

HOWARD UNIVERSITY

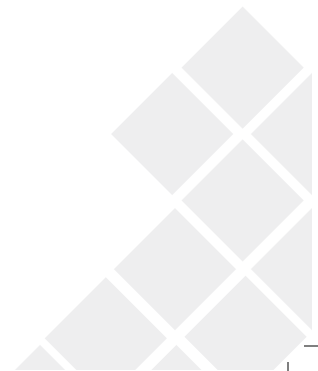
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**RESEARCH WEEK**

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April 14, 2016

PROGRAM BOOK



# HOWARD UNIVERSITY

Office of the Associate Provost  
Research & Graduate Studies

April 11, 2016

Greetings to the Howard University Family and Friends:

It is with great pleasure that I welcome you to Howard University's Research Week 2016, April 11-15. This week provides a wonderful opportunity to showcase the array of cross-disciplinary and groundbreaking research that has earned the University its unique reputation among institutions of higher education. The week's activities range from panel discussions, presentations from external agencies, to the ribbon cutting ceremony for the University's new Interdisciplinary Research Building.

Approximately 500 faculty, students, and postdocs from the thirteen schools and colleges comprise this year's Research Symposium participants to be held on Thursday, April 14. 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 Week will strengthen current partnerships, and spark new collaborations among your colleagues in the coming years.

I would like to take this opportunity to express my gratitude to the research symposium's keynote speaker, Dr. Ivory A. Toldson, Executive Director for the White House Initiative on Historically Black Colleges and Universities (HBCU). Dr. Toldson was appointed by President Barack Obama to design national strategies to sustain and expand federal support to HBCUs. Furthermore, he is a member of the Howard University family and is currently on leave from his full professorship in the School of Education. I believe that Dr. Toldson's invaluable experience and insight as a professor, researcher, author, writer, editor, and Executive Director for the White House Initiative on HBCUs will be very enlightening to those in attendance.

We are also grateful for the generous support and partnership of our sponsors, the National Science Foundation's HU ADVANCE-IT, Zipcar, the National Science Foundation's Center for Integrated Quantum Materials (CIQM), and the Liberal Arts Diversity Officers (LADO).

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 and the staff members of the Office of Research Development 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 Week 2016.

Sincerely,



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



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Washington, DC 20059

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## KEYNOTE SPEAKER:

### DR. IVORY A. TOLDSON

Dr. Ivory A. Toldson was appointed by President Barack Obama to devise national strategies to sustain and expand federal support to HBCUs, as the executive director of the White House Initiative on Historically Black Colleges and Universities. He is currently on leave from his position as full professor at Howard University. He has also served as senior research analyst for the Congressional Black Caucus Foundation, and editor-in-chief of *The Journal of Negro Education*, and contributing education editor for *The Root*, where he debunked some of the most pervasive myths about African-Americans in his *Show Me the Numbers* column.



In addition to ongoing work with elected officials, government executives, HBCU leaders and advocacy groups, Dr. Toldson conceptualized the White House Initiative on HBCUs All-Stars program, which identifies and engages the top HBCU scholars. He also co-authored a series of blogs on federal sponsorships for various federal agencies and hosted a series of webinars, in an effort to increase the approximately \$5 billion of federal revenue that flows to 100 HBCUs.

Dr. Toldson has more than 65 publications, including 4 books, and more than 150 research presentations in 36 US states, Puerto Rico, Dominican Republic, Scotland, South Africa, Paris, and Barcelona. He has been featured on MSNBC, C-SPAN2 Books, NPR News, POTUS on XM Satellite Radio, and numerous local radio stations. His research has been featured in *The Washington Post*, *The New York Times*, *The Root*, *The National Journal*, *Essence Magazine*, and *Ebony Magazine*.

Dubbed a leader “who could conceivably navigate the path to the White House” by the *Washington Post*, one of “30 leaders in the fight for Black men,” by *Newsweek Magazine*, and the “Problem Solver” by *Diverse: Issues In Higher Education*, Dr. Toldson, according to U.S. Secretary Arne Duncan, is “a prolific young scholar and myth buster.” According to *Capstone Magazine*, “Toldson has spent a lot of time traveling across the country talking with teachers about misleading media statistics that invariably either link Black males to crime or question their ability to learn.” Dr. Toldson was named in the 2014 and 2013 *The Root* 100, an annual ranking of the most influential African-American leaders.

After completing coursework for a Ph.D. in Counseling Psychology at Temple University, Dr. Toldson became a correctional and forensic psychology resident at the United States Penitentiary. There, he completed his dissertation on Black Men in the Criminal Justice System. Upon completion, Dr. Toldson joined the faculty of Southern University and became the fourth recipient of the prestigious DuBois Fellowship from the US Department of Justice. He also served as the clinical director of the Manhood Training Village. He has received formal training in applied statistics from the University of Michigan, and held visiting research and teacher appointments at Emory, Drexel, and Morehouse School of Medicine.

# HOWARD UNIVERSITY RESEARCH DAY

Thursday, April 14, 2016 • Blackburn Center

## ACTIVITIES AT A GLANCE

### MONDAY, APRIL 11

#### Sharing the Research Vision

10:00 AM      Howard University State of Research Address  
*Multipurpose Room, Interdisciplinary Research Building*

12:00 PM      **Fulbright Scholar/Student Research Presentations**  
National Merit Award Recognition Reception  
*Gallery Lounge, Armour J. Blackburn University Center*

### TUESDAY, APRIL 12

#### Engaging Faculty in Research

8:00 AM      Team Science Symposium  
*AAMC building 655 K St. NW*

9:00 AM      Ancient DNA Workshop  
*Gallery Lounge, Armour J. Blackburn University Center*

1:00 PM      Liberal Arts Diversity Officers  
*Multipurpose Room, Interdisciplinary Research Building*

### WEDNESDAY, APRIL 13

#### Research Discussion

11:00 AM      The NASA Postdoctoral Program  
*Multipurpose Room, Interdisciplinary Research Building*

1:00 PM      The Ryoichi Sasakawa Young Leaders Fellowship Fund (SYLFF)  
*Session*  
*Armour J. Blackburn University Center, Forum*

1:00 PM      Research Week Winners – 2014/2015  
*Room 148/150-Armour J. Blackburn University Center*

2:00 PM      Howard University China Study Abroad Experience  
*Room 148/150-Armour J. Blackburn University Center*

# HOWARD UNIVERSITY RESEARCH DAY

Thursday, April 14, 2016 • Blackburn Center

## ACTIVITIES AT A GLANCE

### THURSDAY, APRIL 14

#### Showcasing Research & Scholarly Activities

- 7:30 AM      Research Symposium Registration & Continental Breakfast  
*Armour J. Blackburn University Center, Ballroom*
- 8:30 AM      Greetings and Opening Remarks
- 9:00 AM      Keynote Speaker – Dr. Ivory A. Toldson  
Executive Director, White House Initiative on  
Historically Black Colleges and Universities
- 10:00 AM     Oral and Poster Presentations Session I
- 12:30 PM     Lunch
- 1:30 PM      Oral and Poster Presentations Session II
- 4:40 PM      Closing

### THURSDAY, APRIL 14

- 9:00 AM      **HU ADVANCE-IT – Women in STEM Panel**  
*Multipurpose Room, Interdisciplinary Research Building*

### FRIDAY, APRIL 15

#### Interdisciplinary Research Building Opening

- 11:30 AM     Opening Remarks  
*Multipurpose Room, Interdisciplinary Research Building*

#### Celebrating Research at Howard University

- 3:00 PM      Research Awards & 2016 Women in STEM Researcher of the  
Year Award  
*Gallery Lounge, Armour J. Blackburn University Center*

# ACTIVITIES IN DETAIL

**MONDAY, APRIL 11**

*Sharing the Research Vision*

**10:00 AM**      **Howard University State of Research Address**  
*Multipurpose Room, Interdisciplinary Research Building*

Howard University faculty, staff, and students are invited to join Dr. Gary Harris, Associate Provost for Research & Graduate Studies, at the State of Research Address to be held in the new Interdisciplinary Research Building. Dr. Harris will give an update on the University's research activities, efforts to forge new frontiers of discovery and innovation, and promoting a culture of creativity that continues to benefit the enterprise, surrounding communities, and the world. Light refreshments will be served.

**12:00 PM**      **National Merit Award Reception & Fulbright Research**  
*Presentations*  
*Gallery Lounge, Armour J. Blackburn University Center*

The Office of Undergraduate Studies/Office of Honors and Scholar Development invites the Howard University Community to a Research Week Reception celebrating the Howard University Prestigious Fellowship Awardees and Finalists of 2016. Awardees and finalists from The Rhodes Scholarships, Fulbright Fellowship Program, Marshall Scholarships, Rangel International Awards Program, Truman Scholarship Foundation, Critical Language Scholarship Program and Carnegie Endowment for International Peace will be honored. The event will also feature Research Project overviews by Fulbright Scholars and Semi-Finalists.

# ACTIVITIES IN DETAIL

## TUESDAY, APRIL 1

### *Engaging Faculty in Research*

**8:00 AM**            **Team Science Symposium**  
*AAMC building 655 K St. NW*

The 2016 DC Regional Team Science Symposium will be held on Tuesday, April 12, 2016 from 8am-4 pm. Attendees will learn how to maximize research productivity through interdisciplinary team science and shared research resources. Faculty from all schools and colleges are welcome to attend. Members of departmental and college promotions and tenure committees are strongly encouraged to attend.

