health

Presenter: **Miah Davis**, Undergraduate Student
The Biochronicity of Regulatory Networks during Cellulose Fermentation in Neurospora Crassa

10:00AM-11:00AM | ROOM 148 | BIOLOGICAL & BIOMEDICAL SCIENCES

Presenter: **Edmund Ameyaw**, Graduate Student
Modelling Clustered Multivariate Binomial Data: Application to the Joint Modeling of HCV and HIV Co-Infection

Presenter: **Christopher Cross**, Graduate Student
Investigating Mental Health Phenotypes and their underlying Genetics in African Americans using an in silico Approach

Presenter: **Francis Erebholo**, Graduate Student
Application of the Disposition Model to Correlated Binary Outcomes in the Presence of Ignorable Missing Data: A Likelihood-based Approach

Presenter: **Mamatha Garige**, Graduate Student
Curcumin Inhibits Cell Signaling and Cell Adhesion in Dictyostelium discoideum: Putative Role of Glutathione S-transferases

Presenter: **Yonis Geberemariam**, Graduate Student
Gender and the Association of Smoking with Sleep Quantity and Quality in American Adults

10:00AM-11:00AM | ROOM 150 | BIOLOGICAL & BIOMEDICAL SCIENCES

Presenter: **Dylan Bezzini**, Professional Student
Venous Thromboembolism Outcomes of Partial Colectomies in Patients with Colon Cancer: The Role Operative Time

Presenter: **Sirisha Donekal**, Post Doc/ Resident/ Fellow/ Research Associate
Cardiac involvement in granulomatosis with polyangiitis (c-ANCA Vasculitis)

Presenter: **Manjot Kaur**, Professional Student
Maxilla, Mandible and Teeth in a Partial 18q Trisomy

Presenter: **Namita Kumari**, Post Doc/ Resident/ Fellow/ Research Associate
Inhibition of EBOV with Novel Phenyl-1-pyridin-2-yl-ethanone (PPY)-based Iron Chelators

Presenter: **P Kurian**, Post Doc/ Resident/ Fellow/ Research Associate
Quantum Entanglement in DNA: From Information Storage to the Holographic Genome

10:00AM-11:00AM | WEST BALLROOM PHYSICAL SCIENCES & ENGINEERING

Presenter: **Tina Brower**, Post Doc/ Resident/ Fellow/ Research Associate
Adsorption of Cations onto Graphene Surface for Tuning the Band Gap and Hierarchical assembly of 2D materials

Presenter: **Preethi Chandran**, Junior Faculty/ Lecturer/ Instructor
High resolution nanoscale mapping of cartilage mechanical properties

Presenter: **Jasmine Gordon**, Undergraduate Student
Production of Biogas from Human and Kitchen Waste

Presenter: **Gina Greenidge**, Graduate Student
The Effect of Adsorbed Gases on the Raman Image of Graphene

Presenter: **Lauren Summers**, Undergraduate Student
Growth Responses of Rhizobium leguminosarum to Plant-derived Terpenes, Thymol and Carvacrol

10:00AM-11:00AM | AUDITORIUM | PHYSICAL SCIENCES & ENGINEERING

Presenter: **Yaolin Liu**, Post Doc/ Resident/ Fellow/ Research Associate
Impacts of Nanomaterials on Bacterial Growth, Biofilm Formation, and Microbial Community Function

Presenter: **Narcisha Norman**, Post Doc/ Resident/ Fellow/ Research Associate
Investigating 4.2K Cooling Approaches for 100W Load & Develop 4.2K/77K Dewar Design Concept

Presenter: **Malaisamy Ramamoorthy**, Post Doc/ Resident/ Fellow/ Research Associate
Fouling Control Strategies in Cross-Flow Microfiltration of Soluble Inorganics during Nuclear Waste Treatment

Presenter: **Jose Vega-Guzman**, Post Doc/ Resident/ Fellow/ Research Associate
Combined optical solitons in nonlinear metamaterials

Presenter: **Ang Yu**, Post Doc/ Resident/ Fellow/ Research Associate
Green's Function Calculation for Retrieving Electric Parameters of Subsurface Objects with Landmine Detection Application

10:00AM-11:00AM | HILLTOP 1 | PHYSICAL SCIENCES & ENGINEERING

Presenter: **Diego Buitrago**, Graduate Student
Simulation of Seismic Failure Mechanisms in Reinforced Concrete Frames Using Analytical Tools and Experimental Data

Presenter: **Daniel Casimir**, Graduate Student
Investigation of Thermal Expansion Properties of Single Walled Carbon Nanotubes by Raman Spectroscopy and Molecular Dynamics Simulation

Presenter: **Skander Chaouch-Bouraoui**, Graduate Student
Fourier Transforms in Aperture Antennas

Presenter: **Raul Garcia-Sanchez**, Graduate Student
The Effect of Thermal and Gas Exposure Effects on the Raman Spectroscopy of Gas Sensor Nanomaterials

Presenter: **David Greene**, Graduate Student
Accelerating Ground Penetrating Radar Image Reconstruction using Graphics Processing Units

10:00AM-11:00AM | HILLTOP 2 | TRANSLATIONAL & CLINICAL SCIENCES

Presenter: **Derek Afflu**, Professional Student
Infrainguinal arterial reconstruction is associated with significant postoperative morbidity

Presenter: **Stanley Aladi**, Professional Student
Is Endovascular Intervention for Claudication a Safe and Easy Option?

Presenter: **Lauren Bacon**, Professional Student
The Disparity Persists: Socioeconomic Status and Bariatric Surgery in African American Patients

Presenter: **Dilhana Badurdeen**, Post Doc/ Resident/ Fellow/ Research Associate
Colorectal cancer disparities between Blacks and Hispanics: Healthcare utilization versus biological differences

SESSION II

11:00AM-12:00PM | AUDITORIUM | BIOLOGICAL & BIOMEDICAL SCIENCES

Presenter: **Sergei Nekhai**, Senior Faculty
Protein Phosphatase-1 as a Target for Antiviral Small Molecules against Ebola Infections

Presenter: **Nathan Smith**, Junior Faculty/ Lecturer/ Instructor
Skeletal morphometrics and phylogenetic relationships accurately predict body mass in the diverse “Waterbird” clade (Tetrapoda, Aves)

Presenter: **Karl Thompson**, Junior Faculty/ Lecturer/ Instructor
NsrR regulation of Small RNA RybB and RpoE in Escherichia coli

Presenter: **Linda Thompson**, Junior Faculty/ Lecturer/ Instructor
Childhood Overweight/Obesity Among Youth Living in Food Insecure Households: Contributing Factors

Presenter: **Gezahegn Tolla**, Junior Faculty/ Lecturer/ Instructor
Thymic involution during murine Toxoplasma gondii infection is dependent on the immunodominant surface antigen SRS29B (SAG1)

11:00AM-12:00PM | HILLTOP 1 | BIOLOGICAL & BIOMEDICAL SCIENCES

Presenter: **Samantha Jeffrey**, Undergraduate Student
Something Borrowed, Something New: Ancient African and Today’s Medical Treatments

Presenter: **Nia Johnson**, Undergraduate Student
Feeding and Ovoposition Responses of Insect Herbivores to Ni-hyperaccumulating Plants

Presenter: **Elexus Mays**, Undergraduate Student
Environmental Degradation of the Black Community

Presenter: **Chandler Puritty**, Undergraduate Student
Exploring Plant Defenses against Herbivory in the Brassicaceae: Trade-Off or Joint Defense?

