



**THE TIME IS
ALWAYS NOW**

**HOWARD UNIVERSITY
SESQUICENTENNIAL
— 1867 - 2017 —**

HOWARD UNIVERSITY

RESEARCH WEEK

April 10-14, 2017

PROGRAM BOOK





**THE TIME IS
ALWAYS NOW**

HOWARD UNIVERSITY
SESQUICENTENNIAL
— 1867 - 2017 —

HOWARD UNIVERSITY

RESEARCH WEEK

April 10-14, 2017

PROGRAM BOOK

HOWARD UNIVERSITY

Office of the Associate Provost
Research & Graduate Studies

April 13, 2017

Greetings to the Howard University Family and Friends:

With great pleasure, I welcome you to Howard University's Research Week 2017, April 10-14. This week 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.

As part of its mission and core values, Howard University continues to engage all of its students, faculty, and staff in an ecology- research environment that will lead to the next generation of innovators, allows for sustainable collaborations, moves toward measurable outcomes, and creates new work spaces and industries.

Over 550 faculty, students, and postdocs from the thirteen schools and colleges comprise this year's Research Symposium participants. I congratulate each of the presenters for their excellent presentations, as well as for their willingness to share their accomplishments. I hope that the Research Symposium will strengthen current partnerships, and spark new and further collaborations among your colleagues in the coming years.

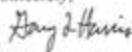
I would like to take this opportunity to express my gratitude to the Research Week's keynote speaker, Dr. Valerie Wilson, Director of the Economic Policy Institute's Program on Race, Ethnicity, and the Economy. Her presentation, "Black-white wage gaps expand with rising inequality," was very enlightening.

We are also grateful for the generous support and partnership of our sponsors, the National Science Foundation's HU ADVANCE-IT, Georgetown-Howard Universities Center for Clinical and Translation Science (GHUCCTS), and 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 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.

Sincerely,



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

2400 6th Street, NW, Suite 306
Washington, DC 20059



Telephone 202 806 2550
Facsimile 202 806 4971
www.howard.edu

KEYNOTE SPEAKER:

DR. VALERIE RAWLSTON WILSON

Dr. Valerie Rawlston Wilson is the Director of the Economic Policy Institute's Program on Race, Ethnicity, and the Economy (PREE), a nationally recognized source for expert reports and policy analyses on the economic condition of America's people of color. Prior to joining EPI, Wilson was an economist and vice president of research at the National Urban League Policy Institute in Washington, D.C., where she was responsible for planning and directing the Policy



Institute's research agenda. She has written extensively on various issues impacting economic inequality in the United States—including employment and training, income and wealth disparities, access to higher education, and social insurance—and has also appeared in print, television, and radio media. In 2010, through the State Department's Bureau of International Information Programs, she was selected to deliver the keynote address at an event on Minority Economic Empowerment at the Nobel Peace Center in Oslo, Norway. In 2011, Wilson served on a National Academies Panel on Measuring and Collecting Pay Information from U.S. Employers by Gender, Race, and National Origin.

Education

Ph.D., Economics, University of North Carolina at Chapel Hill

HOWARD UNIVERSITY RESEARCH WEEK

April 10-14, 2017

ACTIVITIES AT A GLANCE

MONDAY, APRIL 10

Research Week Kickoff

- 10:00 AM Research Week Keynote
Valerie Rawlston Wilson, Ph.D.
Black-White Wage Gaps Expand With Rising Inequality
Director, Race, Ethnicity, and the Economy
Economic Policy Institute
Interdisciplinary Research Building, Multipurpose Room
- 12:00 PM National Merit Award Reception & Fulbright Research
Presentations
Gallery Lounge, Armour J. Blackburn University Center

TUESDAY, APRIL 11

Engaging Faculty in Research

- 10:00 AM Inside-Out with Dr. Bahiyyah Muhammad
Ballroom, Armour J. Blackburn University Center
- 2:00PM A Showcase of Research by HU-ADVANCE-IT
Mini Grant recipients
Multipurpose Room, Interdisciplinary Research Building

HOWARD UNIVERSITY RESEARCH WEEK

April 10-14, 2017

ACTIVITIES AT A GLANCE

WEDNESDAY, APRIL 12

Research Discussion

- 8:00 AM Addressing Contemporary Issues for Africans and African Americans in the Curriculum
Digital Auditorium, Armour J. Blackburn University Center
- 9:00 AM Ryoichi Sasakawa Young Leaders Fellowship Fund (SYLFF) Session
Gallery Lounge, Armour J. Blackburn University Center
- 9:00 AM Team Science Symposium
Multipurpose Room, Interdisciplinary Research Building
- 11:00AM Forum on Contributions of Business Research to Entrepreneurship Success
Reading Room, Armour J. Blackburn University Center

THURSDAY, APRIL 13

Showcasing Research & Scholarly Activities

- 7:30 AM Research Symposium Registration & Continental Breakfast
Ballroom, Armour J. Blackburn University Center
- 8:30 AM Greetings and Opening Remarks
- 9:00 AM Oral and Poster Presentations
- 12:00 PM Lunch – Liberal Arts Diversity Officers
- 1:15 PM Oral and Poster Presentations
- 4:30 PM Closing

FRIDAY, APRIL 14

Celebrating Research at Howard University

- 1:00 PM From Research to Careers in Academia – Liberal Arts Diversity Officers
Gallery Lounge, Armour J. Blackburn University Center
- 2:00 PM Research Awards & 2017 Women in STEM Researcher of the Year Award
Multipurpose Room, Interdisciplinary Research Building

ACTIVITIES IN DETAIL

MONDAY, APRIL 10

Research Week Kickoff

10:00 AM Research Week Keynote

*Multipurpose Room, Interdisciplinary Research Building
Dr. Valerie Wilson – Director, Program on Race, Ethnicity, and the Economy*

Economic Policy Institute’s Dr. Valerie Rawlston Wilson will speak about rising economic inequality in the United States. Dr. Wilson is a national policy expert on economic inequality and people of color. She directs EPI’s Program on Race, Ethnicity, and the Economy. The title of her remarks will be “Black-White Wage Gaps Expand with Rising Inequality.”

12:00 PM National Merit Award Reception & Fulbright Research Presentations

Gallery Lounge, Armour J. Blackburn University Center

Howard University seniors and graduate students selected as winners and semi-finalists for the U.S. Fulbright Student Program will present their proposed research and planned academic studies abroad for the 2017-2018 academic year. Following the research presentations, all 2017 Howard University national prestigious scholarship award winners and finalists will receive award recognition for their upcoming research and studies abroad, including recipients and finalists of the Fulbright, Marshall, Rangel, Rhodes and Schwarzman Scholarships. Food and refreshments will be provided for lunch, buffet-style, throughout the research presentations and awards ceremony.

ACTIVITIES IN DETAIL

TUESDAY, APRIL 11

Engaging Faculty in Research

10:00 AM **Inside-Out with Dr. Bahiyyah Muhammad**
Ballroom, Armour J. Blackburn University Center

Dr. Bahiyyah Muhammad, Assistant Professor in the Department of Sociology & Criminology, will headline a three-part symposium discussing her three Inside-Out Courses taught at Howard University Prisons Inside Out (dealing with incarceration), Juvenile Inside Out (dealing with Juvenile Detention Centers) and Policing Inside-Out (dealing with creating a model to build and maintain community-police trust) and taught in partnership with the International Association of Chiefs of Police – IACP). The Inside-Out Prison Exchange Program, founded in 1997 at Temple University, was based on the simple hypothesis that incarcerated men and women and college students might mutually benefit from studying crime, justice, and related social issues together as peers. The Inside Out Courses create a dynamic partnership between institutions of higher learning and police departments, correctional systems and juvenile detention centers to deepen the conversation about contemporary incarceration and policing in America and transform educational approaches to understanding crime, justice, freedom, inequality, and other issues of social concern. The symposium will address (a) issues of crime and justice from the context of a correctional facility; (b) arrest, incarceration, re-entry and re-incarceration; (c) trust, communication and transformation as experienced by “Inside” and “Outside” students in the three courses; (d) 21st Century Policing and social justice issues; (e) best practices to build trust between law enforcement and their communities. Perspectives, Insight, Best Practices and Lessons Learned from Law Enforcement, Howard University Students and Faculty, Community Members and representatives from the DC Department of Corrections and Local Youth Development Centers will be presented during the symposium.