**9:00 AM**            **Ancient DNA Workshop**  
*Gallery Lounge, Armour J. Blackburn University Center*

### ***Ancient DNA Workshop: The Past, Present, and Future of African American Genomes***

The Cobb Research Laboratory will be hosting a workshop titled ***Ancient DNA Workshop: The Past, Present, and Future of African American Genomes*** on Ancient DNA Retrieval and Application. This ground breaking workshop will cover the latest advances at Howard University in ancient DNA assessment and will feature a presentation by Dr. Hannes Schroeder, University of Copenhagen's Center for Geo-Genetics on his discovery of the genetic backgrounds of three Afro-Caribbean individuals from the 17<sup>th</sup> century. Howard University faculty including Dr. Latifa Jackson, Dr. Muneer Abbas and Dr. Michael Campbell will also present on their research projects supporting the Cobb Research Laboratory. Lunch will be provided for all participants and advanced registration is required. Email [cobbresearchlab@howard.edu](mailto:cobbresearchlab@howard.edu)

**12:00 pm**            **Symposium on Current Studies at the Cobb**  
*Research Laboratory*

Research Papers on current studies at the Cobb Research Laboratory (CRL) will be presented to provide a comprehensive overview of the research activity of the CRL. These presentations will provide a general overview of the CRL and report on longstanding health disparities in the African American population.

**1:00 PM**            **Liberal Arts Diversity Officers**  
*Multipurpose Room, Interdisciplinary Research Building*

The Liberal Arts Diversity Officers workshop is presented by a panel of faculty and Administrators with representation from different disciplines. They will provide an overview of a career at a liberal arts college from the perspective of expectations and resources for teaching, scholarship and service. They will also provide guidance on how to navigate your Graduate and post- doctoral career. Most importantly, undergraduate and graduate students will have the opportunity to network with representatives from various liberal arts colleges.

## WEDNESDAY, APRIL 13

### *Research Discussion*

#### **11:00 AM      The NASA Postdoctoral Program**

*Multipurpose Room, Interdisciplinary Research Building*

The NASA Postdoctoral Program (NPP) offers unique research opportunities to highly talented national and international individuals to engage in ongoing NASA research projects at a NASA Center, NASA Headquarters, or a NASA-affiliated research institute. These one- to three-year Fellowship appointments are competitive and designed to advance NASA's missions in space sciences, Earth sciences, astrobiology aeronautics, space technology, human exploration, and space operations. As a postdoctoral or senior scientist, the Fellow will be conducting research of national importance and collaborating with distinguished scholars from the United States and the international community.

#### **1:00 PM      The Ryoichi Sasakawa Young Leaders Fellowship Fund (SYLFF) Session**

*Armour J. Blackburn University Center; Forum*

The SYLFF is a competitive and merit-based prestigious award designed to provide full financial support to our outstanding Ph.D. students admitted to candidacy with a research concentration in international affairs and world peace. The SYLFF program aims to identify and nurture leaders who will overcome differences such as nationality, language, ethnicity, religion, and political systems to tackle global issues, and whose high integrity and drive in addressing the issues unique to their respective countries can make a real difference. In this session, current SYLFF fellows will present their research and talk about their experience as a SYLFF fellow. Presentations will be followed by discussion with the audience.

#### **1:00 PM      Research Week Winners – 2014/2015**

*Room 148/150-Armour J. Blackburn University Center*

The Research Week winners for 2014 and 2015 will present their award winning research to the University community. During this seminar the University community who missed their initial winning presentations have a second opportunity to discover some of the outstanding research conducted by our faculty and students.

#### **2:00 PM      Howard University China Study Abroad Experience**

*Room 148/150-Armour J. Blackburn University Center*

This seminar will provide an overview of observations related to STEM, business, art, and education that were conducted by 21 freshman students at Howard University during a 14-day excursion in Beijing and Shanghai, China. This presentation is an exploration of homogeneity amongst American and Chinese lifestyles. Presentations will cover an overview of the influence of art in religion, fashion and writing in the US and China; an overview of the intersection of STEM and business practices in the US and China and an overview of political and social practices in the US and China.



# THURSDAY, APRIL 14

## *Showcasing Research & Scholarly Activities*

The Annual Research Symposium is the highlight of Research Week. During the research symposium, students, faculty, and research staff will discuss their research findings with other Howard University members, external visitors from various federal agencies, private industry, and surrounding universities. Prizes will be awarded for the winning presentations in several categories.

- 7:30 AM**            **Research Symposium Registration & Continental Breakfast**  
*Armour J. Blackburn University Center, Ballroom*
  
  - 8:30 AM**            **Greetings and Opening Remarks**
  
  - 9:00 AM**            **Keynote Speaker – Dr. Ivory Toldson**  
Executive Director, White House Initiative on  
Historically Black Colleges and Universities
  
  - 10:00AM**           **Oral and Poster Presentations Session I**
  
  - 12:30 PM**           **Lunch**
  
  - 1:30 PM**            **Oral and Poster Presentations Session II**
  
  - 4:40 PM**            **Closing**
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- 9:00AM**            **HU ADVANCE-IT – Women in STEM Panel**  
*Multipurpose Room, Interdisciplinary Research Building*

**HU-ADVANCE-IT** will host their annual Women in STEM panel discussion featuring exemplary Scholars and Researchers in the STEM discipline. Howard University **ADVANCE-IT: Women of Color Faculty in STEM as Change Agents** aims to develop an innovative and strategic model for institutional transformation at Howard University that increases the number of female faculty and academic leaders in the STEM disciplines. The program plans to increase diversity through education, advocacy, and empowerment while simultaneously making a significant contribution to strengthening the nation’s STEM workforce. The portfolio of activities and outcomes will also benefit other non-STEM academic areas by supporting general policies and establishing practices reflective of the University’s commitment to diversity.

**FRIDAY, APRIL 15**

***Interdisciplinary Research Building Opening***

**11:30 AM**

**Opening Remarks**

*Multipurpose Room, Interdisciplinary Research Building*

***Celebrating Research at Howard University***

**3:00 PM**

**Research Awards & 2016 Women in STEM Researcher of the Year Award**

*Gallery Lounge, Armour J. Blackburn University Center*

**Howard University Research Symposium**  
**Blackburn Center**  
**Thursday, April 14, 2016**

**PROGRAM**

**7:30 – 8:30 AM**

**Registration & Continental Breakfast**  
 2nd Floor of Blackburn Center

**8:30– 9:00 AM**

**Greetings**

Anthony K. Wutoh, Ph.D., R.Ph.  
 Provost & Chief Academic Officer

*Opening Remarks*

Gary L. Harris, Ph.D., PE  
 Associate Provost for Research and Graduate Studies

*Introduction of Keynote Speaker*

Pamela A. Clarke, Program Manager  
 Office of Research Development

**9:00 – 9:45 AM**

**Keynote Address**

Ivory A. Toldson, Ph.D.  
 Executive Director, White House Initiative on Historically  
 Black Colleges and Universities (HBCU)

***Presentations***

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10:00 AM –12:30 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

1:30 – 4:30 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

# ORAL PRESENTATIONS

## SESSION I

10:00AM – 11:15AM | GALLERY LOUNGE | BUSINESS

Presenter: **Rajni Goel**, Senior Faculty, *Understanding the Realized Value of Diversity in Information Technology: The Business Case*

Presenter: **Maryam Khan**, Senior Faculty, *Internalization of Restaurant Franchises: An overview*

Presenter: **Anupam Kumar**, Junior Faculty/ Lecturer/ Instructor, *Is it greenwashing? Environmental behavior and the legitimacy conundrum*

Presenter: **Denise W Streeter**, Junior Faculty/ Lecturer/ Instructor, *Do Gibrat's and/or Zipf's Laws Hold for Foreign Currency Reserves?*

10:00AM – 11:15AM | FORUM | EDUCATION & OUTREACH, SOCIAL SCIENCE

Presenter: **Aitza Haddad Nunez**, Graduate Student  
*The Efficacy of Socrative, a free web-based software, to improve learning outcomes and student retention in both a STEM and Non-STEM college classroom*

Presenter: **Alcine Shenick**, Undergraduate Student, *Relevant Systems: UNIMIND*

Presenter: **Charles Verharen**, Senior Faculty, *Improving Howard University's Graduation Rates and Undergraduate Research Performance*

Presenter: **Alfreda Woods**, Graduate Student, *Malnutrition among Minority Women with Breast Cancer*

10:00AM – 11:15AM | ROOM 148 | HUMANITIES

Presenter: **Aisha Bowen**, Undergraduate Student, *Redefining Intelligence: Education and the Value of Non-Traditional Knowledge in The Color Purple by Alice Walker and Beloved by Toni Morrison*

Presenter: **Alexis Boyd**, Undergraduate Student, *Engaging the "Master's Tools": How Western Ideologies Complicate the Rhetoric of Protest and Resistance Literature*

Presenter: **Shanice Davis**, Undergraduate Student, *Redefining Black Womanhood: Exploring the Underprivileged Feminist in African American Literature*

Presenter: **Angel Dye**, Undergraduate Student, *Articulations of Black Masculinity via Black Female Bodies in African American Literature*

10:00AM – 11:15AM | ROOM 150 | HUMANITIES

Presenter: **Savannah Bowen**, Undergraduate Student, *Black Girl Magic: Black Feminist Thought in Black Young Adult Fantasy Fiction*

Presenter: **Christian Bradley**, Undergraduate Student, *Isaac Asimov's laws of robotics: Implications for humanoids and artificial intelligence*

Presenter: **Ashla Hill Roseboro**, Graduate Student, *National Association of University Women Membership Strategies*

Presenter: **Stephanie Howard**, Graduate Student, *The Direct Effect of Vicarious Trauma on Young Children: A Conceptual Model*

Presenter: **Morgan Smalls**, Graduate Student, *Bell hooks: A Critique of Black Media Representations in Popular Culture*

10:00AM – 11:15AM | AUDITORIUM | SOCIAL SCIENCES

Presenter: **Terri Adams**, Senior Faculty, *Returning Home: A Cross-Cultural Analysis of the Experiences of Displaced Victims of Hurricane Katrina*

Presenter: **Josephine Dawuni**, Junior Faculty/ Lecturer/ Instructor, *African Women Judges in International Courts: Internationalizing the Domestic?*

Presenter: **Benoit Schmutz**, Junior Faculty/ Lecturer/ Instructor  
*Another look at the evaluation of relationship training programs*