Presenter: **Khadyja Sarr**, Undergraduate Student
Capturing and Isolation of Sagar

11:00AM-12:00PM | ROOM 148 | BIOLOGICAL & BIOMEDICAL SCIENCES

Presenter: **Partha Mitra**, Post Doc/ Resident/ Fellow/ Research Associate
Toxicogenomics of Persistent Organochemical Exposure: Pathway to Predictive Biomarker(s) for Disease Risk

Presenter: **Ololade Ogundimu**, Professional Student
Bariatric Surgery Outcomes in Black Patients with Super Morbid Obesity

Presenter: **Oluwatosin Omole**, Post Doc/ Resident/ Fellow/ Research Associate
Nigeria's Public Health Response to the Ebola Outbreak: Critical Lessons for Health Systems Strengthening in Africa

Presenter: **Swetha Parvathaneni**, Graduate Student
Identification of the DNA double strand break sensor complex as a novel functional partner of RECQ1 helicase

Presenter: **Furqan Sami**, Post Doc/ Resident/ Fellow/ Research Associate
Functional Implications of Mutations of Highly Conserved Cysteine Residues in the RQC Domain of RECQ1.

11:00AM-12:00PM | ROOM 150 | BIOLOGICAL & BIOMEDICAL SCIENCES

Presenter: **Laricca London-Thomas**, Graduate Student
RyhB and FnrS small regulatory RNAs stimulate expression of the Escherichia coli anti-sigma Factor RseA

Presenter: **Abiye Mekonnen**, Graduate Student
Effects of Flow Shear Rate and Nutrient Concentration on the application of Antibacterial Agents to Staphylococcus aureus biofilms

Presenter: **Sheresa Mills**, Graduate Student
The Effects of History of Falls on Confidence Among Older Adults' Participation in Basic and Instrumental Activities of Daily Living

Presenter: **Nima Moradi Majd**, Graduate Student
The Main Reasons for Excluding Articles from Systematic Review and Meta-Analysis

Presenter: **Charles Ogindo**, Graduate Student
The Use of Molecular Modeling to Design a Safe and Effective Drug for Chagas Disease

11:00AM-12:00PM | WEST BALLROOM | BIOLOGICAL & BIOMEDICAL SCIENCES

Presenter: **Apre Gleaves**, Undergraduate Student
Analysis of Egusi Seed Oil

Presenter: **Nicholas Guthrie**, Undergraduate Student
Prevalence and anatomical evidence of Treponemal Infection in the Cobb Collection

Presenter: **Terinney Haley**, Undergraduate Student
Determining the Effect of Graphene Oxide on Pseudomonas aeruginosa Growth

Presenter: **Samantha Hawthorne**, Undergraduate Student
Ag/BSA Nanoparticles Loaded Collagen Grafted PHBV Scaffold: Antimicrobial and Cytotoxicity Evaluation

Presenter: **J' Aron Heard**, Undergraduate Student
Effects of Different Environmental Storage Conditions on aDNA Degradation: Implications for aDNA extraction from the Cobb Collection

Presenter: **Brian Oliver**, Professional Student
Neural signaling in the olfactory bulb through activation of metabotropic glutamate and cannabinoid receptors

11:00AM-12:00PM | GALLERY LOUNGE | PHYSICAL SCIENCES & ENGINEERING

Presenter: **Marai Hayes**, Undergraduate Student
Antimicrobial and Cytotoxicity study of Silver Chloride/ Poly (3-hydroxybutyrate-co-3-hydroxyvalerate) (AgCl/PHBV) Film: A Potential Scaffold for Bone Tissue Regeneration

Presenter: **Kendra Jones**, Undergraduate Student
The Role of Subchondral Bone in the Progression of Load-Induced Osteoarthritis

Presenter: **Tabia Muhammad**, Undergraduate Student
The Hidden Russia

Presenter: **Roshil Paudyal**, Undergraduate Student
A Wind Power Prediction Model

Presenter: **Roshan Thapaliya**, Undergraduate Student
Using Crowd Simulation to Suggest Efficient Evacuation in Emergency Situation

11:00AM-12:00PM | HILLTOP 2 | PHYSICAL SCIENCES & ENGINEERING

Presenter: **Efosa Igbiginun**, Graduate Student
Graphene Oxide - Functionalized Polyethersulfone Membrane to Mitigate Organic Fouling during Water Treatment

Presenter: **Trey Morris**, Graduate Student
Proper-Time Model for the Hydrogen Atom

Presenter: **Mpho Musengua**, Graduate Student
Growth of graphene on different substrates

Presenter: **Henry Ogoronjo**, Graduate Student
MM-Based Algorithms for Landmine and IEDs Reconstruction Using Step-Frequency GPR Data

Presenter: **Moses Ukaoma**, Graduate Student
Biotransformation and Bioaccumulation of Polychlorinated Biphenyls (PCBs) in Earthworms in Vermicompost Bioreactors

11:00AM-12:00PM | READING ROOM | TRANSLATIONAL & CLINICAL SCIENCES

Presenter: **Samina Afreen**, Post Doc/ Resident/ Fellow/ Research Associate
Gender and Trends in Chronic Obstructive Lung Disease Prevalence, Morbidity, and Mortality among Adults - United States, 1999-2010

Presenter: **Janalyn Cantey Edmonds**, Junior Faculty/ Lecturer/ Instructor
Claustrophobic Tendencies: A Risk for CPAP Non-adherence

Presenter: **Adeyinka Laiyemo**, Junior Faculty/ Lecturer/ Instructor
Will charging a penalty for no show to outpatient colonoscopy appointment improve compliance?

Presenter: **Brian Laurence**, Senior Faculty
An exploratory analysis of comorbid conditions associated with hospital admission among patients with head and neck cancer

Presenter: **Julius Ngwa**, Junior Faculty/ Lecturer/ Instructor
Pulse Pressure and Systolic Blood Pressure Associated with Hippocampal Volume by Apolipoprotein $\epsilon 4$ (APO $\epsilon 4$) Carriers and Alzheimer Disease Status: Alzheimer's Disease Neuroimaging Initiatives (ADNI) Study

11:00AM-12:00PM | FORUM | TRANSLATIONAL & CLINICAL SCIENCES

Presenter: **Michelle Smith-Hawley**, Undergraduate Student
Nutritional Interventions for addressing the health disparities of Obesity

Presenter: **Keeshaloy Thompson**, Graduate Student
Metabolism Studies of Specific $\alpha 4\beta 2$ Nicotinic Acetylcholine receptor Ligands

Presenter: **Brandi Walker**, Graduate Student
Transculturalism

Presenter: **Esther Poswal**, Graduate Student
Response to Handwriting Intervention in Kindergarten to 1st Grade Children

Presenter: **Stephanie Purnell**, Professional Student
Revision of Roux-En-Y Gastric Bypass for Weight Regain: A Systematic Review of Techniques and Outcomes

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SESSION III

1:15PM-2:15PM | GALLERY LOUNGE | BUSINESS

Presenter: **Isaac Bonaparte**, Junior Faculty/ Lecturer/ Instructor
Internal control material weakness and directors reputational consequence

Presenter: **B. Paul Choi**, Senior Faculty
Liquidity Transformation: An Examination of U.S. Life Insurers

Presenter: **Maru Etta-Nkwelle**, Senior Faculty
Growth in International Reserves: Does Size Matter?