2:00 PM **A Showcase of Research by HU-ADVANCE-IT**
Mini Grant recipients
Multipurpose Room, Interdisciplinary Research Building

Over the past five years, HU ADVANCE-IT has provided seed funding to women in STEM researchers in the form of \$10,000 mini grants. The purpose of our mini grant program is to have an immediate impact on women faculty in STEM’s access to discretionary funds for research. These funds were meant to be used to catalyze collaborations, to attend meetings, and to provide bridge funding for research in between research grant awards. This symposium will showcase the research by the most recent cohort of mini-grant recipients and discuss how these funds were leveraged for larger sponsored research awards.

WEDNESDAY, APRIL 12

Research Discussion

8:00 AM Addressing Contemporary Issues for Africans and African Americans in the Curriculum

Digital Auditorium, Armour J. Blackburn University Center

Jessica Onuzo will briefly present the life, education and work of scientist Marie Maynard Daly and mathematician Dudley Weldon Woodard. Why is this important? Even though there are, and have been African American scholars throughout history, the works of African Americans still remain invisible in the STEM curriculum. Students might learn about African Americans in Civics courses but are pleasantly surprised to learn that the famous names that they might have heard of have significant STEM achievements attached to them. Presentation will be followed by a panel discussion.

9:00 AM Ryoichi Sasakawa Young Leaders Fellowship Fund (SYLFF) Session

Gallery Lounge, Armour J. Blackburn University Center

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. Dr. Mika Kato (Economics) will moderate the session.

9:00 AM Team Science Symposium

Multipurpose Room, Interdisciplinary Research Building

The 2017 Team Science Symposium hosted by Howard University Research Centers in Minority Institutions (RCMI) Program will be held from 9:00am to 1:00pm in the Interdisciplinary Research Building (IRB). This year's symposium will focus on building and sustaining basic science collaborations with industry partners and on successfully navigating clinical trials at Howard University. In the afternoon, please join the RCMI Program for light refreshments at their Networking Reception at 3:00 pm in the Interdisciplinary Research Building (IRB) as they present new program initiatives and interactive website. Faculty from all schools and colleges are welcome to attend.

11:00 AM **Forum on Contributions of Business Research to Entrepreneurship Success**
Reading Room, Armour J. Blackburn University Center

This forum will facilitate discussion with Howard University School of Business scholars whose research contributes to entrepreneurship success. With the first look at research from the School of Business, the goal is to build a network of researchers across the schools and colleges at Howard University to enhance interdisciplinary research on entrepreneurship from multiple facets to meet the needs of the entrepreneurial community. A panel of School of Business faculty will highlight key findings from his/her research that can be applied to the strategic and operational decision making of entrepreneurs across industries. The discussion also will include ideas for future research needed by entrepreneurs to enhance the realization of their vision.

THURSDAY, APRIL 13

Showcasing Research & Scholarly Activities

The Annual Research Symposium is the highlight of Howard University Research Week 2017. During the research symposium, students, faculty, and research staff will discuss their research findings with each other, external visitors from various federal agencies, private industry, and surrounding universities. Prizes will be awarded for winning presentations in several categories.

- 7:30 AM** **Research Symposium Registration & Continental Breakfast**
Ballroom, Armour J. Blackburn University Center
- 8:30 AM** **Greetings and Opening Remarks**
- 9:00 AM** **Oral and Poster Presentations**
- 12:00 PM** **Lunch – Liberal Arts Diversity Officers**
- 1:15 PM** **Oral and Poster Presentations**
- 4:30 PM** **Closing**

FRIDAY, APRIL 14

Celebrating Research at Howard University

1:00 PM **From Research to Careers in Academia – Liberal Arts
Diversity Officers**

Gallery Lounge, Armour J. Blackburn University Center

“The event culminates University-wide Research Week from April 10-14, is titled, “From Research to Careers in Academia.” The purpose of the event is to provide an opportunity for Ph.D. students and recent graduates to explore faculty career opportunities at some of the nation’s most prestigious liberal arts colleges. A panel of faculty and administrators with representation from a variety of disciplines will discuss the following:

- What a career at a liberal arts college looks like from the perspective of expectations and resources for teaching, scholarship, and service -- any questions you may have
- More than 100 tenure track faculty opportunities for 2017
- How to help you navigate your graduate and post-doctoral career
- How to put together an application, how to decide if a liberal arts college is right for you, and anything else you can think of

Graduate and undergraduate students will have the opportunity to network with representatives from Liberal Arts colleges. Representatives will present on faculty and research opportunities at their respective institutions. For those who are not currently looking for research or faculty opportunities, this would still be a great opportunity to make some valuable contacts for future employment.

If you have any interest, even if you don’t think you’ll be ready to apply in the very near future, come talk with us and learn more about our institutions.

2:00 PM **Research Awards & 2017 Women in STEM
Researcher of the Year Award**

Multipurpose Room, Interdisciplinary Research Building

Announcement of 2017 Research Award Winners and the 2017 Women in STEM Researcher of the Year Award.

Howard University Research Symposium

Blackburn Center

Thursday, April 13, 2017

PROGRAM

7:30 – 8:30 AM

Registration & Continental Breakfast

2nd Floor of Blackburn Center

8:30 – 8:50AM

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

Presentations

9:00 AM – 12:00 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

1:15 PM – 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

9:00AM-10:00AM | ROOM 150 | BUSINESS

Rajni Goel, Senior Faculty

In Pursuit of Greater Social Capital: Customizing Online Relationships for a Return on Investment

Anupam Kumar, Junior Faculty/ Lecturer/ Instructor

Top management team composition and environmental performance

Chinwe Obodo, Undergraduate Student

The Scramble for Africa: An Investigation of Neocolonialism and the Rise of Chinese Economic Influence within Africa

Amanda Scott, Undergraduate Student

Measuring the Effectiveness of Product Placement Among Millennial Audiences

9:00AM-10:00AM | GALLERY LOUNGE | EDUCATION & OUTREACH

Beverly Booker ammah, Junior Faculty/ Lecturer/ Instructor

Exploring the Efficacy of International Service Learning to U.S. College Student Development and Community Needs in Ghana among Students of Color

Bernard Kwabi-addo, Senior Faculty

Why Cancer Prevention and Early Detection Must be Priority

Nea Maloo, Junior Faculty/ Lecturer/ Instructor

The shades of Green - Analysis of the different building certifications/labels for green certifications, cost analysis

Charles Verharen, Senior Faculty

Howard University's Next 50 Years: Research and Teaching for the Bicentennial

9:00AM-10:00AM | ROOM 148 | ETHICS, LAW & RELIGION

Ashley Colvin, Undergraduate Student

Black women in law

Donshaya Courts, Undergraduate Student

The Challenges Facing Our Nation: Providing Possible Solutions to Police Brutality Against Citizens in the United States

Anupam Roy, Undergraduate Student

Breaking the Academy: Universal Education in the Age of Disintegrated Ethics.

9:00AM-10:00AM | READING ROOM | HUMANITIES

Nia Blasingame, Undergraduate Student
Reframing African Consciousness and Black Activism in the Soviet World

Ange Dye, Undergraduate Student
Moving On, Moving Up: Realities, Relations, and Advancement for Black Women in Post-Apartheid South Africa

Branson Falker, Undergraduate Student
Lack of Diversity Within the Media

Alexandra Green, Undergraduate Student
New Master, Same House: The Paradox of Black Women's Self Ownership in Beyonce's Lemonade

9:00AM-10:00AM | FORUM | SOCIAL SCIENCES

Elizabeth Akinbusuyi, Undergraduate Student
Russian Nationalism and its Implications for its Relationship with the West

Amanda Bonam, Undergraduate Student
Changing Perceptions of Environmental Responsibility in Southwest Washington, D.C.

Byrone Collins, Undergraduate Student
Mental Health of African Americans

Niara Jackson, Undergraduate Student
The Effects of Alcohol on the GPA of African American College Students: College Habits Affecting Academic Success

9:00AM-10:00AM | AUDITORIUM | SOCIAL SCIENCES

Aisha Gray, Graduate Student
The Effects of African Self-Consciousness on Self-Esteem in African American college women

Ricco Hill, Graduate Student
Mind and Body: Exploring Emotion, Emotional Regulation, and Heart Rate Variability

Tyriesa Howard, Graduate Student
"...[M]akes it seem more real": A Qualitative Exploration of the Sexual Health of African American Adolescents with HIV-Positive Mothers

Sharlene Leong, Graduate Student
Considerations for the Mini-Mental Status Exam in an African American Sample in a Primarily Urban Setting

SESSION II

10:00AM-11:00AM | ROOM 148 | EDUCATION & OUTREACH

Norah Alfawzan, Graduate Student

An Examination of Attitudes Towards Women in Leadership Positions in Public Universities in Saudi Arabia

Rhonda Celey, Graduate Student

Strengthening the Academy: Scholarly Productivity of Black Ph.D. Students

Joycelyn Hughes, Graduate Student

The Critical Need for African Centered Educational Leadership

10:00AM-11:00AM | GALLERY LOUNGE | ETHICS, LAW & RELIGION

Jay-paul Hinds, Junior Faculty/ Lecturer/ Instructor

The Seduction of Ole Massa's Sons: An Examination of Race, Religion, and Sexual Perversion in the Peculiar Institution.