Presenter: **Indira Somani**, Junior Faculty/ Lecturer/ Instructor, *'That's not real India' Responses to portrayals of women in Indian Soap Operas*

10:00AM – 11:15AM

READING ROOM

SOCIAL SCIENCES

Presenter: **Francisco Brady**, Undergraduate Student, *Who Benefits from Charter Schools in DC?*

Presenter: **Shannon Coombs**, Undergraduate Student, *Frazier, Moynihan and The Negro Family*

Presenter: **Faith Harrison**, Undergraduate Student, *New Year; New Me*

Presenter: **Rasheed Varner**, Undergraduate Student, *Russia, Syria, and The Arab Spring*

10:00AM – 11:15AM

WEST BALLROOM

SOCIAL SCIENCES

Presenter: **Omar Akbar**, Graduate Student, *Black Consciousness: David Walker to Steven Bantu Biko*

Presenter: **Imer Arnautovic**, Graduate Student, *Mindfulness Polarizes Certainty in Moral Decisions more for Impersonal than for Personal Dilemmas*

Presenter: **Kamau Grimes**, Graduate Student, *Is Pan- Africanism Still Alive in the Era of Globalization? Exploring the Case of Ethiopians and African-Americans in Washington DC?*

Presenter: **Monique Major**, Graduate Student, *From Heart Rate Variability to Personality: A Multilevel Understanding of Individual Differences During the Creative Process*

## SESSION II

11:15AM – 12:30PM

GALLERY LOUNGE

CREATIVE ARTS & DESIGN

Presenter: **Milbert Brown**, Junior Faculty/ Lecturer/ Instructor, *“A visual study of images featuring Black culture and life produced by four African American photographers”*

Presenter: **Khadija Roane**, Undergraduate Student, *The Juxtaposition Present in Women’s Roles in Theatre*

Presenter: **Chanique Rochester**, Undergraduate Student *Black Media Outlets in the United States and its Relation To The African American Community*

Presenter: **Tahirah Nall**, Undergraduate Student, *The Modern Mother: Redefining Race and Age in Contemporary Motherhood*

Presenter: **Andreya Davis**, Undergraduate Student  
*Adapting Health Communication Methods to Cultural Needs: South Africa & United States*

Presenter: **Anthony Driver**, Undergraduate Student, *Struggle to Democracy in contemporary Russia*

Presenter: **Jerald Gooden**, Undergraduate Student, *Some Things Are Never Forgotten*

Presenter: **Alysa Herrera Taylor**, Undergraduate Student, *Cultural and Academic Socialization: The Effects of Parental Involvement on Student School Performance among African American Youth*

Presenter: **Amber Walden**, Undergraduate Student, *Intersectional Marxism*

Presenter: **Brandon Hogan**, Junior Faculty/ Lecturer/ Instructor, *Hegelian Constitutivism and the Shmagency Objection*

Presenter: **Rachel Kersey**, Undergraduate Student, *The Effect of Abrahamic Religious Text on the Treatment of Animals*

Presenter: **Udodilim Nnamdi**, Undergraduate Student  
*The Truth Behind the TRC: A Study of the TRC's Failures, Shortcomings, & Denial of Civil Society*

Presenter: **Assya Pascalev**, Senior Faculty, *Is Hear Transplantation a No-brainer?*

Presenter: **Thais Ridgeway**, Professional Student, *A Caged Voice: The Battle Between Public Employees & Free Speech*

11:15AM – 12:30PM | ROOM 150 | HUMANITIES

Presenter: **Addis-Asia Anderson**, Undergraduate Student, *Dance and Diplomacy*

Presenter: **Stephen Baynes**, Undergraduate Student, *The United States and Ussr Relationship During the 1980 Olympics*

Presenter: **Alana Jones**, Undergraduate Student, *An Epidemiologist Reads Lucretius*

Presenter: **Clara-Grazia Romeo**, Undergraduate Student, *Women's Evolving Roles in Dystopian Literature*

Presenter: **Ashley Williams**, Undergraduate Student, *The "African-Aristocrat" in Egyptian Nights*

11:15AM – 11:45AM | WEST BALLROOM | SOCIAL SCIENCES

Presenter: **Keadrick Peters**, Graduate Student, *Bigger than Banning the Box: Analyzing the responsibility of the State employing restorative justice*

Presenter: **Leticia Williams**, Graduate Student, *#Science: An Exploration of Public Engagement and Understanding of Science through NOAA's Twitter*

11:15AM – 12:30PM | ROOM 148 | SOCIAL SCIENCES

Presenter: **Noor Hameededdin**, Graduate Student, *Arab Americans' Representation in American News Media*

Presenter: **Kimberly Harper**, Graduate Student, *Exploration in the Day of a Digital Footprint: A Critical Review of "Digital Footprint: Assessing Risk & Impact" by the Department of Homeland Security*

Presenter: **Nichole Hawkins**, Graduate Student, *Spiritual Pathways to Healing: A Culturally Sensitive Approach to Addressing Racial Violence Among People of Color*

Presenter: **Jennifer Myers**, Graduate Student, *Gender Specific Emotional Trajectories: A Linguistic Analysis of Written Trauma Narratives*

Presenter: **Shadya Sanders**, Graduate Student  
*Perceptions of Safety and its Gendered Differences: An Exploratory Analysis of Severe Weather Reactions*



Presenter: **Adea Kelly**, Graduate Student, *Colorism Influences African Americans' Perceptions of Stereotypic Traits and Attractiveness*

Presenter: **Karen Kolivoski**, Junior Faculty/ Lecturer/ Instructor, *Under and Overrepresentation of African Americans: Subgroups of Juvenile and Criminal Justice System Involvement Among Child Welfare System Youth*

Presenter: **Ashley Lewis**, Graduate Student, *“Party and Bullshit”: When Black Rage Meets Commodification*

Presenter: **Abbas Malek**, Senior Faculty  
*Demographics, democracy and communication: Local-global connections in a dramatically changing U.S. landscape*

Presenter: **Nkechi Enwerem**, Junior Faculty/ Lecturer/ Instructor, *Behavioral Assessment in a rural community in Lagos State Nigeria – A pilot study.*

### SESSION III

Presenter: **Hang Liu**, Post Doc/Resident/Fellow/Research Associate  
*Synthesis and Evaluation of Hydrolysis Resistant Dental Restorative Resin*

Presenter: **Mehad Musbah**, Post Doc/Resident/Fellow/Research Associate,  
*Renal s of Sickle Cell Disease: Histopathological Findings . Musbah M1, Osman M2, Mustafa M2, Nwaogwugwu U3, Iheagwara S3, Mere C3, Mehari A2*  
*1Department of Internal Medicine, 2Division of Pulmonary and Critical Care, 3Divison of Nephrology*

Presenter: **Priscilla Okunji**, Junior Faculty/ Lecturer/ Instructor, *Differences in Patient Outcomes of Myocardial Infarction in Urban Teaching and Non-Teaching Hospitals*

Presenter: **Eva Polston**, Junior Faculty/ Lecturer/ Instructor, *Correlations between Oxytocin Neuronal Cell Number and Social and Depressive-Like Behaviors in a Rodent Social Deprivation Model*

1:30PM – 2:30PM | READING ROOM | BIOLOGICAL & BIOMEDICAL SCIENCES

Presenter: **Nowah Afangbedji**, Undergraduate Student, *Effects of Phenyl-1-pyridin-2-yl-ethanone (PPY)-based Iron Chelators on the Formation of Methemoglobin*

Presenter: **Honoree' Brewton**, Undergraduate Student, *Alternative Nesting Materials for the Environmental Enrichment of C57BL/6 and BALB/c Mice*

Presenter: **Earyn McGee**, Undergraduate Student, *Microhabitat Selection by the Lizard *Sceloporus jarrovii* Across Four Years*

Presenter: **NaTazah O'Neil**, Undergraduate Student, *Understanding the Genetic Basis of Salt Sensitivity in Populations of African Descent*

1:30PM – 2:30PM | ROOM 148 | BIOLOGICAL & BIOMEDICAL SCIENCES

Presenter: **Paul Austin**, Post Doc/Resident/Fellow/Research Associate, *Neuronal Firing Pattern Changes Using Reversible Jump Markov Chain Monte Carlo*

Presenter: **Olubukola Kalejaiye**, Post Doc/Resident/Fellow/Research Associate, *Prenatal Nicotine Exposure Differentially Regulates Glutamatergic Expression Among Sexes in Hippocampal Sub-regions of Young Rats*

Presenter: **Namita Kumari**, Post Doc/Resident/Fellow/Research Associate, *Hypoxia and Low Labile Iron Pool Restricts HIV-1 in PBMC from Sickle cell Disease*

Presenter: **P. Kurian**, Post Doc/Resident/Fellow/Research Associate, *Exercise-Induced Changes in Microtubule Stabilization in Alzheimer's Disease Mediated by Ultraweak Emission of Ultraviolet Photons?*

1:30PM – 2:30PM | FORUM | PHYSICAL SCIENCES & ENGINEERING

Presenter: **Daniel Casimir**, Junior Faculty/ Lecturer/ Instructor, *Raman Spectroscopy of Carbon Nanotubes and Tungsten Oxide for Energy-Storage and Sensor Applications*

Presenter: **Preethi Chandran**, Junior Faculty/ Lecturer/ Instructor *Unusual salt and pH induced changes in Polyethylenimine solutions*

Presenter: **Pratibha Dev**, Junior Faculty/ Lecturer/ Instructor, *Deep Defects in SiC as Solid-State Qubit Candidates: Electronic Structure Properties*

Presenter: **Skander Chaouch-Bouraoui**, Graduate Student  
*Material Property Effects on Vivaldi Antennas*

Presenter: **Raul Garcia-Sanchez**, Graduate Student, *Pattern Recognition Using Matlab Algorithms and Numerical Simulations for Large Databases*

Presenter: **Sium Gebremariam**, Graduate Student, *Wind speed comparison of Climate models, Reanalysis and Observations over North America*