Presenter: **Maryam Khan**, Senior Faculty
A critical analysis of food waste and recovery

Presenter: **Anupam Kumar**, Junior Faculty/ Lecturer/ Instructor
Gresham's Law for Environmental Practices

1:15PM-2:15PM | AUDITORIUM | EDUCATION & OUTREACH

Presenter: **Jamal Jones**, Post Doc/ Resident/ Fellow/ Research Associate
Filling the Gap by Example: Analyzing the relationship between mentors and the development of academic motivation in African American Male Students

Presenter: **Jennifer Obi**, Post Doc/ Resident/ Fellow/ Research Associate
Perception of pain and pain management amongst residents in training

Presenter: **Faun Rockcliffe**, Graduate Student
A Social Cognitive Investigation into the Relationship between Faculty Instructional Effectiveness and Student Achievement

Presenter: **Charles Verharen**, Senior Faculty
Education as the Cornerston of Ethical Sustainable African Development

Presenter: **Amy Yeboah, Ph.D.**, Junior Faculty/ Lecturer/ Instructor
The Mis-education of Moynihan: The Role of Black Women in the Academic Excellence Gap

1:15PM-2:15PM | HILLTOP 1 | ETHICS, LAW & RELIGION

Presenter: **Cecil Duffie**, Graduate Student
"How I got over!": Comparing the growth of spiritual formation in students on Historically Black College Campuses with Chapels

Presenter: **Ardaine L. Gooden**, Graduate Student
Desiring Masculinity: An Inquiry into the Subversive Praxis of Male on Male Rape

Presenter: **Terence Mayo**, Graduate Student
A Critical Evaluation of President Obama's Faith-Based Domestic Policies

1:15PM-2:15PM | ROOM 148 | SOCIAL SCIENCES

Presenter: **Judy Agwu**, Graduate Student
Lifestyle Behaviors on Weight Gain Among First Time African American College Students

Presenter: **Brandon Beasley**, Graduate Student
“Is there a direct correlation between the mass incarceration of African-Americans’ and the destruction of the African-American family?”

Presenter: **Christian Dotson-Pierson**, Graduate Student
Sport sells: Athletes, advertising and pop culture

Presenter: **Michelle Dovil**, Graduate Student
Women Bear the Brunt of War and Disaster: An Analysis of Sexual Violence Against Women During Disasters

Presenter: **Gabrielle Downer**, Graduate Student
A Bittersweet Deal: Puerto Rican and West Indian Contract Labor in the United States 1940-1970

1:15PM-2:15PM | ROOM 150 | SOCIAL SCIENCES

Presenter: **Janel M. Gill**, Graduate Student
The Role of Comfort with Uncertainty in H1N1 Vaccination Decisions

Presenter: **Aitza Haddad**, Graduate Student
Broadcast Ownership: The ongoing struggle for equal access by women and minorities

Presenter: **Zuleka Henderson**, Graduate Student
In Their Own Words: How African American Adolescents Explain Trauma and Healing

Presenter: **Kelli Hill**, Graduate Student
Closing the Gap: An Analysis of Parent—Adolescent Communication and Social Components Guiding Adolescents’ Academic Well-Being

Presenter: **Mary Katherine Howell**, Graduate Student
Writing Trauma Narratives Increases Temporal Organization & Decreases Subjective Distress

1:15PM-2:15PM | FORUM | SOCIAL SCIENCES

Presenter: **Monica R. Jackson**, Graduate Student
Exploring A Conceptualization of College Students' Religious and Spirituality Perceptions, Beliefs, and Practices for Spiritual Identity and Student Development in Higher Education

Presenter: **Benjamin Machar**, Graduate Student
Building a Culture of Peace through Dialogue in South Sudan

Presenter: **Chloe Martin**, Graduate Student
The Journal of Black Psychology and The Journal of Cultural Diversity and Ethnic Minority Psychology: A Co-Word Analysis

Presenter: **Husain Murad**, Graduate Student
Higher Education in Kuwait: A case study of journalism and Mass Communication Curriculum at Kuwait University

Presenter: **Chioma Oruh**, Graduate Student
Imperialism, Rape and the Congo Predicament

1:15PM-2:15PM | HILLTOP 2 | SOCIAL SCIENCES

Presenter: **Cortney Robinson**, Undergraduate Student
Economic Empowerment: A Triangulative Analysis of Techniques to Increase African American Wealth and Financial Stability Using the Capitalist and Elite Theories

Presenter: **Kailyn Stuckey**, Undergraduate Student
Hitting Close to Home: Analyzing the Political and Social Similarities between the Kurdish Question and African Americans Utilizing the Peace through Power Paradigm and the Stratification Theory

Presenter: **Devon Washington**, Undergraduate Student
Conservatism's Child: Examining the Reagan Presidency in Post- Civil Rights America

Presenter: **Taylor Washington**, Undergraduate Student
The Use of the Apologia Theory to Mitigate Damage to a Celebrity's Image and Career

Presenter: **D' Sean Williams-Brown**, Undergraduate Student
Cultural Learning in Post-racial America: A Triangulative Analysis of the Political Behavior of Blacks in the 21st Century Using the Social Closure Theory

SESSION IV

2:15PM-3:15PM | HILLTOP 1 | CREATIVE ARTS & DESIGN

Presenter: **Brookie Madison**, Undergraduate Student
A picture tells a thousand words: How viewers perceive Black Women

Presenter: **Monique Major**, Graduate Student
Major Themes, Trends and Relationships within The Creativity Research Journal

2:15PM-3:15PM | ROOM 148 | EDUCATION & OUTREACH

Presenter: **Sheila Brooks**, Graduate Student
Written

Presenter: **Valencia Perry**, Graduate Student
Paragraph Writing in Adolescent Hispanic Students: A Mixed Methods Investigation

Presenter: **Eshani Way**, Undergraduate Student
Capitalism Stunts the Growth of a Green Planet

2:15PM-3:15PM | READING ROOM | ETHICS, LAW & RELIGION

Presenter: **Davynte Pannell**, Undergraduate Student
It's My Life, I Can Die If I Want To

Presenter: **Yvonne Salazar**, Graduate Student
I Will Make You the Head and Not the Tail: The Legitimation of Jephthah (Judges 10:6 -12:7)

Presenter: **Tiffany Brockington**, Undergraduate Student
Fulfilling the Great Commission the Africana Way

2:15PM-3:15PM | AUDITORIUM | HUMANITIES

Presenter: **Cherish Barnwell**, Graduate Student
Cultivating Spirituality: A Systematic Study of the Sci Fi Film Experience

Presenter: **Sonia Mae Brown**, Graduate Student
The Epistemology of Baldwin's Closet

Presenter: **Karen Drake**, Graduate Student
Women of the World: "Globalizing" Cultural Identity, Preserving Self

Presenter: **Naglaa Hussein**, Graduate Student
Identity Politics of Nation, Color, Language and Land in the Literature of Nubian Egyptians

Presenter: **Alla Tovaes**, Senior Faculty
Shevchenko and Aldridge: The dialogic chronotope of the legendary friendship

2:15PM-3:15PM | HILLTOP 1 | HUMANITIES

Presenter: **Taylor Lewis**, Undergraduate Student
It's Coming...When?