Rachel Leslie, Graduate Student

The Key Nodes of Impact of the Transatlantic Slave Trade and its Subsequent White Supremacist Ideologies and Models on the work and structures of the Academy in the New World

Andrew Lofton IV, Graduate Student

The Churches Role in Education Reforming

10:00AM-11:00AM | READING ROOM | HUMANITIES

Dominique James, Undergraduate Student

Looking Inside: Black Women's Literature and Healing from Crimes against the Black Female Body

Khaliah Peterson, Undergraduate Student

Labor of Love: Literary Criticism in the Creative Writing of Fanfiction

Maya Reese, Undergraduate Student

Lack of Diversity in the Film Industry

Sydney Wilson-roberts, Undergraduate Student

The Impact of the Obama Family's Use of Social Media to Portray Familial Images on African-American Millennial Views of Marriage

10:00AM-11:00AM | ROOM 150 | SOCIAL SCIENCES

Karen Kolivoski, Junior Faculty/ Lecturer/ Instructor

Assessing the Financial Impact of Misdemeanor Court Fines and Fees in a Midwestern State

Indira Somani, Junior Faculty/ Lecturer/ Instructor

Color, Caste, and the Public Sphere: A study of black journalists who joined television networks from 1994-2014

Wei Sun, Junior Faculty/ Lecturer/ Instructor

A Critical Discourse Analysis of “Minority Women for Trump” Campaigns on Social Media

Heidi Thomas, Professional Student

Nana’s Need: How to Protect the Baby Boomer Generation Now Eligible for Medicare

10:00AM-11:00AM | FORUM | SOCIAL SCIENCES

Ashley Lewis, Graduate Student

Representations of Blacks in British Television: From Past to Present

Christian Mallett, Graduate Student

Adverse Childhood Experiences, Racial Identity, and Cardiac Autonomic Dysregulation

Zipporah Mccoy, Graduate Student

The Turning Point of Formerly Incarcerated African American Men

Kimberly Monroe, Graduate Student

A Seat At The Table: Resurfacing Black Women Writing the Black Radical Tradition through Poetry

10:00AM-11:00AM | AUDITORIUM | SOCIAL SCIENCES

Shadya Sanders, Graduate Student

The Future of Probabilistic Severe Weather Forecasting: A Case Study of the 2016 Hazardous Weather Testbed

Alisa Valentin, Graduate Student

Challenging the system: A history of Women’s activism in communication policy

Maryam Vuai, Graduate Student

Regional Financial Integration-Empirical Study for East African Community

SESSION III

11:00AM-12:00PM | ROOM 148 | CREATIVE ARTS & DESIGN

Cassidy Dixon, Undergraduate Student
Social Media and Business Relationships

Olivia Drake, Junior Faculty/ Lecturer/ Instructor
"I never looked at it that way!": Employing film semiotics in the video production classroom

11:00AM-12:00AM | FORUM | EDUCATION & OUTREACH

Obinna Asawabelem, Undergraduate Student
Give. Gain. Grow Ghana: Re-framing International Service Learning through the lens of Howard University ASB students.

Jori Fortson, Undergraduate Student
Breaking the Cycle: How Does Menstruation Impact Girls' Education?

Sadiyah Malcolm, Undergraduate Student
Black on Black Learning: Towards a 21st Century HBCU Aesthetic

Jaryn Trent, Undergraduate Student
The Effects of Study Time on Howard University Students' Academic Achievement

11:00AM-12:00PM | AUDITORIUM | SOCIAL SCIENCES

Alexa Walker, Undergraduate Student
African American Women in connection to Human Trafficking in the United States

Megan Ware, Undergraduate Student
An Exploratory Study on Coping Mechanisms, Academic Performance and Personality Traits for Howard University Undergraduate Black Males

Sydney Williams, Undergraduate Student
Does Racial Bias in the News Coverage of Crimes Affect Racial Attitudes in Society?

Romie Michel, Undergraduate Student
The Effects of Class Attendance on Grade Point Average After Controlling Selected Socio-demographic Variables

Brittany Scott, Undergraduate Student
Oppressed but never Enslaved: Youth Unemployment at the Hands of a Post-Apartheid Nation

Jaidah Sizer, Undergraduate Student
Television, The Media, and the Portrayal of Mental Illness.

SESSION IV

Hassan Brim, Senior Faculty
Gut microbiome analysis reveals major dysbiosis in Sickle Cell Diseases patients with a prevalence of Veillonella strains

Thomas Heinbockel, Senior Faculty
Reversible Firing Pattern Transformation in Central Olfactory Neurons

Fatimah Jackson, Senior Faculty
Exploring the Effects of Ancestral Genetic Composition on African American Identity

Sudha Sharma, Senior Faculty
Emergence of a DNA Repair protein from basic science to translational medical research

Nowah Afangbedji, Undergraduate Student
Upregulation of Renal Iron Metabolism in Sickle Cell Disease Mice

Zhenhong Chen, Undergraduate Student
Osteological Expression of Tuberculosis within The Cobb Collection

Rachel Darko, Undergraduate Student
Small compounds regulating Arabidopsis RACK1A protein modulates growth hormone Gibberellin signaling pathways

Justine Lewis, Undergraduate Student
Targeting STAT3 to Inhibit Cancer Cell Growth by Genetic and Pharmacologic Methods

Olubukola Banmeke, Graduate Student

Effects of Thymus vulgaris and Varroa destructor on survival and health of European honey bees, Apis mellifera

Ruby Boateng, Graduate Student

Novel functions for the RNA-binding protein ETR-1 in Caenorhabditis elegans reproduction and physiological germline apoptosis

Deondre Glover, Graduate Student

Microbial Kinetics of Bacterial Isolates Capable of Iodate Reduction in the Presence of Nitrate and Varying Concentrations of Oxygen

Churchill Ihentuge, Graduate Student

Estimation of Body Status of 19th and 20th Century African Americans Using Skeletal Remains of the Cobb Collection

Tito Huber, Senior Faculty

Photocurrent in Bismuth Junctions with Graphene at Room Temperature

Anup Shukla, Post Doc/Resident/Fellow/Research Associate

Stochastic Modeling and Optimization in Micro-Grid

Solmaz Tabtabaei, Junior Faculty/ Lecturer/ Instructor

Electrostatic Separation as a Sustainable Approach for Dry Fractionation of Agricultural Flours

Hessam Yazdani, Junior Faculty/ Lecturer/ Instructor

Optimizing structures: nature leads the way - case study: optimization of offshore foundations using ant colony optimization

Pratibha Dev, Junior Faculty/ Lecturer/ Instructor

Theoretical/Virtual Synthesis of Ultra Thin Diamonds: Chemically Induced Phase-Change in Graphene

Gulriz Kurban, Post Doc/Resident/Fellow/Research Associate

Ligand-based Pharmacophore Modeling of Human CC-Chemokine Receptor 4 Allosteric Antagonists

James Momoh, Senior Faculty

Framework Implementation for CPES on Micro-grid Test Bed

Hassan Salmani, Junior Faculty/ Lecturer/ Instructor
COTD: Reference-Free Hardware Trojan Detection and Recovery Based on Controllability and Observability in Gate-Level Netlist

1:15PM-2:15PM | ROOM 148 | TRANSLATIONAL & CLINICAL SCIENCES

Emmanuel Akala, Senior Faculty
Microenvironmental Responsive Polymeric Nanoparticles Fabricated By Dispersion Polymerization for The Delivery of Bioactive Agents

Earl Ettienne, Junior Faculty/ Lecturer/ Instructor
Clinical Pharmacogenetic Testing in the Management of Opioid Use Disorder: A Case Series

Xinbin Gu, Senior Faculty
MiRNA-124 Mediates Sphingosine Kinase 1 Expression, Sphingosine-1-phosphate and Ceramide Signaling Pathways in Head and Neck Squamous Cell Carcinoma

SESSION V

2:15PM-3:15PM | GALLERY LOUNGE | BIOLOGICAL & BIOMEDICAL SCIENCES

Simeon Adesina, Junior Faculty/ Lecturer/ Instructor
Site-specific brusatol delivery to facilitate clinical translation for cancer chemotherapy

George Middendorf, Senior Faculty
*Sloths in the city: unexpectedly high density of pale-throated three-toed sloths (*Bradypus tridactylus*) found in an urban forest patch in Paramaribo, Suriname*

Zaki Sherif, Senior Faculty
TP73's regulation and expression in human cancer cell lines

Priscilla Wessly, Post Doc/Resident/Fellow/Research Associate
Effect of gender on the association of isokinetic quadriceps strength with hypertension among older Americans.