Presenter: **Ayobami Idubor**, Graduate Student, *Inverse Method of Electromagnetic Waves Problem and Subsurface Radar Cross Section*

Presenter: **Adeyinka Laiyemo**, Senior Faculty, *A randomized trial of patterns of laxative ingestion to improve bowel preparation for colonoscopy*

Presenter: **Indra Mustapha**, Junior Faculty/ Lecturer/ Instructor, *The Prospective Association of Periodontal Disease and the Risk of Type 2 Diabetes*

## SESSION IV

Presenter: **Emmanuel Akala**, Senior Faculty, *Antiretroviral Drugs-Loaded Nanoparticles Fabricated by Dispersion Polymerization for GALT Targetable Drug Delivery System*

Presenter: **Thomas Heinbockel**, Senior Faculty, *Cannabinoid-Mediated Neural Plasticity in Central Olfactory Neurons*

Presenter: **Marina Jerebtsova**, Junior Faculty/ Lecturer/ Instructor, *Role of Macrophage Stimulating Protein 1 (MSP1) in the Development of Glomerular Disease in Sickle Cell Disease*

Presenter: **Shaolei Teng**, Junior Faculty/ Lecturer/ Instructor, *Targeted Resequencing of DISC1 Pathway Genes Identifies Genetic Variants Implicated in Major Psychiatric Disorders*

2:30PM – 3:30PM | READING ROOM | BIOLOGICAL & BIOMEDICAL SCIENCES

Presenter: **Ennessa Curry**, Undergraduate Student, *Determining the Microbiota Composition and Presence of Plasmodium Species in Ethiopian Anopheles Mosquitoes*

Presenter: **Sidney Hall**, Undergraduate Student, *Arm Gesture Recognition through Surface Electromyography*

Presenter: **Jayla Harvey**, Undergraduate Student, *Worldwide Genetic Variation in Serotonin Pathway Genes Associated with Bipolar Disorder*

Presenter: **Tayannah Rivers**, Undergraduate Student, *Effects of Herbivore Experience and Elemental Plant Defense on Food Choice in a Specialist Insect*

2:30PM – 3:30PM | ROOM 148 | BIOLOGICAL & BIOMEDICAL SCIENCES

Presenter: **Swetha Parvathaneni**, Graduate Student, *Targeted genome editing to study the functions of cancer susceptibility genes*

Presenter: **Kevin Scriber**, Graduate Student, *Trophic ecology of Pomacea spp. in the La Plata Basin, Uruguay*

Presenter: **Darryl Taylor**, Graduate Student, *Robotic Surrogate Mother*

2:30PM – 3:30PM | AUDITORIUM | PHYSICAL SCIENCES & ENGINEERING

Presenter: **Vernon Morris**, Senior Faculty, *Chemical and Microbial Transport and Evolution by Mineral Dust Particulate and Implications to Health and Food Security*

Presenter: **Ricardo Sakai**, Post Doc/Resident/Fellow/Research Associate, *Upper Air Research at the Howard University Beltsville Campus*

Presenter: **Hessam Yazdani**, Junior Faculty/ Lecturer/ Instructor  
*Subsurface imaging of autofluorescent polymer composites*

Presenter: **Ang Yu**, Post Doc/Resident/Fellow/Research Associate, *Parametric Effect on Vivaldi Antenna Elements and Arrays*

2:30PM – 3:30PM | FORUM | PHYSICAL SCIENCES & ENGINEERING

Presenter: **Temitope Adegboye**, Graduate Student, *Impacts of Silver Nanoparticles Transformation on *Pseudomonas Aeruginosa* GFP Biofilm Growth*

Presenter: **Anietie Andy**, Graduate Student, *Name Variation in Community Question Answering Systems*

Presenter: **Nailah Brandy**, Graduate Student, *Synthesis and Characterization of Some New Emetine Amide Derivatives for Studies in Prostate and Breast Cancer Cells*

Presenter: **Lauren Carter**, Graduate Student, *Forecasting for Record Breaking Storms: A Case Study of Hurricane Patricia (2015)*

2:30PM – 3:30PM | WEST BALLROOM | PHYSICAL SCIENCES & ENGINEERING

Presenter: **Trey Morris**, Graduate Student, *Near-Field Information Transfer Between Half-Wave Dipoles on a Finite Ground Plane*

Presenter: **Adewale Olasumboye**, Graduate Student, *Dynamic Response of AA2519-T8 Aluminum Alloy under High Strain Rate Impact Loads.*

Presenter: **Komitige Perera**, Graduate Student, *Mannobiose-mannobiose Interactions, using Atomic Force Microscopy.*

Presenter: **Amirhassan Shams Ansari**, Graduate Student, *Processing and Fabrication of Diamond FETs For High Power - High Temperature Applications Using HFCVD- Grown Diamond*

2:30PM – 3:30PM | ROOM 150 | TRANSLATIONAL & CLINICAL SCIENCES

Presenter: **Mary Katherine Howell**, Graduate Student, *Cognitions and behaviors that disrupt sleep in formerly deployed US veterans.*

Presenter: **Xionghao Lin**, Post Doc/Resident/Fellow/Research Associate, *Systematic Responses of Human Embryonic Kidney 293T cells to Protein Phosphatase 1 Targeting Small Molecule 1E7-03 Revealed by Label-Free Quantitative Phosphoproteomics*

## SESSION V

3:30PM – 4:30PM | GALLERY LOUNGE | BIOLOGICAL & BIOMEDICAL SCIENCES

Presenter: **Ruby Boateng**, Graduate Student, *Identifying a new player in germline apoptosis in *Caenorhabditis elegans**

Presenter: **Briana Brown**, Graduate Student, *Amoxicillin Drug Delivery by Functionalized SBA-15*

Presenter: **Leslie McKinnon**, Graduate Student, *The impact of glucosinolates on the microbiota and host health of *Pieris rapae**

Presenter: **Abije Mekonnen**, Graduate Student, *Hydrodynamic Conditions and Media Concentration Variation on the Efficacy of Anti-Biofilm Agents*

3:30PM-4:30PM | READING ROOM | BIOLOGICAL & BIOMEDICAL SCIENCES

Presenter: **Onaje Artist**, Undergraduate Student, *Fluoxetine upregulates immature neurons in fetal alcohol exposed monkeys*

Presenter: **Jalyse Cuff**, Undergraduate Student, *Chinks in the armor: Is heavy metal uptake an effective defense for plants?*

Presenter: **Alexa White**, Undergraduate Student, *The Influence of Sunlight on the Habitat Selection by *Sceloporus jarrovii* (Yarrow's Spiny Lizard)*

3:30PM – 4:30PM | AUDITORIUM | PHYSICAL SCIENCES & ENGINEERING

Presenter: **Nischal Baral**, Undergraduate Student, *Pascals triangle and symmetric, connected, noncrossing graphs*

Presenter: **Anna Chambliss**, Undergraduate Student, *Redesign of Open Roadside Drains for Pedestrian Safety on Selected Roads in Dar es Salaam, Tanzania*

Presenter: **Javon Ford**, Undergraduate Student, *The Efficacy of Antioxidants in Preventing the Photodegradation of Collagen*

Presenter: **Robert Neblett**, Undergraduate Student, *Reflectance Based Detection of Oxidizers in Ambient Air*

3:30PM – 4:30PM | FORUM | PHYSICAL SCIENCES & ENGINEERING

Presenter: **Sarah Jones**, Graduate Student, *GENEVAR: a novel bioinformatics tool for population based testing of variants*

Presenter: **Mussie Kebede**, Graduate Student, *Extratropical Cyclones and Their Uncertain Nature: A Case Study of the January 2016 Mid-Atlantic Winter Storm*

Presenter: **Kirsten Lovelace**, Graduate Student, *Mechanical Engineering: Analyzing the Affects of Growth and Manufacturing Methods on Sapphire and Silicon Nitride Wafers Material Properties*

Presenter: **Erin Manaigo**, Undergraduate Student, *Role of Landscape Position and Nutrients in Forest Carbon Storage*

3:30PM – 4:30PM | ROOM 148 | PHYSICAL SCIENCES & ENGINEERING

Presenter: **Terry-Elinor Reid**, Post Doc/Resident/Fellow/Research Associate, *Cheminfomatic Modeling of CXC Chemokine Receptors*

Presenter: **Bishwa Silwal**, Undergraduate Student, *An investigation of Peak and Valley-Avoiding Dyck Paths*

Presenter: **Karretta Venable**, Graduate Student, *Characterizing the Impact of Aerosols on the Distribution of Water in the Tropospheric Column During the Monsoon Season in the Philippines*

Presenter: **D'Angelo Woods**, Graduate Student, *Impact of Electric Vehicle Charging Stations on Distribution Network Voltage Regulation in Washington, D.C.*

3:30PM – 4:30PM | ROOM 150 | TRANSLATIONAL & CLINICAL SCIENCES

Presenter: **Maurice Fluitt**, Graduate Student, *Circulatory MicroRNAs as Potential Biomarkers and Regulators of Metabolic Dysfunction in African American Adults with Type 2 Diabetes Mellitus*

Presenter: **Bria Rice**, Graduate Student, *Responsiveness and Reliability: Understanding Text Messaging Communication in a Pelvic Inflammatory Intervention*

Presenter: **Brandi Walker**, Graduate Student, *An Examination of the relationship between poor sleep and parental distress in medicated and unmedicated children with ADHD*

## Poster Exhibition

**Ghada Alem**, Graduate Student, Biological & Biomedical Sciences

*Serum Vitamin D Deficiency Among African American Women in the United States*

**Jameshisa Alexander**, Undergraduate Student, Biological & Biomedical Sciences  
*Bio-Historical Analysis of Cardiovascular Disease in the Cobb Collection*

**Malak Alghamdi**, Graduate Student, Biological & Biomedical Sciences  
*Musculoskeletal and Neural Comparison of Normal and Abnormal Development in Humans and Broader Medical Implications*