Presenter: **Olivia Pearson**, Undergraduate Student
The Chickens Have Been Home Roosting: A Critical Analysis of the American Media's Role in Promoting Propaganda that Shapes the Role of the American Hero in Cinema

Presenter: **Sarah Porter**, Undergraduate Student
The Logic of Sanctions: Russian Effects

2:15PM-3:15PM | FORUM | SOCIAL SCIENCES

Presenter: **Kamilah Majied**, Senior Faculty
Marriage Equality and African American Families

Presenter: **Benoit Schmutz**, Junior Faculty/ Lecturer/ Instructor
Job search and migration in a system of cities

Presenter: **Joanna Smith**, Graduate Student
Warnings of Possible Racism Reduces Social Needs/Moods Damage When Whites (versus Blacks) Ostracize African-Americans

Presenter: **Quito Swan**, Senior Faculty
Pauulu's Diaspora: Black Power & Pacific Crossroads

Presenter: **Alisa Valentin**, Graduate Student
The Commodification of Diversity on Primetime Television

2:15PM-3:15PM

ROOM 150

SOCIAL SCIENCES

Presenter: **Marissa Gentry**, Undergraduate Student
Outside Looking In: The Professional Sports Industry

Presenter: **Danesha Grady**, Undergraduate Student
How Stress is Affected by Classification

Presenter: **La'Trista Harris**, Undergraduate Student
Supporting and Shampooing: The Emotional Labor of African American Hair Stylists as Beauty Therapists

Presenter: **Ricco Hill**, Undergraduate Student
Reassembling Emotional Intelligence (EI): How Can Current EI Models Inform Future Theoretical Frameworks?

Presenter: **Aminah Jackson**, Undergraduate Student
African Dance and Healing

2:15PM-3:15PM

HILLTOP 2

SOCIAL SCIENCES

Presenter: **Shareen Woody**, Undergraduate Student
Exacerbating an Epidemic: Gentrification's Adverse Affect on HIV/ AIDS Viral Suppression and Prevention

Presenters: **Mary Morall and Kori Burrell**, Undergraduate Students
Cultural Analysis of the Likelihood to Breastfeed in Relation to the Duration of Time Spent in the United States of Afro-Caribbean, Hispanic and African-American Women

Presenter: **Danielle Scott**, Undergraduate Student
Neo-Colonialism at the Heart of the Pan-African Movement: Analyzing the Effects of China's Economic Practices in the Republic of Ghana Utilizing the Triangulative Approach and the Dependency Theory

SESSION V

3:15PM-4:15PM | FORUM | HUMANITIES

Presenter: **Avery Allen**, Undergraduate Student
An Examination of Product Placement on African American Youth Consumer Habits

Presenter: **Ayah Belal**, Undergraduate Student
Demographical Change and Russia's Growing Problem

Presenter: **Ciara Grubbs**, Undergraduate Student
The Birth of Identity: An Analysis of Sapphire's Push as a Modern Slave Narrative

Presenter: **Brandale Mills**, Graduate Student
Julia and the Scandal of regression in stereotypes in prime-time network television

Presenter: **Cherie Ward**, Graduate Student
Using Poetry as a Communication Multimodality to Engage African American Learners with Mild Intellectual Disabilities in Reading: A Case Study

3:15PM-4:15PM | AUDITORIUM | SOCIAL SCIENCES

Presenter: **JoAnn Alia**, Undergraduate Student
Frequency Domain Estimates of Heart Rate Variability During The Presentation of Music of Varying Rhythms

Presenter: **Mckincy Bass**, Undergraduate Student
African and Asian Traditional Medicine in a Comparative Modern Perspective

Presenter: **Mikala Burt**, Undergraduate Student
Adopting appropriate technology for Africa: learning to select the right fits for innovation and development

Presenter: **Keadrick Peters**, Graduate Student
"Down Goes Trayvon, Jordan, Mike, and Eric: Exploring how the Social Confines of Whiteness Kills Every 28 Hours and Strategies to Remain Breathing in the Era of Obama"

Presenter: **Verdell Wright**, Graduate Student
It's in the Text, Pastor: A Policy Analysis of Black Denominations' Attitude toward LGBTQ People

3:15PM-4:15PM | HILLTOP 1 | SOCIAL SCIENCES

Presenter: **Elonn Rahdri**, Graduate Student
Women's Trust in Internet Cancer Sources: The Impact of Response Efficacy Efficacy, Self-Efficacy, Race, Age, Education, and Income

Presenter: **Shadya Sanders**, Graduate Student
38 Minutes, the Missouri Disaster: A meteorological and sociological analysis of the Joplin tornado

Presenter: **Cassandra A. Shivers**, Graduate Student
The Effects of Values on Security Policy Evaluations

Presenter: **Leticia Williams**, Graduate Student
A Buzzword for Gentrification: A Critical Ethnography of Historical Preservation as a Revitalization Strategy of LeDroit Park

Presenter: **Keenan Woods**, Graduate Student
Effects of Culturally Relevant Pedagogy and Autonomy Supportive Climates on African American Reading Comprehension

3:15PM-4:15PM | ROOM 148 | SOCIAL SCIENCES

Presenter: **Ashley Cleaves**, Undergraduate Student
Ain't I a Woman? The Impact of Race on Women Involved in Political Sex Scandals

Presenter: **Kayla Daniels**, Undergraduate Student
Voter Identification Laws: A Poll Tax in the 21st Century

Presenter: **Danielle Davis**, Undergraduate Student
Treatment via Tresses: How Natural Hair Blogs Provide Psychological Support for African American Women

Presenter: **Kareem El**, Undergraduate Student
Slave Morality and Black America

Presenter: **Vedanna-Kaye Laidley**, Undergraduate Student
Black Woman in America: The Tragedy of Identity

Presenter: **Udodilim Nnamdi**, Undergraduate Student
Re-Conceptualizing Rwandan Transitional Justice: A Qualitative Analysis of Civil Society, Local Norms, and Receptivity in Post-Conflict Reconciliation

Presenter: **Chinwe Obodo**, Undergraduate Student
The Revolution Will Not Be Televised It Will Be Tweeted, Instagramed and Vined: The Impact of Social Media and Citizen Journalism during Social Unrest In Ferguson, Missouri

Presenter: **Jerard Paige**, Undergraduate Student
The Economics of Segregation: The Racial Ecology of Hinds County, Mississippi

Presenter: **Devin Riley**, Undergraduate Student
German-Soviet Nonaggression Pact

Poster Exhibition

Chantel Acevero and Tara Spencer, Undergraduate Student, Bio & Biomedical Sciences
Capturing and taming of the mycobacteriophages Benji3 and R0ndNuag3

Christianah Ademuwagun, Undergraduate Student, Bio & Biomedical Sciences
Collection, Identification, and Analysis of Plant Species found in the forest of Wheaton Regional Park, Montgomery County, MD

Elizabeth Adeyemi, Professional Student, Bio & Biomedical Sciences
Mortality Rate of Myocardial Infarction Patient Long-Term survival Revisited

Ali Afsari, Post Doc/ Resident/ Fellow/ Research Associate, Bio & Biomedical Sciences
Clinical and pathological risk factors of Fibrosis progression in African Americans with chronic Hepatitis C

Sadhna Ahuja, Post Doc/ Resident/ Fellow/ Research Associate, Bio & Biomedical Sciences
Meta-analysis of MSI rate in colorectal cancer, effect of race and clinical factors

Ameenat Akeeb, Post Doc/ Resident/ Fellow/ Research Associate, Bio & Biomedical Sciences
The Role of Trauma Type in the Risk for insomnia

Ahmed Ali, Post Doc/ Resident/ Fellow/ Research Associate, Bio & Biomedical Sciences
Rare case of Plasma cell leukemia presents with a chest wall mass

Maram Almohaywi, Graduate Student, Bio & Biomedical Sciences
Rapid genetic engineering of Bacteriophage P22 lysogens by Bacteriophage λ -based recombineering to create "P22 Challenge Phage" for in-vivo analysis of Protein-DNA interactions

Tatiana Ammosova, Junior Faculty/ Lecturer/ Instructor, Bio & Biomedical Sciences
Optimization of PPI-targeting Small Molecule EBOV Inhibitors