Janet Mansaray, Undergraduate Student
*Molecular phylogeny of *Rumex* based on *psbA-trnH* intergenic spacer*

Rita Okolo, Undergraduate Student
Cancer in an Historic Washington DC African American population

Morgen Owens, Undergraduate Student
Edaphic factors influence stomatal development and physical defense in a Ni-hyperaccumulator

Gean Abotsi, Professional Student
Open & Endovascular Ruptured AAA Repair Have Equivalent Outcome When Performed Weekdays vs Weekends

Julien Jean-francois, Professional Student
Should Active Surveillance Be Offered to African American Men with Low Risk Prostate Cancer?

Sandeep Nadella, Post Doc/Resident/Fellow/Research Associate
Dietary Fat Stimulates Growth of Pancreatic Cancer Growth Through The Cholecystokinin Receptor

Fasil Tiruneh, Post Doc/Resident/Fellow/Research Associate
Analyses of Ventilation perfusion (VQ) scan results as compared with clinical probability of pulmonary embolism in a predominantly Black population

Oluwaseye Adekanye, Graduate Student
Non-standard Finite Difference (NSFD) Schemes : Achieving Dynamical Consistency

Hawazin Alghamdi, Graduate Student
Adsorption and Separation of Water and Nitrogen Mixtures on a Graphene Substrate

Daniel Attah, Graduate Student
Simultaneous Transformation of Co-existing Cr(VI)-TCE Contaminant Media Using Zero Valent Iron, ZVI.

Alejandro Pardo ramos, Graduate Student
Validation and verification of bidirectional seismic analysis of a high damping rubber isolation system

Christopher Cross, Graduate Student

A Historic African American Skeletal Collection Reveals Bacterial Infections

Abraham Kazemi, Professional Student

Efficacy and Safety of Azelaic Acid 15% Gel versus Hydroquinone 4% Cream in the Treatment of Melasma

Kalie Kowalski, Graduate Student

Orthodontists and Speech-Language Pathologists: Investigating the Need for IPP and IPE

Keisha Lindsay, Graduate Student

A Developmental Profile of Phonology in Trinidadian English Creole-Speaking Preschoolers

Adebayo Atanda, Post Doc/Resident/Fellow/Research Associate

Rheumatic Heart Disease in Sickle Cell Disease in Sub-Saharan Africa

Maurice Fluitt, Post Doc/Resident/Fellow/Research Associate

Dysregulation of Energy Regulating Hormones and MicroRNAs: A Model of Metabolic Dysfunction

Xionghao Lin, Post Doc/Resident/Fellow/Research Associate

Inhibition of HIV-1 Infection in Humanized Mice and Metabolic Stability of Protein Phosphatase-1-targeting Small Molecule 1E7-03

Anahita Shahnazi, Post Doc/Resident/Fellow/Research Associate

Utility and Safety of ERCP in the Elderly

SESSION VI

3:15PM-4:30PM | GALLERY LOUNGE | BIOLOGICAL & BIOMEDICAL SCIENCES
TRANSLATIONAL & CLINICAL SCIENCES

Janelle-cheri Millen, Post Doc/Resident/Fellow/Research Associate
A Rare Case of Segmental Testicular Infarction in a Patient with Polycythemia Vera

Priscilla Okunji, Junior Faculty/ Lecturer/ Instructor
Prevalence of Alzheimer Disease in Hospitalized Patients with Congestive Heart Failure: Patient Characteristics

Christian Parry, Junior Faculty/ Lecturer/ Instructor
Global Phosphoproteomic and Structural Analyses of Ebola Virions

Ebony Russ, Graduate Student
Does FEV1 in addition to Fixed Ratio and/or Lower Limit of Normal of FEV1/FVC improve prediction of Mortality? The NHANES-III-linked-Mortality Cohort

Marie Plaisime, Graduate Student
Airflow Obstruction, Cognitive Function and Mortality in a US National Cohort: NHANES-III

3:15PM-4:30PM | ROOM 148 | BIOLOGICAL & BIOMEDICAL SCIENCES
TRANSLATIONAL & CLINICAL SCIENCES

Latifa Jackson, Post Doc/Resident/Fellow/Research Associate
Violence impacts allostatic load IgE and Epstein Barr Virus levels in urban youth

Namita Kumari, Post Doc/Resident/Fellow/Research Associate
Altered Iron Metabolism in Sickle Cell Disease Modulate Viral Restriction Factors

Kevin Scriber, II, Graduate Student
*The diet and trophic position of apple snails (*Pomacea* spp.) in native habitats.*

Michael Smith, Graduate Student
*Susceptible snails treated with actin-myosin inhibitor before exposure to *Schistosoma mansoni* lowers stress levels in snails*

Stephanie Purnell, Professional Student
Genitourinary Paraganglioma: Demographic, Pathologic, and Clinical Characteristics in the Surveillance, Epidemiology, and End Results (SEER) Database (2000-2012)

Riya Kanherkar, Graduate Student

Generation of Induced pluripotent stem cells (iPSCs) from Hutchinson-Gilford Progeria Syndrome (HGPS) patient fibroblasts using lentiviral, episomal and mRNA based reprogramming methods

Israa Malli, Graduate Student

Scaffold Protein RACK1 Potentially Regulates IRES-mediated Virus Translation: A Target for HIV-1 Proliferation Inhibition

Swetha Parvathaneni, Graduate Student

Molecular regulation of chemotherapeutic response in cancer

Komitige Perera, Graduate Student

Mannosylated Surfaces exhibit self-adhesive interactions

Timara Benson, Graduate Student

The Effects of Household Co-solvents on Trichloroethylene Solubility

Tiffany Ellison, Graduate Student

A Novel Synthesis for the Darunavir Core

Jamal Gilmore, Undergraduate Student

Development and Optimization of Machine Learning Algorithms & Models of Relevance to Large Databases Using MatLab

Darryl Jennings Jr., Graduate Student

Feasibility of effective cooling through integrating Microchannel Heat Sinks (MCHSs) and nanofluids in power module design

Tigist Mohammed, Graduate Student

A Hybrid Fuzzy Logic and Artificial Neural Network Based Load Frequency Control for Micro Grid

Keenan Hunt-stone, Undergraduate Student
Using Apollo Data to Characterize the Lunar Environment

Marina Markous, Undergraduate Student
Characterization and Properties of Wrinkle-free Cotton Fabrics via 1,2,3,4-Butanetetracarboxylic acid and Polypropylene glycol diethyl ether

Michael Schroeder, Undergraduate Student
Bison Bikes

Simone Stanley, Undergraduate Student
ThermoHUE: A Smartphone Application for Chemical Kinetics Experiments

Antoine Vignon, Undergraduate Student
Analysis of Graphene/semiconductor interfaces using Raman spectroscopy

Iman Ahmed, Undergraduate Student
Characterization of Functionalized Graphene Nanoplatelets using Scanning Electron Microscopy and Raman Spectroscopy

Alston Clark, Undergraduate Student
Identification With Machine Learning Algorithm: K-Nearest Neighbors

Damon Gresham-chisolm, Undergraduate Student
Method for automated measuring of residual resistance ratio and superconducting transition temperature of single substrate materials in superconducting microchips

Aaron Jackson, Post Doc/Resident/Fellow/Research Associate
Electronic Control of the Charge State of Nitrogen Vacancies in Diamond

Marie-urlima Okeke, Graduate Student
Model of vestibular fluid response to body motion

Poster Exhibition

Yvonne Abbey, Graduate Student, Translational & Clinical Sciences

Stealth Polymeric Nanoparticles Fabricated by Dispersion Polymerization for Combination Drug Loading Suitable for Breast Cancer Treatment

Tomilowo Abijo, Graduate Student, Biological & Biomedical Sciences

Downregulation of spargel/dPGC-1 in the wings protects epithelial cell death like a proapoptotic gene

Edem Abotsi, Graduate Student, Biological & Biomedical Sciences

Lower Extremity Arterial Reconstruction is Associated with Worse Outcomes when Performed on Weekends

Naomi Adams, Undergraduate Student, Physical Sciences & Engineering

Functionalized Silica Magnetite Nanoparticles for Magnetic Removal of Lead from Aqueous Solutions