**Nujud Almuzaini**, Graduate Student, Biological & Biomedical Sciences  
*An Optophysiological Approach to Characterize Endogenous and Recombinant NMDA Receptors*

**Abdulrahman Alsayegh**, Graduate Student, Biological & Biomedical Sciences  
*The Relationship Between The Intake of Red Meats and The Incidence of Diabetes Mellitus Type 2 Among Pre-diabetic Adults In The United States*

**Mohammad Alzahrani**, Graduate Student, Biological & Biomedical Sciences  
*Factors Associated with Prescribing Broad-Spectrum Antibiotics for Children with Upper Respiratory Tract Infections in Ambulatory Care Settings*

**Ugoeze Ananaba**, Undergraduate Student, Biological & Biomedical Sciences  
*Aging increases Reactive Oxygen Species and Interleukin-17 concentrations in Peroxisome Proliferator Activated Receptor –alpha knockout mice during Angiotensin II Hypertension through a NADPH Oxidase Subunit-2 mechanism*

**Nii-Kwanchie Ankrah**, Post Doc/Resident/Fellow/Research Associate, Biological & Biomedical Sciences  
*Case report: Cannabinoid Hyperemesis Syndrome Coinciding with Menstrual Cycle*

**Nicole Arnold**, Graduate Student, Biological & Biomedical Sciences  
*Electroretinogram responses of receptors from the compound eyes of the brown marmorated stink bug*

**Sofiat Atoba**, Undergraduate Student, Biological & Biomedical Sciences  
*SEA98 Shows Lytic Activity Against *Brevillus spp* U102*

**Ifeoluwa Bamidele**, Undergraduate Student, Biological & Biomedical Sciences  
*Isolation and Characterization of the Bacteriophage Nicome19 from Howard University Soil*

**Kayla Bedeau**, Undergraduate Student, Biological & Biomedical Sciences  
*The Prevalence and Biohistory of Congestive Heart Failure in the Cobb Collection*

**Delamo Bekele**, Post Doc/Resident/Fellow/Research Associate, Biological & Biomedical Sciences  
*The evaluation of Syncope in a Predominantly Black Population: Focus on Neuroimaging. Agazi Gebreselassie MD 1, Delamo Bekele MBBS 1, Yonette Paul MBBS 1, Julius Ngwa MS PhD 2, Daniel Larbi MD 1. Departments of 1. Internal Medicine and 2 Cardiovascular Ph*

**Tiffany Bell**, Undergraduate Student, Biological & Biomedical Sciences  
*Developing an In Vitro Model of the Rapid Antidepressant Actions of NMDA Receptor Blockade*

**India Bradley**, Undergraduate Student, Biological & Biomedical Sciences  
*Isolation and characterization of bacteriophage Beatrice*

**Sayble Bradley**, Undergraduate Student, Biological & Biomedical Sciences  
*Determining the Genetics and Presence of Phage Species Found at Founder's Library*



**Danielle Brewer**, Undergraduate Student,  
Biological & Biomedical Sciences  
*Iba-1 as an Indicator of HIV-induced Neuronal  
Loss in the Hippocampus*

**Hassan Brim**, Senior Faculty, Biological &  
Biomedical Sciences  
*A metagenomics Analysis of Colorectal Adenoma  
Samples Reveals Subdoligranulum Functions  
as potential Markers of Early carcinogenesis in  
African Americans*

**Collis Brown**, Undergraduate Student, Biological  
& Biomedical Sciences  
*Muscadine Grape Skin Extract Inhibits Androgen-  
Independent Prostate Cancer Cell Growth,  
Inducing Cell Cycle Arrest, and Decreasing  
Migration By Targeting Heat Shock Protein40*

**Edward Brown**, Graduate Student, Biological &  
Biomedical Sciences  
*Impact of Neuromodulation on Cellular Activity  
in Brain Cells: Glutamate Receptor System and  
Endocannabinoid Receptor System Interactions*

**Chioma Bush**, Undergraduate Student, Biological  
& Biomedical Sciences  
*Capturing, Isolating, and Investigating Almighty22  
for DNA Isolation Using Host Bacterium U102*

**Devon Byrd**, Undergraduate Student, Biological  
& Biomedical Sciences  
*The Idiosyncrasy of Bacteriophage*

**Laura Campbell**, Undergraduate Student,  
Biological & Biomedical Sciences  
*The Interactions of Cyclooxygenases and  
Peroxisome Proliferator Activated Receptor  
- Alpha in the Brain during Angiotensin II  
Hypertension*

**Priscilla Carpenter**, Undergraduate Student,  
Biological & Biomedical Sciences  
*Disruption of Nrf2 Alters Brain Amyloid Beta  
Plaque Load in a APP+/PS1+ Mouse Model of  
Alzheimer's Disease*

**Jianfei Che**, Post Doc/Resident/Fellow/Research  
Associate, Biological & Biomedical Sciences  
*Core-Shell PCL/Silk-fibroin Nanofiber for Tissue  
Engineering: Combination of Biocompatibility and  
High Strength*

**Yuanxiu Chen**, Junior Faculty/ Lecturer/  
Instructor, Biological & Biomedical Sciences  
*Expression and Methylation in Posttraumatic  
Stress Disorder and Resilience; Evidence of a role  
for Odorant Receptors*

**Natalia Christian**, Undergraduate Student,  
Biological & Biomedical Sciences  
*Prevalence of Cerebrovascular Accident within  
African Americans of the Cobb Collection*

**Cameron Clarke**, Undergraduate Student,  
Biological & Biomedical Sciences  
*Population Status and Behavioral Ecology of  
Grivet Monkeys (*Chlorocebus aethiops*) in the  
Main Campus of Bahir Dar University, Bahir Dar,  
Ethiopia*

**Narica Clarke**, Undergraduate Student, Biological  
& Biomedical Sciences  
*Central Nervous System De-myelination in  
Pediatric SIV Infection*

**Keely Clinton**, Graduate Student, Biological &  
Biomedical Sciences  
*Analysis of Grave Soil Samples found in the New  
York African Burial Ground*

**Philippe Darius**, Post Doc/Resident/Fellow/  
Research Associate, Biological & Biomedical  
Sciences  
*Immune molecules can regulate motivation for  
binge drinking in alcohol-preferring rats*

**Rachel Darko**, Undergraduate Student, Biological  
& Biomedical Sciences  
*Small compounds regulating Arabidopsis RACK1A  
protein modulates growth hormone Gibberellin  
signaling pathways*

**Gabrielle Davis**, Undergraduate Student,  
Biological & Biomedical Sciences  
*Collection, Isolation, and Purification of a Phage,  
Specific to U102, From the Environment*

**Lundyn Davis**, Undergraduate Student, Biological  
& Biomedical Sciences  
*The Isolation and Purification of Bacteriophage  
LundynGrace from a Soil Sample Outside of  
Blackburn Center Using Bacterium U102*

**Emanuel Demissie**, Undergraduate Student,  
Biological & Biomedical Sciences  
*SEA-Phages Research*

**Candice Duncan**, Post Doc/Resident/Fellow/  
Research Associate, Biological & Biomedical  
Sciences  
*Profile and initial elemental determination of soil  
samples collected from the New York African  
Burial Ground Remains Invasive*

**Ngozi Elobuike**, Undergraduate Student,  
Biological & Biomedical Sciences  
*The Isolation, Purification and Characterization  
of Arah, a Bacteriophage, Isolated from a Howard  
University Soil Sample*

**Ugonna Ezeanya**, Undergraduate Student,  
Biological & Biomedical Sciences  
*The Isolation, Purification and Characterization  
of 'UE1298' Bacteriophage*

**Carina Felix**, Graduate Student, Biological &  
Biomedical Sciences  
*The Role of ABCG2 in Prostate Cancer*

**Lourds Fernando**, Graduate Student, Biological  
& Biomedical Sciences  
*Potential non-canonical roles of the 26S ubiquitin  
proteasome system in C. elegans reproduction*

**Derek Fitzgerald**, Undergraduate Student,  
Biological & Biomedical Sciences  
*Identifying the domain of PTPN14 responsible for  
LATS1 Activation*

**Brittany Galloway**, Undergraduate Student,  
Biological & Biomedical Sciences  
*Multiple paternity within Pomacea canaliculata  
(Caenogastropoda: Ampullariidae)*

**Agazi Gebreselassie**, Post Doc/Resident/Fellow/  
Research Associate, Biological & Biomedical  
Sciences  
*Case report: Unusual presentation of sarcoidosis:  
Encephalopathy and pancreatitis*

**Danoucheka Gelin**, Undergraduate Student,  
Biological & Biomedical Sciences  
*Fetal Alcohol Syndrome*

**Somiranj Ghosh**, Junior Faculty/ Lecturer/  
Instructor, Biological & Biomedical Sciences  
*Future Possibilities of Cancer Incidences  
in PCBs-exposed Children of Slovakia:  
An assessment from experimental and  
epidemiological gene expression studies*

**Shinelle Gilbert**, Undergraduate Student,  
Biological & Biomedical Sciences  
*Isolation of Bacteriophage S23 from Soil*

**Kyrionna Golliday**, Undergraduate Student,  
Biological & Biomedical Sciences  
*The Isolation and Purification of Kyrionna-97, a  
novel phage, specific to U102 Bacterium*

**Kristie Grant**, Graduate Student, Biological &  
Biomedical Sciences  
*Miconia dulcis: A New Species of  
Melastomataceae found in Bolivia*

**Donna Grant-Mills**, Senior Faculty  
*Overview of the Interface of the Cobb Research  
Laboratory and the Robert Wood Johnson Summer  
Medical and Dental Education Program (SMDEP)  
at Howard University*

**Whitney Griffith**, Undergraduate Student,  
Biological & Biomedical Sciences  
*The Correlations between African-American Life  
Experiences and Type 2 Diabetes*

**Nicholas Guthrie**, Undergraduate Student,  
Biological & Biomedical Sciences  
*Investigation of the Cobb Collection, A Statistical  
Approach*