Joycemary Amponsem, Undergraduate Student, Bio & Biomedical Sciences
Isolating and Purifying JunBug39 From Its Host Mycobacterium smegmatis

Hassan Ashktorab, Senior Faculty, Bio & Biomedical Sciences
Targeted cancer gene sequencing identifies potential causative novel candidate mutations in African Americans colon carcinogenesis

Joseph Aubee, Graduate Student, Bio & Biomedical Sciences
The i6A37 tRNA modification contributes to RpoS translation via efficient recognition of UXX-Leucine codons in Escherichia coli

Adore Bagasao, Undergraduate Student, Bio & Biomedical Sciences
Purification and Characterization of Mycobacteriophage: Jacksonphage25 and Bagasao1

Kristen Bailey, Undergraduate Student, Bio & Biomedical Sciences
Drug Delivery: Encapsulated Zeolite H-Y under Simulated Body Conditions

Diamonds Banks, Undergraduate Student, Bio & Biomedical Sciences
The Acquisition, Confirmation and Purification of TITAGA using Host Mycobacterium smegmatis

Isaac Biney, Post Doc/ Resident/ Fellow/ Research Associate, Bio & Biomedical Sciences
Shock Index as a Predictor of Outcomes in Patients with Septic Shock

Ruby Boateng, Graduate Student, Bio & Biomedical Sciences
ETR-1, an ELAV-type RNA binding protein, may play a role in regulating germline apoptosis in Caenorhabditis elegans

Rachel Branham, Undergraduate Student, Bio & Biomedical Sciences
Acute Isometric Exercise on Autonomic Function in African Americans

Honoree' Brewton, Undergraduate Student, Bio & Biomedical Sciences
Immature Neuron Population in the Amygdala of Cognitively Declining Monkeys: an Alzheimer's Study

Jessica Broaden, Undergraduate Student, Bio & Biomedical Sciences
Collecting, Purifying, and Analyzing Bacteriophages (Phages)

Ivory Bryan, Undergraduate Student, Bio & Biomedical Sciences
Hearing Lost and Deafness and the Effects on Development

Brittany Burton, Undergraduate Student, Bio & Biomedical Sciences
Public Opinion of African Americans in the Media-How do we view ourselves?

Andrea Bush, Undergraduate Student, Bio & Biomedical Sciences
Pharmacological Treatment and Drug Unavailability for African Americans in Cobb Collection

Nicolette Cabbell, Undergraduate Student, Bio & Biomedical Sciences
Surrogate Data Testing of a Commercial Heart Rate Variation Algorithm

Nan Cao, Post Doc/ Resident/ Fellow/ Research Associate, Bio & Biomedical Sciences
Surface modification of HA particle to improve the mechanical strength of PLA/HA composites

Priscilla Carpenter, Undergraduate Student, Bio & Biomedical Sciences
Disruption of Nrf2 increases brain amyloid beta plaque load in a mouse model of Alzheimer's disease.

Shakila Carroll, Undergraduate Student, Bio & Biomedical Sciences
Cultured Eosinophil Supernatants are Toxic to Prostate Cancer Multicellular Tumor Spheroids

Richawna Cassie, Undergraduate Student, Bio & Biomedical Sciences
Discovery and Characterization of Bacteriophage Cass

Aidan Charles, Graduate Student, Bio & Biomedical Sciences
Immature Neuronal Loss in HIV-Infected Infant Primates

Tsipporah Christopher, Undergraduate Student, Bio & Biomedical Sciences
Isolation of Bacteria from Human and Kitchen Waste for Biogas Production in Bahir Dar, Ethiopia

Cameron Clarke, Undergraduate Student, Bio & Biomedical Sciences
Investigating the Stroke Belt

Christine Clarke, Graduate Student, Bio & Biomedical Sciences
Lentiviral shRNA Knockdown of Eosinophilic Galectin-10/Charcot-Leyden Crystals: A Novel Approach to Cancer Immunotherapy

Kyndal Coote, Undergraduate Student, Bio & Biomedical Sciences
Ecotourism may be the help we need

Rosa Crawley, Professional Student, Bio & Biomedical Sciences
The Relationship between Study Preparation and First Attempt Pass Rate on the National Physical Therapy Licensure Examination for HU Graduates from 2009 to 2013

Jalyse Cuff, Undergraduate Student, Bio & Biomedical Sciences
*Does Size Matter? Fecundity and Longevity in *Symmetrischema lavernella* (Lepidoptera: Gelechiidae)*

Ennessa Curry, Undergraduate Student, Bio & Biomedical Sciences
*Determining microbiota composition and presence of *Plasmodium* species in Ethiopian *Anopheles* mosquitoes*

Isaac Dodd, Professional Student, Bio & Biomedical Sciences
Memory difficulties and sitting screen time in the elderly

Lawrence Enweze, Professional Student, Bio & Biomedical Sciences
Enterprise Throughput as a Measure of Efficiency in Unicondylar Knee Arthroplasty

Micah Ernst, Undergraduate Student, Bio & Biomedical Sciences
A Study of Green Coffee Bean Extract on Resting and Exercise Energy Metabolism in Obese African-American Women

Onyekachi Ezeibe, Undergraduate Student, Bio & Biomedical Sciences
Intracellular trafficking of KATP channels: The role of EHD2

Fortune Ezemobi, Undergraduate Student, Bio & Biomedical Sciences
Computational Modeling and X-Ray Diffraction Studies to Treat Epilepsy

Uchechukwu Ezeonyebuchi, Professional Student, Bio & Biomedical Sciences
Rifampin, Pyrazinamide and Moxifloxacin-Loaded Nanoparticles for the Treatment of Sensitive and Multidrug Resistant Tuberculosis

Amoge Ezike, Undergraduate Student, Bio & Biomedical Sciences
Isolation and Purification of Anghus, a Mycobacteriophage Specific to Mycobacterium Smegmatis, from the Environment

Fatimah Fahimuddin, Professional Student, Bio & Biomedical Sciences
Outcomes in Bariatric Surgery Patients: The Role of Operative Time

Carina Felix, Undergraduate Student, Bio & Biomedical Sciences
The Role of ABCG2 in Prostate Cancer

Lourds Fernando, Graduate Student, Bio & Biomedical Sciences
Uncovering putative interactions of the inhibitory kinase WEE-1.3 in C. elegans

Skyler Ford, Undergraduate Student, Bio & Biomedical Sciences
Analyzing DNA from "Relyks" a Phage That Infects Mycobacterium smegmatis

Isis Fuller, Undergraduate Student, Bio & Biomedical Sciences
Finding Phage Bobbinson

Temitayo Gboluaje, Graduate Student, Bio & Biomedical Sciences
Disruption of CNS and Craniofacial Development in Human Trisomy 18 with Cyclopia and Holoprosencephaly: A 3-pronged imaging study

Sahar Geramfard, Post Doc/ Resident/ Fellow/ Research Associate, Bio & Biomedical Sciences
Is there any disparity in prevalence of Barrett's Esophagus in African Americans? Learning from EGD cases

Yaminah Gilles, Graduate Student, Bio & Biomedical Sciences
Maternal separation and post-weaning housing conditions affect depressive-like behaviors in rats.

Genelle Gittens-Backus, Professional Student, Bio & Biomedical Sciences
Trend in Racial/Ethnic Disparity in Emergent versus Elective Colon Resection Among Patients with Colon Cancer: Is the Gap Closing?