Akeem Adebogun, Post Doc/Resident/Fellow/Research Associate, Translational & Clinical Sciences

Timing Of ERCP And Inpatient Mortality Among Patients Hospitalized For Cholangitis

Adetokunbo Adedokun, Post Doc/Resident/Fellow/Research Associate, Translational & Clinical Sciences

Evaluation of Vancomycin Dosing and Monitoring at an Urban, Community Hospital in Washington, D.C.: A Pre- and Post-Intervention Study

Oluwakemi Adeola, Graduate Student, Translational & Clinical Sciences

A systematic Review of the Effects of Hibiscus Sabdariffa on Metabolic Syndrome

Adewale Adepoju, Graduate Student, Physical Sciences & Engineering

Effect of Sorted Single-Walled Carbon Nanotubes on Rate Capability of Lithium-ion Batteries

Ali Afsari, Post Doc/Resident/Fellow/Research Associate, Translational & Clinical Sciences

HPV, HIV and male gender as major risk factors for anal neoplastic transformation in African Americans

Asrar Ahmad, Post Doc/Resident/Fellow/Research Associate, Biological & Biomedical Sciences

Role of NHERF1 in aging animal models of salt sensitive hypertension (SSH) and chronic kidney disease (CKD)

Aisha Ahmed, Undergraduate Student, Biological & Biomedical Sciences

A Species Distribution Model of Ethiopian Phlebotomine Sandflies

Muhammed Ahmed, Undergraduate Student, Biological & Biomedical Sciences

Isolation of Bacteriophage Infected with Mycobacterium smegmatis

Tolulope Akingbade, Undergraduate Student, Physical Sciences & Engineering

Precision and Accuracy of Fused Deposition Modeling (FDM) 3D printed parts across three grades of printers.

Ann-marie Ako-adounvo, Graduate Student, Translational & Clinical Sciences

Development, Characterization and In Vitro Testing of Brinzolamide-Loaded Poly(lactic-co-glycolic acid (PLGA) Nanoparticles

Alexander Akoto, Professional Student, Translational & Clinical Sciences

Fixation of pediatric clavicle fractures: Safety, efficacy, and feasibility for the ambulatory setting.

Misagh Alaie Faradonbeh, Graduate Student, Physical Sciences & Engineering

Modeling of Current density in Cathode materials with Nano Particle for Lithium Ion Batteries.

Jameshisa Alexander, Undergraduate Student, Biological & Biomedical Sciences

Analysis of flavonoid prenyltransferase genes by the Induction of Isoflavonoid by methyl jasmonate (MJ) in Pueraria Cell suspension

Amira Alghumgham, Graduate Student, Business

Are Economic Development Projects Tipping Points for Their Neighborhoods?

Rachelle Allen-mcfarlane, Graduate Student,
Biological & Biomedical Sciences
*Multibacteriocinogenic Lactobacillus
parafarraginis KU495926 Inhibits Multi-Drug
Resistant Gram-negative Bacterial Pathogens*

Joycemary Amponsem, Undergraduate Student,
Biological & Biomedical Sciences
*The effect of Peroxisome Proliferator-Activated
Receptor- α on NOX-4 expression in the heart
during a slow-pressor dose of Angiotensin-II
induced hypertension*

Maxwell Anderson, Graduate Student,
Translational & Clinical Sciences
*Sleep-disordered Breathing and Rapid Eye
Movement (REM) Sleep Arousals in African
Americans with Posttraumatic Stress Disorder.*

Kevin Aninta, Undergraduate Student, Biological
& Biomedical Sciences
*Exploring the Life Cycle of Phage AxelR8 through
Host Mycobacterium smegmatis*

Sarah Anvery, Professional Student, Biological &
Biomedical Sciences
*The Role of Mucin-type O-Glycosylation in
Packaging and Secretion of O-Glycosylated
Proteins*

Okechukwu Anyamele, Undergraduate Student,
Biological & Biomedical Sciences
*Salvianolic Acid B Inhibits Head and Neck
Squamous Cell Carcinoma Cell Growth by
Regulation of miRNA Profile*

Olufunmi Ariyo, Professional Student, Education
& Outreach
*Knowledge, attitudes and readiness regarding
naloxone for opioid overdose reversal in
pharmacy students about to enter practice*

Imer Arnautovic, Graduate Student, Social
Sciences
*Gender Moderates the Impact of Induced
Mindfulness on Moral Decisions and Decisional
Certainty*

Hassan Ashktorab, Senior Faculty, Translational
& Clinical Sciences
*Distinctive variants in African American with
colorectal neoplasia*

Nazli Atefi, Post Doc/Resident/Fellow/Research
Associate, Translational & Clinical Sciences
*Is the rate of Sessile Serrated Polyp/Adenoma
different in African Americans?*

Jace Austin, Undergraduate Student, Social
Sciences
*Mass Media or a weapon in disguise? A historical
case study of the approaches in which news and
films have drastically influenced and controlled
the narration of African-American lives.*

Hamed Azimi, Post Doc/Resident/Fellow/
Research Associate, Translational & Clinical
Sciences
*Assessment of risk of developing Pancreatic risk
with ATM gene mutation based on the genetics of
hereditary pancreatitis by using Saliva: A Multi-
Center evaluation.*

Anisa Bailey, Undergraduate Student, Education
& Outreach
'Good Slips' Behavior Management Intervention

Njlaa Bakhsh, Graduate Student, Biological &
Biomedical Sciences
*The missing landscape of human genomic
diversity in the Arabian Peninsula*

Garima Bansal, Graduate Student, Biological &
Biomedical Sciences
*Phenotypic and Molecular Characterization of
Nosocomial Multi-Drug Resistant Acinetobacter
baumannii Isolates from Four Washington DC
Area Hospitals*

Dominique Barrett, Undergraduate Student,
Education & Outreach
How Speech Intelligibility Affects Individuals

Saswati Basu, Post Doc/Resident/Fellow/
Research Associate, Biological & Biomedical
Sciences
*Effect on Oligosaccharide Grafting on the
Polyelectrolyte and Protonation Dynamics of
Polyethylenimine*

Kirsten Bazemore, Professional Student,
Education & Outreach
*Evaluating the Impact of the Howard University
College of Pharmacy's Pharmacy Biomedical
Preview (PBP) Program on Academic
Performance*

Milan Benn, Undergraduate Student, Social Sciences
Struggle and Resilience: Novel Traits in the Black Self-Stereotype

Eugene Bivins, Professional Student, Translational & Clinical Sciences
Radiographic Evaluation of Scrotal Pain with Pathological Correlation: A Pictorial Review

Linda Boadi, Staff, Translational & Clinical Sciences
How Does the Estrous Cycle Influence Fear Conditioning in Female Mice?

Daphney Bonner, Undergraduate Student, Biological & Biomedical Sciences
Collection, Isolation, Purification, and Extraction of Phage DaMari

Anthony Brandon, Undergraduate Student, Physical Sciences & Engineering
Transfer and Characterization of 2d Graphene and Hexagonal Boron Nitride on to Silicon Carbide

Mia Broughton, Undergraduate Student, Biological & Biomedical Sciences
Hypoxia facilitates NEPC transdifferentiation

Brianna Brower, Graduate Student, Ethics, Law & Religion
The Relationship between Mental Illness, Neighborhood Disadvantage and Delinquency among African American Youth Arrested in the District of Columbia

Kallie Brown, Undergraduate Student, Social Sciences
The Effects of Parent-Adolescent Communication on Academic Achievement in African American Middle and High School Students

Maia Brown, Undergraduate Student, Biological & Biomedical Sciences
The Road to Finding Chloe2x

Imani Brown, Staff, Translational & Clinical Sciences
Perspectives on supported employment for dually diagnosed clients on medically assisted therapy for opioid use disorder

Detron Brown, Professional Student, Translational & Clinical Sciences
30 day admissions in the Post-HAART era in a urban teaching institution: The impact of compliance and ART use

Collis Brown, Staff, 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 Protein 40 U

Huy Bui, Undergraduate Student, Creative Arts & Design
Alleviating City's Environmental Impacts and Revitalizing Its Urban Fabric Through Green Roofs – A Case Study In Ho Chi Minh, Vietnam

Jeffery Bullock, Graduate Student, Biological & Biomedical Sciences
Consensus Comparative Modeling to Construct Structural Models of Human C-C Chemokine receptor 4 (CCR4) to Discover Small-Molecule Therapeutics to Treat Cancer Metastasis

Dymond Burnette, Undergraduate Student, Biological & Biomedical Sciences
Lyme: An Insidious Disease