**Terinney Haley**, Undergraduate Student,  
Biological & Biomedical Sciences  
*Investigating the Activity of Antimicrobial  
Chemical Compounds against Vibrio Cholerae*

**Kristian Harris**, Undergraduate Student,  
Biological & Biomedical Sciences  
*Extracting and determining the unique genome of  
bacteriophage Noyance from its DNA.*

**Austin Henderson**, Undergraduate Student,  
Biological & Biomedical Sciences  
*An Analysis of the Collection, Isolation, and  
Purification of Joseph, A Bacteriophage Taken  
from the Environment*

**Allison Hester**, Post Doc/Resident/Fellow/  
Research Associate, Biological & Biomedical  
Sciences  
*Palatable Food Intake May Correlate with Renal  
Orexin Receptor-1 Expression in a Rodent Model  
of Binge Eating*

**Geralynn Hinton**, Undergraduate Student,  
Biological & Biomedical Sciences  
*The Development of a Mass Spectrometry Method  
to Assess Two Neurosteroids: Allopregnanolone  
and DHEA in a Cohort of Fatigued Patients*

**Wangheng Hou**, Post Doc/Resident/Fellow/  
Research Associate, Biological & Biomedical  
Sciences  
*Two Polypyrimidine Tracts in Intron 4 of the  
Major Immediate-Early (MIE) Gene Are Critical  
for the Gene Expression Switching from IE1 to IE2  
and for Replication of Human Cytomegalovirus*

**Kyiah Hughes**, Undergraduate Student,  
Biological & Biomedical Sciences  
*Getting to know Unique: Purifying and  
characterizing a novel phage.*

**Melodie Hunter**, Undergraduate Student,  
Biological & Biomedical Sciences  
*Isolating, Purifying, and Characterizing a Novel  
Phage from the Environment*

**Marsha-Kay Hutchinson**, Undergraduate  
Student, Biological & Biomedical Sciences  
*The Effect of 1-deoxysphinganine on Vitamin D  
Production in MDA-MB-468 Breast Cancer Cells*

**Aliza Ibad**, Graduate Student, Biological &  
Biomedical Sciences  
*Detection and Typing of Human Papilloma Virus  
in Premalignant and Malignant Anal Lesions  
using Type-Specific PCR*

**Nabil Idris**, Graduate Student, Biological &  
Biomedical Sciences  
*Design and Synthesis of New 1, 4-Benzodioxane-  
6-Carboxylic Acid Derivatives as Potential Anti-  
Cancer Agents*

**Khristian Ifill**, Post Doc/Resident/Fellow/  
Research Associate, Biological & Biomedical  
Sciences  
*Assessment on the Resurgence of Rickets and  
Scoliosis on African Americans*

**Fatimah Jackson**, Junior Faculty/ Lecturer/  
Instructor, Biological & Biomedical Sciences  
*Enhancing Public Access to Recent Research on  
the African Burial Ground Materials: Grave Soil  
and Oral Microbiome Analyses*

**Jarrett Jackson**, Undergraduate Student,  
Biological & Biomedical Sciences  
*Expression of Tight Junction ZO-1 Protein in an  
Experimental Model of Sickle Cell Disease*

**Latifa Jackson**, Post Doc/Resident/Fellow/  
Research Associate, Biological & Biomedical  
Sciences  
*Comparative Analysis of DNA Extraction  
Techniques on DNA yield from Ancient Teeth*

**Nichelle Jackson**, Graduate Student, Biological &  
Biomedical Sciences  
*Protons Distinctly Influence Translocation of  
Gating Elements in the GluN1 and GluN2A  
N-methyl-D-aspartate Receptor Subunits*

**Tyrrell Jenkins**, Post Doc/Resident/Fellow/  
Research Associate, Biological & Biomedical  
Sciences  
*Parasitic Egg Consistent with Schistosoma on  
Rectosigmoid Biopsy*

**Denver Jn. Baptiste**, Graduate Student,  
Biological & Biomedical Sciences  
*The Role of the Scaffold Protein RACK1 mediated  
stress signaling pathways in plants*

**Joseph Jones**, Post Doc/Resident/Fellow/  
Research Associate, Biological & Biomedical  
Sciences  
*Lead in Teeth: Reconstructing Environmental  
Biohistory and Health at the New York African  
Burial Ground Using Laser Ablation-Inductively  
Coupled Plasma-Mass Spectrometry (LA-ICP-MS)*

**Younho Jung**, Post Doc/Resident/Fellow/  
Research Associate, Biological & Biomedical  
Sciences  
*Identifying the effects and treatment of  
Alzheimer's disease in African Americans*

**Lorrane Kabert**, Undergraduate Student,  
Biological & Biomedical Sciences  
*Metformin Treatment Increases Adiponectin  
Expression in Rat Adipose Tissue*

**Yah Kamei**, Undergraduate Student, Biological & Biomedical Sciences

*Ethogram of the Chinese Water Dragon, Physignathus cocincinus*

**Riya Kanherkar**, Graduate Student, Biological & Biomedical Sciences

*Pro-fibrotic pathway activation in trabecular meshwork and lamina cribrosa is the main driving force of glaucoma*

**Lakshmi Kannan**, Graduate Student, Biological & Biomedical Sciences

*CD8+ T-cell infiltration in epithelial and stromal tissues of MSI colorectal cancer patients.*

**Semegne Kebede**, Undergraduate Student, Biological & Biomedical Sciences

*Colorectal Cancer Screening: A Comparative Study*

**Javed Khan**, Post Doc/Resident/Fellow/Research Associate, Biological & Biomedical Sciences

*HIV related Stigma in Health Care Providers: A survey Study at Howard University Hospital.*

**Amber Kimble**, Undergraduate Student, Biological & Biomedical Sciences

*Identification of Brain Regions Associated with Morphine Aversion in Male and Female Rats*

**Edene Shirley Lakpa**, Undergraduate Student, Biological & Biomedical Sciences

*Bacteriophages from Waste Water Effluent Show Lytic Activity Against Antibiotic Resistant Emerging Pathogen Aeromonas sp. BP22*

**Victoria Larsen**, Undergraduate Student, Biological & Biomedical Sciences

*GATA3 germline variants and breast cancer survival outcomes in SWOG 8897 trial*

**Hatajai Lassiter**, Graduate Student, Biological & Biomedical Sciences

*The Effects of p21 Attenuation on HIV-1 Infection and Replication*

**Daisha LeBeau**, Undergraduate Student, Biological & Biomedical Sciences

*The Isolation and Purification of Phage LeBeau97*

**Justine Lewis**, Undergraduate Student, Biological & Biomedical Sciences

*Novel Discovery of the Presence of a Tyrosinase Inhibitory Activity in a Commercial Garlic Oil Preparation*

**Stephen Lin**, Post Doc/Resident/Fellow/Research Associate, Biological & Biomedical Sciences

*7T MR Anatomical and Diffusion Imaging in Ex-Vivo Pig Brains – A Pilot Study*

**Haley Lowe**, Undergraduate Student, Biological & Biomedical Sciences

*The Search For Putative Phage: Fruition*

**Jelani Lyda**, Undergraduate Student, Biological & Biomedical Sciences

*Isolating and Purifying Phageneko Bacteriophage*

**Jateh Major**, Professional Student, Biological & Biomedical Sciences

*Examining the Role of Historically Black Colleges and Universities (HBCUs) in Promoting Diversity in the Pharmacy Workforce*

**Janet Mansaray**, Undergraduate Student, Biological & Biomedical Sciences

*The Ecology of Phlebotomine Sand Flies, Vectors for Cutaneous Leishmaniasis in Ethiopia*

**Zahra Mansur**, Undergraduate Student, Biological & Biomedical Sciences

*The prevalence of multiple paternity within Pomacea spp. (Caenogastropoda: Ampullariidae) in the La Plata Basin, Uruguay*

**Allison Martin**, Professional Student, Biological & Biomedical Sciences

*Chronic Kidney Disease (CKD) in Black women: A Review*

**Aaliyah Meade**, Undergraduate Student, Biological & Biomedical Sciences

*The Isolation, Purification, and Characterization of Phenix15- a novel bacteriophage*

**Dagmawit Mekonnen**, Professional Student, Biological & Biomedical Sciences

*Hypertension in Black and White American Males: A Review*

**Zachary Mills**, Undergraduate Student, Biological & Biomedical Sciences

*Occurrence of Leishmania in Phlebotomine Sand Flies Collected in Northwest Ethiopia.*

**Brittney Morning**, Undergraduate Student, Biological & Biomedical Sciences

*Adrenal Androgens Increase CWR22 Growth and Provide Resistance to ADT*

**Sarai Mosby**, Post Doc/Resident/Fellow/Research Associate, Biological & Biomedical Sciences  
*Powered by Caffeine - Caffeine Typing*

**Frederick Nelson**, Undergraduate Student, Biological & Biomedical Sciences  
*Turning up the Heat: Climate Change Effects on an Antarctic Fish*

**Victoria Nguyen**, Undergraduate Student, Biological & Biomedical Sciences  
*Isolation and Characterization of the Brevibacillus strain U102 Phage Xuchi*

**Chelsea Nnebe**, Undergraduate Student, Biological & Biomedical Sciences  
*The Effects of Fatostatin on Mitosis*

**Oyonumo Ntekim**, Junior Faculty/ Lecturer/ Instructor, Biological & Biomedical Sciences  
*Identification and Quantification of Parinari Ethanol and Aqueous Extracts Using UHPLC-Tandem Mass Spectroscopy.*

**Stanley Nwabudike**, Post Doc/Resident/Fellow/ Research Associate, Biological & Biomedical Sciences  
*Chronic Eosinophilic Leukemia in an African American Male*

**Thomas Obisesan**, Graduate Student, Biological & Biomedical Sciences  
*GAD67 Expression in the Hippocampus and Medial Prefrontal Cortex of Adult Rats Shows Low Correlation to Early Exposure to Stress*