Clarence Glenn, III, Professional Student, Bio & Biomedical Sciences
Social Support and Sleep Disordered Breathing in a National Sample

Lauren Gordon, Professional Student, Bio & Biomedical Sciences
Evaluating the Specificity of Laser-Cutting Microdissection of Lymphocytes, Acinar and Ductal Cells from Human Minor Salivary Glands

Danyella Greene, Graduate Student, Bio & Biomedical Sciences
Perceived Stress and Somatic Symptoms in Predominately African American College Students

Yordanos Habtegebriel, Post Doc/ Resident/ Fellow/ Research Associate, Bio & Biomedical Sciences
Pulmonary Complications of HIV: Autopsy Findings C55-HIV-Associated Lung Diseases and Infections

Jayla Harvey, Undergraduate Student, Bio & Biomedical Sciences
Autism in the Cobb Collection

Sally Hassan, Graduate Student, Bio & Biomedical Sciences
Colonic Neoplasia in IBD and Non-IBD/ Noninfectious Colitis among Minority patients

Thomas Heinbockel, Senior Faculty, Bio & Biomedical Sciences
Cellular Processes and Synaptic Interactions in Nuclei of the Amygdala

Allison Hester, Post Doc/ Resident/ Fellow/ Research Associate, Bio & Biomedical Sciences
Varying Sensitivity to Cocaine Seeking in a Rat Model of Binge Eating Behavior

Charnel Hollier, Graduate Student, Bio & Biomedical Sciences
The Impact of Colorism: Bullying, Substance Usage, Eating Disorders, and Psychological Functioning among African American Adolescents

Kellie Hunnicut, Undergraduate Student, Bio & Biomedical Sciences
Angiotensin II hypertension increases urine lipid peroxidation, gp91phox expression in the heart and kidneys of Peroxisome proliferator-activated receptor- α knockout mice.

Aliza Ibad, Graduate Student, Bio & Biomedical Sciences
RNA and DNA Yields from 10-Year Old Formalin Fixed Paraffin Embedded Anal Cancer Tissues

Tumare Iqbal, Professional Student, Bio & Biomedical Sciences
Investigation of dengue replicon-based vaccine for HPV-associated oral cancer

Ngodoo Iye, Undergraduate Student, Bio & Biomedical Sciences
Isolation, Purification, and Characterization of Phages Iyee and MissyE

Devon Jackson, Professional Student, Bio & Biomedical Sciences
Neuropeptide Regulation of Maladaptive Feeding Behaviors

Latifa Jackson, Post Doc/ Resident/ Fellow/ Research Associate, Bio & Biomedical Sciences
Genomic Analysis of Blood-mediated disorders in African Americans

Whitney Jenkins, Undergraduate Student, Bio & Biomedical Sciences
Collecting, Isolating, and Purifying a Bacteriophage using Mycobacterium Smegmatis

Ganji Jhansi, Post Doc/ Resident/ Fellow/ Research Associate, Bio & Biomedical Sciences
Atypical Presentation of Adenocarcinoma of Lung with ALK gene mutation

Brittany Johnson, Undergraduate Student, Bio & Biomedical Sciences
mtDNA variation in African Americans across four centuries

Sydney Johnson, Professional Student, Bio & Biomedical Sciences
Pediatric Imaging: How did the Image Gently campaign affect imaging trends in children with appendicitis?

Mufutiat Jokomba, Undergraduate Student, Bio & Biomedical Sciences
Isolation, Purification, and Characterisation of Nifemi, a Mycobacteriophage Specific to Mycobacterium Smegmatis

Riya Kanherkar, Graduate Student, Bio & Biomedical Sciences
Epigenetic changes in human cells in response to chronic citalopram treatment

Dineeta Kubhar, Professional Student, Bio & Biomedical Sciences
Outcomes After Bariatric Surgery in Black Male Patients

Edene Shirley Lakpa, Undergraduate Student, Bio & Biomedical Sciences
Purification and Isolation of Bacteriophage "Patricia's" DNA

Leticia Lamour, Professional Student, Bio & Biomedical Sciences
Type 2 Diabetes Management and Effects of Plant-Based Diet on Diabetic Patients: A Pilot Study

Dexter Lee, Senior Faculty, Bio & Biomedical Sciences
Differential Exposure to Chronic vs Acute Palatable Food Intake on Rat Renal Orexin Receptor 1 and NOX-4 Liver Expression

Edward Lee, Senior Faculty, Bio & Biomedical Sciences
Targeted cancer gene sequencing identifies potential causative novel candidate mutations in colon carcinogenesis

Atila Libutsi, Undergraduate Student, Bio & Biomedical Sciences
Osteological Markers of Advanced Pulmonary Tuberculosis in the Cobb Collection

Stephen Lin, Post Doc/ Resident/ Fellow/ Research Associate, Bio & Biomedical Sciences
Fabrication of a Microfluidic Device for Generating Liposomal Nanoparticle as Drug Delivery Vehicle

Hang Liu, Post Doc/ Resident/ Fellow/ Research Associate, Bio & Biomedical Sciences
Synthesis of Less Degradable Dental Restorative Resins

Dana Lougheed, Undergraduate Student, Bio & Biomedical Sciences
Isolation and Purification of Phage found in Environment

Stephanie Maestre, Professional Student, Bio & Biomedical Sciences
Patient Attitudes toward the Use of Tablet Computers in Orthopaedic Outpatient Centers

Ankit Mahajan, Post Doc/ Resident/ Fellow/ Research Associate, Bio & Biomedical Sciences
Patient characteristics associated with obesity related hypertension and one year post-operative hypertension resolution in African American patients undergoing Rou en Y gastric bypass surgery: A single center study

Aamina Malik, Graduate Student, Bio & Biomedical Sciences
An untold story: the important contributions of Muslim scholars to the discovery of human anatomy and the history of evolutionary thinking

Ahmar Malik, Post Doc/ Resident/ Fellow/ Research Associate, Bio & Biomedical Sciences
Sarcoidosis Associated Pulmonary Hypertension: Effects on Functional Capacity and Mortality

Aaron Malveaux, Undergraduate Student, Bio & Biomedical Sciences
A Clustering Algorithm for Complex Traits in the Human Genome

Janet Mansaray, Undergraduate Student, Bio & Biomedical Sciences
Historical Investigation of Rumex plant species in the DC Metropolitan Area

Eric Mayes, Undergraduate Student, Bio & Biomedical Sciences
Comparative Lower Limb Anatomy in the Cobb Collection and Among Contemporary Age and Sex-Matched Individuals

Earyn McGee, Undergraduate Student, Bio & Biomedical Sciences
*Behavioral Ecology of Yarrow's spiny lizard, *Sceloporus Jarrovi**

Cheyenne McLaughlin, Professional Student, Bio & Biomedical Sciences
Racial/Ethnic Differences in Stage at Diagnosis Among Premenopausal Breast Cancer Patients

Paul Millard, Undergraduate Student, Bio & Biomedical Sciences
Effects of Poly-Ethylenimine Dynamics on DNA Nanoparticle Packing

Kulsoom Naqvi, Undergraduate Student, Bio & Biomedical Sciences
R-Loops Cause Replication-Independent DNA Damage and Trigger a DNA Damage Response (DDR)

Temitayo Ogundipe, Post Doc/ Resident/
Fellow/ Research Associate, Bio & Biomedical
Sciences

*Lymph nodes' evaluation in relation to
colorectal cancer staging among African
Americans*

Linda Ogwuazor, Undergraduate Student, Bio
& Biomedical Sciences

*Testing Possible Treatments for Androgenic
Alopecia in a Cell-Based Assay System*

Precious Okereke-Mba, Undergraduate
Student, Bio & Biomedical Sciences
*Isolation, Purification, and Characterisation of
a Mycobacteriophage Najj*