Clinton Burnside, Staff, Education & Outreach
The impact of the US Preventive Task Force recommendations against prostate screening on utilization of the Howard University Cancer Center's "Men Take Ten" prostate cancer screening program

Taylor Burroughs, Undergraduate Student, Biological & Biomedical Sciences
Discovering Bacteriophage PLMatters

Desiree Butler, Undergraduate Student, Biological & Biomedical Sciences
"Unearthing Bacteriophage and Obtaining its Characteristics"

Nia Butler, Undergraduate Student, Biological & Biomedical Sciences
Differential Patterns of Genetic Diversity at the Interleukin-6 Proinflammatory Gene in Geographically Distinct Human Populations

Claudia Byer-tyre, Undergraduate Student, Social Sciences
Neighborhood Disorganization and Cohesion Predict Adverse Childhood Experience Prevalence

Dominique Bynum-cooper, Undergraduate Student, Biological & Biomedical Sciences
Antibiotic Resistance Profiles of Bacteria Associated with Two Phlebotomine Sand Fly Species

Darryl Caesar, Professional Student, Biological & Biomedical Sciences
*Evaluating the antibacterial effects of blackseed oil from *Nigella sativa* against intraoral bacteria *Step mutans*.*

Laura Campbell, Undergraduate Student, Biological & Biomedical Sciences
The Anti-Inflammatory and Anti-Hypertensive Mechanisms of Peroxisome Proliferator Activated Receptor-alpha in the Brain during Angiotensin II Hypertension

Valynsia Campbell-scott, Undergraduate Student, Translational & Clinical Sciences
A Pilot Study of High-Intensity Eccentric Exercise on Vascular Endothelial Function and Arterial Stiffness In Young Adult African-American Women With and Without Parental Hypertension

Angela Carter, Undergraduate Student, Social Sciences
Negro In Modernity: Preliminary Study of the Meta-Cognitive Processes of African Racial Esteem.

Nia Casey, Undergraduate Student, Social Sciences
Effects of South African Prenatal Care on Low Infant Birth Weight

Asiah Cauley, Undergraduate Student, Biological & Biomedical Sciences
Life Cycle Characterization of OGAshia

Jianfei Che, Post Doc/Resident/Fellow/Research Associate, Biological & Biomedical Sciences
GO Modified MgO Nanoparticles (MgO@GO) Reinforced PLA Nanocomposites

Zion Clarke, Undergraduate Student, Physical Sciences & Engineering
Method to Characterizing the Thermal Conductivity of Microchip Packaging Material Using Thermal Cycling and a Modified Cut-Bar Method

Cameron Clarke, Undergraduate Student, Biological & Biomedical Sciences
Effect of Single-Dose and Fractionated Radiation on Fatty Acid Synthesis

Carter Clinton, Graduate Student, Biological & Biomedical Sciences
Creation of a Genomic Database from New York African Burial Ground Soil Samples

Daria Coffield, Undergraduate Student, Biological & Biomedical Sciences
Collection, Isolation, and Purification of Bacteriophage

Mariah Cook, Undergraduate Student, Biological & Biomedical Sciences
*Isolation and Characterization of bacteriophage diversity from a soil sample collected from Harriett Tubman Quadrangle using *Mycobacterium smegmatis**

Carlton Crockett, Graduate Student, Translational & Clinical Sciences
Risk Factors Related to Adolescent Obesity among African-American, Caucasian-American and Mexican-American Adolescents (Ages 12-19 years)

Antonei Csoka, Senior Faculty, Biological & Biomedical Sciences
An Epigenetic analysis of the Effects of WIN 55, 212

Gashaw Dadi, Graduate Student, Translational & Clinical Sciences
The Impact of Cardiovascular Risk Factors on Pulse Pressure in African Americans with Stage I Hypertension

Kaitlin Dadisman, Undergraduate Student, Translational & Clinical Sciences
Addressing the Disproportionate Occurance of Metabolic Syndrome and It's Complications among Black Americanas

Roderick Davis, Professional Student, Education & Outreach

The Feasibility of using an Intern Readiness Course to Provide the Structure for Assessing Entrustable Professional Activities

Leonna Davis-ross, Graduate Student, Social Sciences

The Impact of Cultural Socialization and Self-Esteem on Career Aspirations among Low-Income African American Adolescent Girls

Akiv Dawson, Graduate Student, Social Sciences

Black Lives Matter in the Public Sphere: A Critical Race Analysis of Opinion-editorials about Police Violence

Yewande Dayo, Professional Student, Translational & Clinical Sciences

Comparison of Cardiovascular risk assessments from the American College of Cardiology (ACC)/ American Heart Association (AHA) and the Adult Treatment Panel (ATP III) in a HIV infected population: eligibility and appropriateness of lipid lowering treatment

Emanuel Demissie, Undergraduate Student, Biological & Biomedical Sciences

Investigating the association of rs6276 Single Nucleotide Polymorphism in Dopamine receptor DRD2 gene With C-reactive protein in African American Young Adults.

Mohamed Doumbia, Graduate Student, Physical Sciences & Engineering

Performance of Lithium Iron Phosphate (LFP) with modified electrode material

Amber Durand, Undergraduate Student, Biological & Biomedical Sciences

The Digitization of Mid-Atlantic Specimens in the Howard University Herbarium

Jaquial Durham, Graduate Student, Social Sciences

Black Solidarity with the People of Palestine

Tayler Edmond, Undergraduate Student, Biological & Biomedical Sciences

A Systematic Review of Ethnic Disparities in Herpes Zoster Immunization for Elderly Adult Populations

Sarah Edoho, Undergraduate Student, Biological & Biomedical Sciences

The Adventures of Phage Discovery, Isolation, and Purification

Linell Edwards, Graduate Student, Social Sciences

Student engagement in higher education: Exploring the interrelationships of student engagement components and their relationship with positive school outcomes

Tierra Ellis, Graduate Student, Education & Outreach

Cultivating Melanin in STEM fields through the NCAS CAREERS Weather Camp

Nkechi Enwerem, Junior Faculty/ Lecturer/ Instructor, Social Sciences

Prevalence of Parkinson Disease in Hospitalized Patients with Congestive Heart Failure

Deanna Esan, Undergraduate Student, Biological & Biomedical Sciences

Isolation and Characterization of Ryvitor04, a lytic bacteriophage isolated from soil

Amoge Ezike, Undergraduate Student, Social Sciences

Underlying Causes of Xenophobic Violence in South Africa

Amoge Ezike, Undergraduate Student, Biological & Biomedical Sciences

Bactericidal Activity of Hagenia abyssinica Extracts on Vancomycin-resistant Clinical Isolates

Mayowa Fageyinbo, Undergraduate Student, Social Sciences

Childhood Trauma and Adult Mental Illness

Lourds Fernando, Graduate Student, Biological & Biomedical Sciences

Potential non-canonical roles of the 26S proteasome system in C. elegans reproduction

Daniellue Finley, Undergraduate Student, Education & Outreach

A Study on the Small Group Re-Teaching of Phonics to 3rd grade Students

Kenisha Ford, Graduate Student, Education & Outreach

The Implementation of Technology and Its Effect on Course Performance

Jeantelle Francis, Undergraduate Student, Physical Sciences & Engineering

Utilizing Cryogenic Cycling and the Comparative Cut-bar Method to Characterize the Resistivity of Copper and Niobium

Curtis Frederick, Professional Student, Biological & Biomedical Sciences

Partially divided gastric remnant distention causing chronic nausea and vomiting

Curtis Frederick, Professional Student, Biological & Biomedical Sciences
Cardiac Computed Tomography (CT) and Cardiac Risk Classification

E'leyna Garcia, Graduate Student, Translational & Clinical Sciences

The Influence of Sleep and Perceived Stress on Difficulties with Emotion Regulation in a Diverse Sample of Adolescents and Young Adults

Shashwati Geed, GHUCCTS Research Fellow, Translational & Clinical Sciences

Paging Dr. Lasagna: Why Early Inpatient Rehab Trial Recruitment Rate is in Single Digits

Shima Ghavimi, Post Doc/Resident/Fellow/Research Associate, Translational & Clinical Sciences

Pulmonary Manifestations of Inflammatory Bowel Disease

Dometria Gilbert, Undergraduate Student, Biological & Biomedical Sciences

The Role of Prostate Cancer Derived Exosomes in Metabolism

Marviana Gills, Undergraduate Student, Education & Outreach

Elementary Students and their Attitude and Achievement Toward Math

Gean Gilot, Professional Student, Biological & Biomedical Sciences

Open and Endovascular Ruptured Abdominal Aortic Aneurysm Repair have Equivalent Outcomes when Performed on Weekday vs Weekend

Nitya Gittens, Undergraduate Student, Creative Arts & Design

Advertising As Advocacy: How Advertising Can Combat the Real Life Implications of Mute-Group Theory.