**Blessing Ogunlade**, Graduate Student, Biological & Biomedical Sciences  
*Ubiquitination Controls the Angiotensin Converting Enzyme 2 Expression Levels and Subcellular Localization*

**Tanjinatus Oishi**, Graduate Student, Biological & Biomedical Sciences  
*A Comparison of the Cost-Effectiveness of Community Pharmacy Based Promotion of Herpes Zoster Vaccine in 60 Year Olds and 70 Year Olds*

**EddiongAbasi Okon**, Undergraduate Student, Biological & Biomedical Sciences  
*Identification and Quantification of Parinari Ethanol and Aqueous Extracts Using UHPLC-Tandem Mass Spectroscopy.*

**Oluwatosin Olaitan**, Undergraduate Student, Biological & Biomedical Sciences  
*Indoor Air Quality Study on Howard University Chemistry Building Basement Level*

**Morenike Olu**, Undergraduate Student, Biological & Biomedical Sciences  
*Elucidating the role of AIB1 in invasive Triple Negative Breast Cancer cell lines*

**Morinne Osborne**, Undergraduate Student, Biological & Biomedical Sciences  
*Diversity of Mycobacteriophages Isolated from Soil Samples at Howard University*

**Jillian Pailin**, Undergraduate Student, Biological & Biomedical Sciences  
*Reduced Neurological deficits in pediatric SIV Infection using Antibody SMI-311*

**Christian Parry**, Post Doc/Resident/Fellow/ Research Associate, Biological & Biomedical Sciences  
*Discovery, Mapping and Validation of Posttranslational Modification in Ebolavirus Phosphoproteome by Tandem Mass Spectrometry and Conformational Analysis*

**Alexis Payne**, Post Doc/Resident/Fellow/Research Associate, Biological & Biomedical Sciences  
*Minimally Invasive Method to extract DNA from Dentition using Cobb Collection Human Skeletal Remains*

**Aaliyah Pleasant**, Undergraduate Student, Biological & Biomedical Sciences  
*The Isolation, Purification, and Observation of Bacteriophage Vanessa325*

**Aja Pollard**, Undergraduate Student, Biological & Biomedical Sciences  
*Identification and Characterization of Differential Properties of Tendon Stem Cells*

**Brandon Prince**, Undergraduate Student, Biological & Biomedical Sciences  
*Characterizing phage David:1997*

**Imazul Qadir**, Undergraduate Student, Biological & Biomedical Sciences  
*Isolation and Purification of Majetogmatis*

**Ashley Queen**, Graduate Student, Biological & Biomedical Sciences

*Characterization of BRCA1 SNPs of unknown clinical significance in breast cancer*

**Kristina Ramirez**, Undergraduate Student, Biological & Biomedical Sciences

*etr-1 plays a novel role in spermatogenesis in Caenorhabditis elegans*

**Shaina Reid**, Graduate Student, Biological & Biomedical Sciences

*Cranial Abnormalities and Human Trisomy 18: Osteogenic-Neural Development*

**Asia Riviere**, Undergraduate Student, Biological & Biomedical Sciences

*The study of the bacteriophage BonNaroo through infection of host bacterium U 102*

**Marlynn Rollins**, Undergraduate Student, Biological & Biomedical Sciences

*Isolation, Purification, and Partial Characterization of Phage Zelda*

**Whitney Russell**, Undergraduate Student, Biological & Biomedical Sciences

*The Influence of Public Assistance on Childhood Obesity in Lower Socioeconomic Populations: A Review*

**Noor Saeed**, Graduate Student, Biological & Biomedical Sciences

*Prescribing Patterns among Pregnant Women and Women of Reproductive Age among Office-Based Physician Visits*

**Wardell Samotshozo**, Graduate Student, Biological & Biomedical Sciences

*A machine learning approach to thermochromic substance detection*

**Shami Sarah**, Professional Student, Biological & Biomedical Sciences

*A Crowdsourced, Comprehensive Database of Rare Diseases Prevalent in People of African Descent: The Case Study of Sarcoidosis*

**Nika Sewell**, Undergraduate Student, Biological & Biomedical Sciences

*Biodiversity and the Assessment of Commercial Fish Species in Lake Tana*

**A. Keyana Simmons**, Undergraduate Student, Biological & Biomedical Sciences

*Justification for Penicillin G as a Treatment for Tertiary Stage Syphilis The Infamous Tuskegee Syphilis Study*

**Tamara Sullivan**, Undergraduate Student, Biological & Biomedical Sciences

*The Isolation and Purification of the Bacteriophage, Shorty*

**Grace Swanson**, Graduate Student, Biological & Biomedical Sciences

*Single Nucleotide Polymorphisms in Serotonin Receptor (HTR7) and its association with C-reactive protein (CRP) and Cortisol levels in African-Americans.*

**Hilina Teferra**, Professional Student, Biological & Biomedical Sciences

*A Crowdsourced, Comprehensive Database of Rare Diseases Prevalent in People of African Descent: The Case Study of Lassa Fever*

**Antolice Thomas**, Undergraduate Student, Biological & Biomedical Sciences

*Developmental NMDAR Blockade and the Sexual Dimorphic Alterations in Biochemical Markers of GABAergic Signaling*

**Grace Thomas**, Undergraduate Student, Biological & Biomedical Sciences

*The Isolation and Identification of a the bacteriophage, Tera*

**Breanna Thompson**, Undergraduate Student, Biological & Biomedical Sciences

*Isolating and purifying a bacteriophage sample taken from the environment for DNA analyzation.*

**Nancy Trang**, Undergraduate Student, Biological & Biomedical Sciences

*Isolating and Characterizing the Phage Qurius*

**Maimouna Traore**, Undergraduate Student, Biological & Biomedical Sciences

*Evidence for Arthritis and Specifically Osteoarthritis in the Cobb Collection*

**Guelaguetza Vazquez-Mevs**, Post Doc/Resident/Fellow/Research Associate, Biological & Biomedical Sciences

*Effect of Ferroportin Q248H Mutation on Cellular Iron Export and Ferroportin Degradation*

**Kimberly Vilmenay**, Graduate Student,  
Biological & Biomedical Sciences  
*Colorectal Cancer in Young African Americans: Is it time for new guidelines and prevention?*

**Jacob Walker**, Undergraduate Student, Biological & Biomedical Sciences  
*Gene X Environmental Factors of Hypertension within the African American Community*

**Makeeva Walker**, Undergraduate Student, Biological & Biomedical Sciences  
*Deletion of Interleukin-6 reduces renal inflammation and injury during Angiotensin II hypertension*

**Shengfeng Wan**, Post Doc/Resident/Fellow/Research Associate, Biological & Biomedical Sciences  
*Isolation and characterization of a novel human-like porcine G9P[23] rotavirus in China provide evidence for human-to-porcine interspecies transmission*

**Wei Wang**, Post Doc/Resident/Fellow/Research Associate, Biological & Biomedical Sciences  
*A preclinical study to evaluate MUC 7, a new salivary biomarker for the early diagnosis of diabetes*

**Ze-Jun Wang**, Post Doc/Resident/Fellow/Research Associate, Biological & Biomedical Sciences  
*Functional mGluR/Endocannabinoid Receptor Signaling in Regulation of Long-Lasting Currents in Mitral Cells of the Mouse Main Olfactory Bulb*

**Kyaira Ware**, Undergraduate Student, Biological & Biomedical Sciences  
*The Tree of Heaven?..... or The Tree of Hell?: The affect of *Ailanthus altissima* on nitrogen fixation in *Robinia pseudoacacia*.*

**Mahtab Waseem**, Undergraduate Student, Biological & Biomedical Sciences  
*A Chemical Screen for Chemical Compound Modulators of the *Vibrio cholerae* Phosphotransferase System and Biofilm Formation.*

**Alexandria Wells**, Professional Student, Biological & Biomedical Sciences  
*Targeted Sequence Polymorphism Selection of Manganese Superoxide Dismutase, Apoptotic, and DNA Repair Genes using HapMap and F-SNP for a Phase II Clinical Trial*

**Lauren Wells**, Undergraduate Student, Biological & Biomedical Sciences  
*Antimicrobial and Cytotoxicity Study of Silver Chloride/ Poly (3-hydroxybutyrate-co-3-hydroxyvalerate) (AgCl/PHBV) Film: A Potential Scaffold for Bone Tissue Regeneration*

**Kevin White**, Undergraduate Student, Biological & Biomedical Sciences  
*Subchronic Exposure Sensitizes Zebrafish Larvae to the Anesthetic Action of Dizocilpine (MK-801)*

**Peter Whitesell**, Junior Faculty/ Lecturer/ Instructor, Biological & Biomedical Sciences  
*A Pilot Study of Sleep Disordered Breathing and Nocturnal Hypoxemia in Young Adults with Sickle Cell Disease*

**Kevin Wickham**, Undergraduate Student, Biological & Biomedical Sciences  
*Characterizing the phage Maubee246*

**Kaila Wilcher**, Undergraduate Student, Biological & Biomedical Sciences  
*Green Coffee Bean Extract has a Hypotensive Effect and Decreases Arterial Stiffness in Obese Young Adult African American Women*

**Jahniece Williams**, Undergraduate Student, Biological & Biomedical Sciences  
*Detection of Superoxide Dismutase Activity in *C. elegans**

**Sierra Williams**, Post Doc/Resident/Fellow/Research Associate, Biological & Biomedical Sciences  
*Trends and Causes of African-American Osteoarthritis and Osteoporosis within the Cobb Collection*

**Tahirah Williams**, Undergraduate Student, Biological & Biomedical Sciences  
*Vancomycin resistant *Bacillus* sp. AWD is susceptible to Bacteriophages isolated from waste water effluent*

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

*The Power of Population Diversity in Probing  
the Biology of Positive Selection in Asthma  
Disparities*

**Yunkou Wu**, Junior Faculty/ Lecturer/ Instructor,  
Biological & Biomedical Sciences

*MR imaging of  $\beta$ -cell function using highly  
sensitive MRI contrast agent*