Oluwatosin Olaitan, Undergraduate Student,
Bio & Biomedical Sciences
*Arterial Compliance in Young Adult African-
American Females With and Without Parental
History of Hypertension*

Morenike Olu, Undergraduate Student, Bio &
Biomedical Sciences

*The t6A37 tRNA modification is necessary for
efficient RpoS translation in Escherichia coli*

Tiffany Omokanwaye, Post Doc/ Resident/
Fellow/ Research Associate, Bio & Biomedical
Sciences

*Aggrecan: unusual polyelectrolyte biophysics
and interactions conferred by the bottlebrush
structure.*

Jahn O'Neil, Junior Faculty/ Lecturer/
Instructor, Bio & Biomedical Sciences
*Selective loss of catecholaminergic neurons
in the ventral tegmental area of a transgenic
murine model of Alzheimer's disease*

NaTazah O'Neil, Undergraduate Student, Bio
& Biomedical Sciences

*The Isolation, Purification and
Characterization of the Bacteriophage Ayana*

Michael Onwukaeme, Undergraduate Student,
Bio & Biomedical Sciences

*The Effect of Enrichment on Hippocampal
Cognition in a Rat Model of Malformation of
Cortical Development*

Morinne Osborne, Undergraduate Student, Bio
& Biomedical Sciences

*Discovering the Bacteriophage Morizzled23:
From the Soil to the Lab*

Kalah Ozimba, Undergraduate Student, Bio &
Biomedical Sciences

*Determining the Effect of Graphene Oxide on
Pseudomonas aeruginosa Growth*

Shazanne Pennant, Undergraduate Student,
Bio & Biomedical Sciences

*The effects of Peroxisome proliferator activated
receptor- alpha on T lymphocytes, total
circulating leukocytes and T cell activation
marker during Angiotensin II hypertension.*

Komitige Hashanthi Perera, Graduate Student,
Bio & Biomedical Sciences

*Mannobiose functionalization on solid surfaces
by physical adsorption and covalent attachment*

Melisa Philogene, Undergraduate Student, Bio
& Biomedical Sciences

Plaque? Or no plaque? That is the question.

Andrew Pryce, Post Doc/ Resident/ Fellow/
Research Associate, Bio & Biomedical
Sciences

*Comparative Lower Limb Anatomy in the Cobb
Collection and among Contemporary Age- and
Sex-Matched Individuals*

Rachel Racicot, Post Doc/ Resident/ Fellow/
Research Associate, Bio & Biomedical
Sciences

*Morphological data partitions possess
different levels of phylogenetic signal for
the evolutionary relationships of the reef
coral families Merulinidae, Montastraeidae,
and Diploastraeidae (Cnidaria: Anthozoa:
Scleractinia)*

Sulman Rahmat, Junior Faculty/ Lecturer/
Instructor, Bio & Biomedical Sciences

*Neuronal and vascular anatomy in the
maturing zebrafish brain*

Rakib Rayhan, Professional Student, Bio &
Biomedical Sciences

*Increased white matter tract axial diffusivity
associated with fatigue, pain and hyperalgesia
in Gulf War Illness*

Shaina Reid, Graduate Student, Bio & Biomedical Sciences
Characterization of GABAergic and Glutamatergic neuronal expression in the Amygdala and Hippocampus in a Disrupted-In-Schizophrenia-1 (DISC1) genetic mouse model

Angel Rogers, Undergraduate Student, Bio & Biomedical Sciences
Arabidopsis scaffold protein RACK1A regulates diverse environmental stress signaling pathways

Jean Sebastien Rowe, Professional Student, Bio & Biomedical Sciences
Clinical Utility of MRCP in Diagnosing Biliary Diseases: A Review of the Literature.

Armana Saeed, Post Doc/ Resident/ Fellow/ Research Associate, Bio & Biomedical Sciences
Gastrointestinal lesions in African American patients with Iron Deficiency Anemia

Hassan Salmani, Junior Faculty/ Lecturer/ Instructor, Bio & Biomedical Sciences
On Design Vulnerability Analysis and Trust Benchmarks Development

Wardell Samotshozo, Graduate Student, Bio & Biomedical Sciences
Using Mobile Devices to Develop a Fast and Non-Intrusive Substitution for Optical Density Measurements

Kamyar Sartip, Junior Faculty/ Lecturer/ Instructor, Bio & Biomedical Sciences
Ossification of the Posterior Longitudinal Ligament: Sex difference and prevalence on computed tomography (CT)

Kevin Scriber, Graduate Student, Bio & Biomedical Sciences
*An examination of the feeding preferences of the freshwater amphipod *Hyaella azteca* for aquatic vascular plants and macro algae: the potential roles of prey nutritional quality, chemical and/or structural defenses*

Naa Sey, Undergraduate Student, Bio & Biomedical Sciences
"Ph-ishing" for Phage

Afnan Shakoori, Graduate Student, Bio & Biomedical Sciences
Whole genome hyper-methylation sequencing in Africa American patients with colorectal cancer

Zaki A. Sherif, Junior Faculty/ Lecturer/ Instructor, Bio & Biomedical Sciences
Factors affecting the course of HCV infection and the sustained virological response in African American patients at Howard University Hospital

Shuang Shi, Graduate Student, Bio & Biomedical Sciences
Identifying Type-II Diabetes-associated Salivary Biomarkers in African American Patients

Simmi Singh, Graduate Student, Bio & Biomedical Sciences
Applications of the Urochordate Cardiopharyngeal Field to Head and Heart Syndromes in Humans

Christopher Smith, Graduate Student, Bio & Biomedical Sciences
Muscular and skeletal anomalies in human trisomy in an evo-devo context using 3-D imaging and anatomical dissections, with notes on Down Syndrome, cyclopia and medical implications

Robert Solomon, Graduate Student, Bio & Biomedical Sciences
Coronary Artery Disease: A Review of World Literature Reveals Ethnic Disparities in Detection, Treatment, and Outcomes

Abiel Spencer, Undergraduate Student, Bio & Biomedical Sciences
*Isolation and Characterization of a Novel Phage from the Howard University Campus Using *Mycobacterium smegmatis* as a Host*

Jared St. Amant, Undergraduate Student, Bio & Biomedical Sciences
*New records of coelacanth fish (*Sarcopterygii*, *Mawsoniidae*, cf. *Chinlea*) from the Late Triassic Hayden Quarry at Ghost Ranch, New Mexico*

Briana Stith, Undergraduate Student, Bio & Biomedical Sciences

Exploring the Effects of Mycobacteriophages on Mycobacterium smegmatis and Their Genetic Information

Grace Swanson, Graduate Student, Bio & Biomedical Sciences

Genetic variation in the serotonin type 7 receptor (5-HT7) gene and its association with cortisol levels in African Americans.