Umamaheshwari Golconda, Post Doc/Resident/Fellow/Research Associate, Translational & Clinical Sciences

Does poor prognosis in African Americans with MSI-H colorectal cancer associate with altered immune markers?

Rina Gonzalez-albazzaz, Professional Student, Biological & Biomedical Sciences

Early Menarche Onset in Female Minorities as an Important Precursor for the Initiation of Orthodontic Treatment

Destini Goodly, Undergraduate Student, Biological & Biomedical Sciences

Role of PI3K/AKT Signaling Pathway in Regulation of Expression of Androgen Receptor in ABCG2+ CWR-R1 Prostate Cancer Cells

Jasmin Goodman, Graduate Student, Social Sciences

Awkward at HBO: The Adaptation of Issa Rae's Awkward Black Girl Web series for Mainstream Television

Vamshi vasantha raya Gorantla, Post Doc/Resident/Fellow/Research Associate, Translational & Clinical Sciences

Does the location and histopathological status of colon polyps affect interval colonoscopy

Johnny Graham, Junior Faculty/ Lecturer/Instructor, Business

"Pour Me Some 'Dirty Sprite': An Exploratory Analysis Of Brand Appropriation"

Sean Grant, Undergraduate Student, Physical Sciences & Engineering

Location-based Lightweight Security for Wireless Communications in ROAR Architecture

Kirstie Grant, Graduate Student, Biological & Biomedical Sciences

Investigation of sexual systems associated with species of the genus Rumex using compared reconstructed molecular phylogenies

Natasha Graves, Undergraduate Student, Social Sciences
The Power of Light in Design to Heal Our Internal Balance

Bryanna Gray, Professional Student, Translational & Clinical Sciences
In vitro Characterization of Anticancer Drug-loaded Nanoparticles

Whitney Griffith, Undergraduate Student, Physical Sciences & Engineering
The Establishment of the Cobb Lab's Information System

Brittany Grossi, Undergraduate Student, Biological & Biomedical Sciences
The Phage, The Myth, The Legend: MiloGrossi

King Gyasi, Professional Student, Social Sciences
Economic Community of West African States' (ECOWAS) Inclusion in the International Council of Harmonization (ICH) Initiative: Overcoming Barriers to Pharmaceutical Global Regulatory Harmonization

Sidney Hall, Undergraduate Student, Biological & Biomedical Sciences
A web based tool for for Next-Generation Sequencing data

Anika Hamilton, Undergraduate Student, Biological & Biomedical Sciences
*Antimicrobial Activity of Extracts of *Chamaemelum nobile* and *Amphipterygium adstringens* Against Pathogenic Bacteria*

Michael Harris, Undergraduate Student, Education & Outreach
Conceptualization of Math Problems

John Harvey, Graduate Student, Biological & Biomedical Sciences
Dopaminergic Synaptic Transmission Regulates Mitral Cell Activity in the Olfactory Bulb

Alessandra Haskin, Professional Student, Translational & Clinical Sciences
Pemphigus vulgaris with laryngeal involvement in an African patient: A case report and review

Mark Hatcher, Staff, Biological & Biomedical Sciences
Sex differences in fear conditioning following footshock stress in mice

Ariyiana Haynes, Undergraduate Student, Social Sciences
Does the Low Number of African American Attorneys in the U.S. Correspond with the Number of Young Aspiring Lawyers?

Olga Herren, Graduate Student, Translational & Clinical Sciences
Do Inflammatory Mechanisms Mediate the Relationship between Executive Functions and Eating Behaviors in African Americans?

Kemar Hibbert, Graduate Student, Physical Sciences & Engineering
The Influence of FDB Build Parameters on the Mechanical Properties of 3D-Printed Acrylonitrile Butadiene Styrene (ABS)

Nissan Hill, Undergraduate Student, Biological & Biomedical Sciences
Isolation and Assesment of Bacteriophages Diversity from a Soil Sample at 39.115 N and -77.5 E Howard University, Washington DC

Brionna Hines, Undergraduate Student, Education & Outreach
Peer tutoring affects on low-achieving elementary school students

Paige Hodges, Undergraduate Student, Biological & Biomedical Sciences
Isolation and Analyzation of Bacteriophage PaigePhage's DNA

Kaila Holloway, Undergraduate Student, Physical Sciences & Engineering
The Preparation of Isoflavones and Chromones Used for Hydroxylase and Prenyltransferase Enzyme Assay in Miroestrol Synthesis

Brittany Holman, Graduate Student, Translational & Clinical Sciences
Comparison of auditory processing abilities evaluated by Non-Verbal Measures versus Standard Verbal Measures

Nicholas Holtgrewe, Post Doc/Resident/
Fellow/Research Associate, Physical Sciences &
Engineering
*Chemistry within compressed alkali azides (NaN₃,
KN₃)*

Maalik Hornbuckle, Undergraduate Student,
Physical Sciences & Engineering
*Analysis and Predictive Modeling of Alumni
Donations*

Farhana Hossain, Undergraduate Student,
Biological & Biomedical Sciences
*Anatomical and Genetic Characterization of Pila
scutata (Mousson, 1848)*

Keyera Howard, Undergraduate Student,
Education & Outreach
There's more to "cooking" than Ramen Noodles.

Erica Howard, Professional Student, Biological
& Biomedical Sciences
*Opdivo® (Nivolumab): A Cost Effectiveness
Analysis in Melanoma*

Noble Htar, Professional Student, Humanities
*A Crowdsourced, Comprehensive Database of
Rare Diseases Prevalent Predominant in People of
African Descent: The Case Study of Noma*

Indajae Huff, Undergraduate Student,
Translational & Clinical Sciences
*Nutrition related Genetic Deficiencies: Glucose-
6- Phosphate Dehydrogenase*

Heba Hussein, Post Doc/Resident/Fellow/
Research Associate, Translational & Clinical
Sciences
*1,25-dihydroxyvitamin D3 inhibits Oral Squamous
Cell Carcinoma Cells Growth through Regulation
of miRNA Expression*

Aliza Ibad, Graduate Student, Biological &
Biomedical Sciences
*Expression Profiles of miRNAs as Potential
Biomarkers in HPV-infected Anal Carcinomas*

Ehimen Ibhado, Graduate Student, Physical
Sciences & Engineering
*Intelligent Control for mitigating Voltage-VAr in a
Microgrid*

Khristian Ifill, Undergraduate Student, Biological
& Biomedical Sciences
*Assessment on the Resurgence of Rickets and
Scoliosis on African Americans*

Afoma Ihekwaba, Graduate Student, Physical
Sciences & Engineering
*Analysis of Electric Vehicle Charging Impact on
Grid Voltage Regulation*

Meyeneobong Inyang, Professional Student,
Translational & Clinical Sciences
Calcinosis Cutis as a Complication of Morphea

Akira Isaac, Undergraduate Student, Biological
& Biomedical Sciences
*The Role of Spargel/dPGC-1 in the Growth of the
Drosophila Ovaries*

Jarrett Jackson, Undergraduate Student,
Biological & Biomedical Sciences
*Expression of Claudin-5 Tight Junction Protein in
SIV-Infected Primate Brain*

Joy rosa Jackson, Undergraduate Student,
Biological & Biomedical Sciences
Necrosis, Alcohol, and the Heart

Jelissa Jackson, Undergraduate Student, Social
Sciences
*A Descriptive Study on the Effect of Social Media
on Interpersonal Relationships for Students at
Howard University*

Alexis James, Undergraduate Student, Biological
& Biomedical Sciences
*Defining Webster2: The Isolation, Purification,
and Analysis of a Bacteriophage*

Jemila James, Post Doc/Resident/Fellow/
Research Associate, Biological & Biomedical
Sciences
*Alzheimer's Disease and Other Dementias in Sub-
Saharan African and the Caribbean*

Monica Javidnia, GHUCCTS Research Fellow,
Translational & Clinical Sciences
The tyrosine kinase inhibitor pazopanib is a
potential therapeutic for the tauopathies

Hope Jenkins, Graduate Student, Social Sciences
*Differences in Clinical Symptoms Between Public
and Boarding Schools in the District of Columbia*

Joanna Jenkins, Junior Faculty/ Lecturer/
Instructor, Ethics, Law & Religion
*Womanism & Advertising Ethics in a Converged
Era (Poster Design or Oral Presentation)*

Danasia Jenkins, Undergraduate Student,
Biological & Biomedical Sciences
Trichomoniasis (STI) in African-Americans