**Yinghong Xiao**, Post Doc/Resident/Fellow/  
Research Associate, Biological & Biomedical  
Sciences

*A novel nitrogen doped graphene/poly(3,4-  
ethylenedioxythiophene) composite as applied to  
neural electrodes*

**Xuetao Yue**, Post Doc/Resident/Fellow/Research  
Associate, Biological & Biomedical Sciences

*The Effect of Micro-arc Oxidation on the Bonding  
Strength of Ti/porcelain*

**Xiping Zhan**, Junior Faculty/ Lecturer/ Instructor,  
Biological & Biomedical Sciences

*Quinine Attenuates Hyperpolarization-induced  
Spiking in Dopaminergic Neurons Derived from  
Human iPSC cells*

**Lucy Lim**, Junior Faculty/ Lecturer/ Instructor,  
Business

*Reexamining clients' fee dependence on the  
auditor opinions' issued*

**Jean Wells**, Senior Faculty, Business

*Ineffective Internal Controls and Information  
Systems Lead to Largest Embezzlement in DC  
Government History*

**Clarice Metzger**, Undergraduate Student,  
Creative Arts & Design

*The social and cultural impacts of Hip-Hop on the  
Black community across generations*

**Amaya Starkey**, Undergraduate Student, Creative  
Arts & Design

*When African-American music artists explicitly  
express their experiences of being Black in  
America in their music, do they receive negative  
or positive feedback*

**Lori Allan**, Graduate Student, Creative Arts &  
Design

*Best Practices for Branding a Small, Black-  
Owned Business*

**Kelly Banks**, Undergraduate Student, Creative  
Arts & Design

*Examining Relationships Between Parental  
Education Levels, Income, and Childhood Art  
Experience*

**Reya Roussel**, Undergraduate Student, Creative  
Arts & Design

*Dance is a Weapon: The Activism of Pearl Primus*

**Chynere Best**, Graduate Student, Education &  
Outreach

*My Major Makes Me Crazy But Keeps Me Sane:  
Field of Study, Anxiety and Future Orientation  
Among College Students of African Descent*

**Dwayne Bryant**, Graduate Student, Education &  
Outreach

*"Siri Taught Me" The impact of the Internet  
and Technology on Education and Student  
Engagement*

**Kendra DeLaine**, Graduate Student, Education &  
Outreach

*Exploring the Relationship between Racial  
Identity Beliefs and Achievement Goal  
Orientations in African American Students*

**Nicole George**, Graduate Student, Education &  
Outreach

*Impact of educational module on occupational  
therapy students' knowledge of and interest in  
professional engagement issues*

**Wyneiceia Hyman**, Graduate Student, Education  
& Outreach

*Exploring Intersecting Microaggressions  
for Minority Women, Stressors, and Coping  
Mechanisms*

**Ayanna Johnson**, Graduate Student, Education &  
Outreach

*"I am not a Math Person": An Exploration of  
Math Anxiety and Strategies to Thrive*



**Jasmyn Ledford**, Graduate Student, Education & Outreach

*MAKE THE CHANGE: Implementation of positive behavior interventions and supports in elementary urban institutions.*

**Stacey McDonald Lowe**, Graduate Student, Education & Outreach

*An investigation of perceived stereotype threat experience of African American students attending Historically Black Colleges and Universities or Predominately White Institutions for undergraduate studies*

**Julie Patterson**, Graduate Student, Education & Outreach

*OT and Teacher Collaboration to Improve Handwriting Performance in the Classroom*

**Terranie Sims**, Undergraduate Student, Education & Outreach

*Understanding the Minds of Emerging Geniuses: An Analytical Review of the Reading & Language Abilities of Children with Asperger Syndrome*

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*Community Violence Exposure and Internalizing-Externalizing Behaviors: Moderating Effects of Parental Involvement and Cultural Socialization*

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*Identifying Best Practice Approaches for Custodial Grandparents Raising Children with Special Needs*

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*A Crowdsourced Comprehensive Database of Rare Diseases Prevalent in African American*

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*Black College Students in the 2016 Presidential Elections*

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*Scanning Probe Microscopy characterization of gold nanoparticles with application in LiFePO<sub>4</sub> Batteries*

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*Geospatial Assessment of Residential an Work Sites for Cobb Collection Individuals*

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*Nonlinear Bending Dynamics of a Semiflexible  
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*Introduction to Kinetics through an Experiment  
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*AIDS Related Kaposi Sarcoma Presenting as  
Protein Losing Enteropathy*

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*Fabrication and Transfer of Aligned Carbon  
Nanotube Films on Desired Substrates Tochukwu  
Uyanne, Thomas A. Searles (Faculty Advisor)*

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*Nitrogen and boron doping of HF-CVD diamond*

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*VooDoo, Santeria, and Obeah: Exploring the role  
of spirituality and religion in psychotherapy*

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*The Internal War: The Impact of Developmental  
History on the Involvement of Non-Resident  
African American Fathers in the Lives of Their  
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*Effects of Mindfulness, Life Satisfaction, and  
Stress on Physical Health amongst Minority  
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*Do Washington D.C. Residents Receive Fewer WMATA Metrorail Benefits than Suburban Commuters While Paying More of the Cost?*

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*African-American Students' Human Papillomavirus (HPV) Vaccination Decisions*

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*Promoting Non-Resident Black Father Involvement in Schools, Increasing Black Student Achievement, and Advancing Equity in Education*

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*Family Demographics and Approaches to the Creative Process*

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*Male Teachers in an Urban Environment: Efficacy and Commitment and the relationship with Preparation Pathways.*

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*Low prevalence of nonalcoholic fatty liver disease in African-Americans undergoing bariatric surgery at Howard University Hospital –observations in the longitudinal assessment of bariatric surgery (LABS) study*

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*Does a pathogenic mutation in African Americans with colorectal cancer be distinctive? A Targeted sequencing approach*

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*Comparison of Pathogenic Colorectal Cancer panel of gene between African American and Caucasian patients, a multi-center study*

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*Ibuprofen-induced anaphylactic shock and Non-ST-segment Elevation Myocardial Infarction. A case of Kounis syndrome?*

**Chibuikwe Ezeibe**, Professional Student,  
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*Assessing Impact of Student-Run Free Clinic on Urban Community*

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*Using the Nutrition Care Process To Address Health Disparities in Diverticulosis*

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*Early Caffeine Therapy is Not Associated with Mortality within 48 Hours of Life in Very Low Birth Weight Newborns*

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*Diverticular Diseases-Associated Colectomy in Urban African American patients: A Hospital based study.*

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Translational & Clinical Sciences

*Screen hours and Sleep Disturbances: in the 2005-2006 National Health and Nutrition Examination Survey*

**Jamil Kendall**, Professional Student,  
Translational & Clinical Sciences

*Revisional Bariatric Surgery in African Americans: Short Term Outcomes*

**Amol Kulkarni**, Junior Faculty/ Lecturer/  
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*Improving Antiviral Activity of IE7-03, an Ebola  
Virus Inhibitory Small Molecule, that Targets  
Protein Phosphatase-1*

**Buford Lauren**, Graduate Student, Translational  
& Clinical Sciences  
*Is there a relationship between Orthodontics  
and Speech Sound Disorders: The need for  
collaboration.*

**Mohammed Malhani**, Graduate Student,  
Translational & Clinical Sciences  
*Factors Affect Adoption of Computerized  
Physician Order Entry System*

**Chloe Martin**, Graduate Student, Translational &  
Clinical Sciences  
*Factors Associated with Intentions to Engage in  
Yoga among African American Breast Cancer  
Survivors*

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*Peripheral arterial disease in a 94 year old man  
with unilateral femoral-popliteal bypass surgery*

**Morgan Morrow**, Professional Student,  
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*Transferrin Receptor-targeted Liposomal Cisplatin  
for Cancer Therapy*

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Clinical Sciences  
*Apolipoprotein D is a potential urine biomarker  
for colorectal neoplasia*

**Alexis Osby**, Undergraduate Student,  
Translational & Clinical Sciences  
*Green Coffee Bean Extract Does Not Influence  
Cardiac Autonomic Modulation in Young Adult  
Obese African-American Women*

**Cherra Ross**, Graduate Student, Translational &  
Clinical Sciences  
*Improving the Function and Cognition of the  
Traumatic Brain Injured Through Attention  
Process Training*

**Forough Saadatmand**, Senior Faculty,  
Translational & Clinical Sciences  
*The Impact of Exposure to Community and  
Interpersonal Violence on Alcohol and Drug Use, and  
HIV Risk Behaviors among Young Adult African  
American*

**Zaki Sherif**, Junior Faculty/ Lecturer/ Instructor,  
Translational & Clinical Sciences  
*Clinical factors affecting NAFLD and NASH  
progression in African-American patients at a  
Howard University Hospital*

**Sanmeet Singh**, Professional Student,  
Translational & Clinical Sciences  
*Clinicopathological features of Sessile Serrated  
Polyp/Adenoma: Improving serration detection to  
adjust Interval follow-up colonoscopy*

**Norma Smalls, MD**, Senior Faculty, Translational  
& Clinical Sciences  
*The Impact of Coagulopathy on Traumatic Splenic  
Injuries*

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Research Associate, Translational & Clinical  
Sciences  
*The Correlation Between Malocclusion and the  
need for Speech and Language Therapy*

**Akbar Soleimani**, Post Doc/Resident/Fellow/  
Research Associate, Translational & Clinical  
Sciences  
*Adiponectin, Leptin, IGF1 and TNF $\alpha$  serum  
biomarker as noninvasive diagnosis of colon  
adenoma*

**Andre Wright**, Graduate Student, Translational &  
Clinical Sciences  
*Knowledge, Access and Utilization of Low Vision  
Assistive Technology*

**Yongxing Zhou**, Post Doc/Resident/Fellow/  
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*Varicella-Zoster Virus (VZV) Reactivation  
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### *Our Goal is to Increase the Diversity of our Faculty*

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