Mestawet Teka, Graduate Student, Bio & Biomedical Sciences

Impact of Atrial Fibrillation and Flutter in Patients with Pulmonary Hypertension

Laurie Thomas, Undergraduate Student, Bio & Biomedical Sciences

The Process of Identifying Bacteriophage

Roshni Thomas, Undergraduate Student, Bio & Biomedical Sciences

Body Mass Index, Depression, and Participant Retention Correlations in the W.E.I.G.H.T. Study

Cortni Tyson, Post Doc/ Resident/ Fellow/ Research Associate, Bio & Biomedical Sciences

Use of Complementary and Alternative Medicine Use and Colon Cancer Screening among US Adults

Ngozi Uka, Professional Student, Bio & Biomedical Sciences

Improving glycemic control in minority patients diagnosed with type 2 diabetes: A Review

Carmen Vails, Undergraduate Student, Bio & Biomedical Sciences

Role of RACK-1 protein on oxidative stress signaling pathways in MC3T3

Sachin Vasikaran, Undergraduate Student, Bio & Biomedical Sciences

Screening for Leishmania spp. in Ethiopian Phlebotomine sand flies

Melanie Ventocilla, Post Doc/ Resident/ Fellow/ Research Associate, Bio & Biomedical Sciences

Prevalence of Pre-Masticating Food for Weaning Infants Among Mothers and Caregivers in the Washington, DC Area

Vanessa Vixamar, Undergraduate Student, Bio & Biomedical Sciences

Characterization of a Bacteriophage(Phage)

Makeeva Walker, Undergraduate Student, Bio & Biomedical Sciences

Nicotinamide Adenine Dinucleotide Phosphate (NADPH) oxidase subunit – 4 and gp91phox, in the presence of Interleukin-6, contributes to increased mean arterial pressure during Angiotensin II hypertension

Robert Walker, Professional Student, Bio & Biomedical Sciences

Conditional Reprogramming of Adult Rat Primary Astrocytes

Ze-Jun Wang, Post Doc/ Resident/ Fellow/ Research Associate, Bio & Biomedical Sciences

Retrograde Signaling with Cannabinoids in Olfactory Neuronal Circuits

Kyaira Ware and Rachel Darko,

Undergraduate Student, Bio & Biomedical Sciences

Small compounds targeting Arabidopsis Scaffold Protein RACK1A in Oxidative Stress and Auxin Signaling Pathways

Jerome White, Undergraduate Student, Bio & Biomedical Sciences

The ecological implications of variation in morphology among four lizards in the genus Gonatodes in Trinidad and Tobago

Kaila Wilcher, Undergraduate Student, Bio & Biomedical Sciences

Evaluation of a Commercially Available Heart Rate Variability Algorithm Using Electronically Simulated Electrocardiograms

Tahirah Williams, Undergraduate Student, Bio & Biomedical Sciences

Isolation and partial characterization of mycobacteriophage, Ariel, from soil sample collected outside Howard University Biology building.

Bradford Wilson, Post Doc/ Resident/ Fellow/ Research Associate, Bio & Biomedical Sciences

Hypertension genotypes in an historic African-American population: Comparisons with contemporary hypertension genomics

Firew Wubiee, Post Doc/ Resident/ Fellow/ Research Associate, Bio & Biomedical Sciences

Tumor size is a prognostic factor in colon cancer: review of the Surveillance Epidemiology and End Results database

Shatha Zarnogi, Graduate Student, Bio & Biomedical Sciences

Whole genome hypomethylation sequencing in Africa American patients with colorectal cancer

Xiping Zhan, Junior Faculty/ Lecturer/ Instructor, Bio & Biomedical Sciences

Multimodal Mossy Fibers Form Distinct Synapses in the Granule Cell Domain of the Dorsal Cochlear Nucleus in Rats

Shenita-Ann Grymes, Undergraduate Student, Business

Proper utilization of care reduces hospital re-admissions.

Lucy Lim, Junior Faculty/ Lecturer/ Instructor, Business

Was Andersen less than its peers? A Comparative Analysis of Audit Quality

Prashant Thapa, Undergraduate Student, Business

A Web Service Leveraging Nepal Social Networks for US e-commerce Shipments

Jean Wells, Senior Faculty, Business

Identity Theft Tax Refund Fraud: Efforts to Detect and Prevent

Shaun Jackson, Undergraduate Student, Creative Arts & Design

Black Women in the Media: How are they viewed

Ghulam Abbas, Junior Faculty/ Lecturer/ Instructor, Education & Outreach

Red Cell Distribution Width an emerging prognostic marker

Kawtar Alkhaloufi, Post Doc/ Resident/ Fellow/ Research Associate, Education & Outreach

The association of patients' perception of their health status and being current with colorectal cancer screening guidelines

Porsche Boddicker, Graduate Student, Education & Outreach

The Tale of Three Perspectives: Closing the Achievement Gap by Examining The Relationship Between Student Engagement and Interpersonal Relationship Strategies Among Students, Teachers and Observers

Noelita Bowman, Graduate Student, Education & Outreach

Math Achievement and Racial' Academic Identity: Understanding How Racial and Academic Identity Impacts Math Achievement.

Dwayne Bryant, Graduate Student, Education & Outreach

Pieces of Me- African American Males in School Psychology

Brian Danner, Undergraduate Student, Education & Outreach

Virtual Community Can improve Staffing, Retention, and Job Satisfaction

Tuo Dong, Professional Student, Education & Outreach

CT-guided 3D printable models for anatomy teaching

Lennox Graham, Junior Faculty/ Lecturer/ Instructor, Education & Outreach

Best Strategies to Recruit and Enroll African Americans into Clinical and Biomedical Research

Barrie Hamilton, Graduate Student, Education & Outreach

Preparing Charter Schools in Science, Technology, Engineering, Mathematics (STEM): A Justice Perspective

Joycelyn Hughes, Graduate Student, Education & Outreach

Revisiting Conscientization & Critical Race Theory for the Social Responsibility of African American Educators, K-12

Ketly Jean-Pierre, Graduate Student, Education & Outreach

Design and Implementation of a Structured Adaptive Individualized Learning System (SAILS) to Assist in the Successful Matriculation of Students in Computer Science

Porscha Johnson, Post Doc/ Resident/ Fellow/ Research Associate, Education & Outreach
Using a Simulated On-Call Experience to Reinforce Key Clinical Skills

Amol Kulkarni, Junior Faculty/ Lecturer/ Instructor, Education & Outreach
Fostering an Emerging Future Scientist Pipeline through Interactive Demonstrations in Chemistry and Biological Sciences

Teneisha McIntyre, Graduate Student, Education & Outreach
Bridging the Gap: Culturally responsive instruction and STEM achievement in African American students

Marlon Mejias, Graduate Student, Education & Outreach
A Socio-technical Approach to Undergraduate Computer Science Student Development

Tiffany Phillips, Graduate Student, Education & Outreach
Each One Teach One: Collegiate Tutors in Urban Middle Schools

Latonya Washington, Professional Student, Education & Outreach
The Value of Occupational Therapy as Part of a Medical Missionary Team

Chakoria Wells, Graduate Student, Education & Outreach

Expressive Language: An Examination of Language Growth in Prekindergarten Centers

Dimitri White, Graduate Student, Education & Outreach

Examining Parental Involvement and School Engagement among African American Adolescents

Brittney Williams, Professional Student, Education & Outreach

Development of a New Tool to Survey Interns, Residents and Fellows about the Impact of Learning Radiology Throughout Their Training

Vanessa Battiste, Graduate Student, Humanities
The Origins and Outcomes of Stress-Related Factors amongst Caribbean Populations: Implications for Clinical Treatment and Future Research

Anietie Andy, Graduate Student, Physical Sciences & Engineering
Exploring Synonyms to improve Question and Answering Systems

Amedebrhan Asfaw, Graduate Student, Physical Sciences & Engineering
Simulation and Validation of the Seismic Behavior of Hinged- Rubber Bearings

Shauna-Gaye Campbell, Graduate Student, Physical Sciences & Engineering
Mobility of Transformed Nanomaterials through Porous Media

Michelle Chavis, Post Doc/ Resident/ Fellow/ Research Associate, Physical Sciences & Engineering
Nanostructured Thin Films for Advanced Applications

Matthew Clarke, Undergraduate Student, Physical Sciences & Engineering
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