Rashaad-dreana Jett, Undergraduate Student,
Translational & Clinical Sciences
*A Preliminary Study of Acute Aerobic Exercise on
Total Peripheral Resistance During Mental Stress
in Young Adult African Americans*

Gretchen Johnson, Graduate Student, Biological
& Biomedical Sciences
*Reconstruction of the early population history
of Africans in the Americas through St. Helena
Island (South Atlantic) and New York City*

Toni Johnson, Undergraduate Student, Biological
& Biomedical Sciences
*Isolation and characterization of bacteriophage
Maven86*

Tariq Johnson, Undergraduate Student,
Biological & Biomedical Sciences
*Analyzing The Antimicrobial Effects of Chemical
Compounds on Biofilm Development*

Monica Johnson, Undergraduate Student,
Humanities
Study Abroad: Minorities vs. Non-minorities

K. Giselle Johnson, Undergraduate Student,
Humanities
*ReDefining Entertainment in the Digital Age: Is
digital streaming the new wave of programming
for regular entertainment?*

Emerald Jones, Graduate Student, Social
Sciences
*Global Child Trafficking: A Review of the
Literature*

Michael Jones, Post Doc/Resident/Fellow/
Research Associate, Biological & Biomedical
Sciences
*Harmaline Induces Tremor and Suppresses
Auditory Startle Reflex in Mice*

Abrienne Joseph, Undergraduate Student,
Biological & Biomedical Sciences
*The Isolation and Characterization of JaedahBea,
a Lytic Bacteriophage*

Spiridon Karavatas, Senior Faculty, Translational
& Clinical Sciences
*Outcomes of Hospitalized Patients Diagnosed
With Congestive Heart Failure: Patients and
Hospital Characteristics*

Pradeep Karla, Senior Faculty, Translational &
Clinical Sciences
*Identification of HIV Drug Transporter Targets
on Primary Human CD4+ T Cells and vaginal
epithelial cells*

Arshdeep Kaur, Graduate Student, Translational
& Clinical Sciences
*Quality of Life, Patient Satisfaction, and
Psychological Distress in Ethnically Diverse
Patients with Hormone Receptor Positive Breast
Cancer*

Ladonna Kearse, Professional Student, Education
& Outreach
*An Undifferentiated Intern Readiness Course for
Fourth Year Medical Students Prepares for the
Transition to Internship*

Adea Kelly, Graduate Student, Social Sciences
*Colorism among African Americans influences
Attractiveness and Personality-Trait Stereotypes*

Nicole Kennard, Undergraduate Student,
Biological & Biomedical Sciences
*Photoacoustic Monitoring of Radiation-Induced
Salivary Gland Damage*

Ibrahim Khaleel, Professional Student,
Biological & Biomedical Sciences
*Accuracy and Role of CT Angiography of
Pulmonary Arteries in Detecting Pulmonary
Embolisms and Cardiac Malformations*

Temeer Khalid-crocker, Undergraduate Student,
Biological & Biomedical Sciences
*Cardiac autonomic changes as rhythms are
processed*

Syed Khundmiri, Junior Faculty/ Lecturer/
Instructor, Biological & Biomedical Sciences
*The Effects of A Slow Pressor Dose of Angiotensin
II on Sodium Transporters Expression in the
Kidney Cortex are Independent of PPAR-alpha*

Amber Kimble, Undergraduate Student,
Biological & Biomedical Sciences
*Determining Activational and Topographical
Differences in the Paraventricular Nucleus of the
Thalamus of Binge Eating Prone and Resistant
Rats*

Keri Kirk, Graduate Student, Social Sciences
*Relationship Between Physical Activity,
Personality, and Eating Behaviors on BMI in
Black Women*

Timothy Klipp-lockhart, Graduate Student,
Social Sciences
*Racial Disparities at Intervention Points in the
Juvenile Justice System*

Oluwapelumi Kolawole, Undergraduate Student,
Biological & Biomedical Sciences
The Discovery of Bacteriophage

Akshay Kolluri, Professional Student, Biological
& Biomedical Sciences
*Complications in Primary Cleft Palate Repair: A
Review of the ACS NSQIP Pediatric Database*

Lindsey Koper, Graduate Student, Biological &
Biomedical Sciences
*Origin and Dispersal of True Seals Based on
Recent Fossil Evidence*

Britney Kruah, Undergraduate Student,
Biological & Biomedical Sciences
The Isolation and Purification of Phage Tichi

Amol Kulkarni, Junior Faculty/ Lecturer/
Instructor, Translational & Clinical Sciences
*Small molecule development for innate immunity-
derived inflammatory disorders*

Alexis Labauex, Undergraduate Student,
Biological & Biomedical Sciences
*Understanding Evolutionary Patterns in the
Sjogren Syndrome-Antigen B Gene in Worldwide
Populations*

Kolby Lacy, Undergraduate Student, Physical
Sciences & Engineering
*ROAR: Real-time Opportunistic Spectrum Access
in Cognitive Radio Networks*

Lauren Latten, Professional Student, Biological
& Biomedical Sciences
*A Cost-Effectiveness Analysis of Eplusa
Compared to Viekira Pak for Treatment of
Hepatitis C*

Ivan Lau, Professional Student, Social Sciences
*A Comprehensive Database of Histone
Deacetylase Inhibitors to Induce Latent HIV-1
Reactivation*

Jasmyn Ledford, Graduate Student, Education &
Outreach
*Cultural Responsiveness: The Function of School
Psychologists in Response to Intervention Models*

Meighan Legrand, Post Doc/Resident/Fellow/
Research Associate, Translational & Clinical
Sciences
*Assessing Anticoagulation Control using Time
within Therapeutic Range (TTR)*

Alana Lelo, GHUCCTS Research Fellow,
Translational & Clinical Sciences
*STAG2 as a Prognostic Biomarker for Predicting
Post-TURBT Recurrence in Non-Muscle Invasive
Urothelial Carcinoma*

Lucy Lim, Junior Faculty/ Lecturer/ Instructor,
Business
Audit Fee Trends from 2000 to 2014

Keisha Lindsey, Graduate Student, Translational
& Clinical Sciences
*Survey Regarding Evaluating Children for
Auditory Processing for Parents and Professionals*

Lindsay Liu, Post Doc/Resident/Fellow/Research
Associate, Translational & Clinical Sciences
*Estimation of Fracture Risk in an HIV-Infected
Population in the District of Columbia*

Xinyi Liu, Undergraduate Student, Translational
& Clinical Sciences
*Using Medical Nutritional Therapy to Address
Health Disparities in Diabetes Management*

Giordanne Logan, Undergraduate Student,
Biological & Biomedical Sciences
Characterization of Unique Bacteriophage Coffee

Tiana Lopez, Undergraduate Student, Biological
& Biomedical Sciences
*Isolation and Purification of Monster Phage Using
Mycobacterium smegmatis*

Angelica Mack, Undergraduate Student, Physical
Sciences & Engineering
*5 α -Reductase Inhibitory Activity (in silico):
Synthesis of Avicequinone C and Derivatives*

Sara Maimouni, GHUCCTS Research Fellow,
Translational & Clinical Sciences
*Metabo-Therapy for RARRES-1 Depleted
Epithelial Cells Using Repurposed Mitochondrial
Metabolism Inhibitor Metformin*

Olumide Malomo, Graduate Student, Physical
Sciences & Engineering
*Adaptive Cybersecurity through Federated Cloud
Computing Architecture*

Kayla Massey, Undergraduate Student, Biological
& Biomedical Sciences
Influence of Saturation and Meibum Structure

Chinyere Mbadiwe, Professional Student,
Translational & Clinical Sciences
*Exploring Health Disparities in Dental Care
Providers' Delivery of Tobacco Use Treatment*

Asia Mccallum, Undergraduate Student, Creative
Arts & Design
*Morg-Folio: An App/Website for the Costume
Designer's Research Process*

Raechel Mckinley, Graduate Student, Education
& Outreach
*Incorporating 3-D Online Anatomical models in
Allied Health Anatomy labs*

Alexa Meleod, Undergraduate Student, Physical
Sciences & Engineering
*Purifying Pollutant; Photodegradation and
Tobacco Effluent*

Autumn McNeill, Undergraduate Student,
Biological & Biomedical Sciences
*Characterization of Mycobacteriophage
CousinLit*

Jordan Mcrae, Undergraduate Student, Business
*How Consumerism Caused (and Can End) the
Plastic Plague*

Sirak Mekonen, Graduate Student, Physical
Sciences & Engineering
Thermally Tuned Optical Metamaterials

Sajith Meleveetil, Post Doc/Resident/Fellow/
Research Associate, Biological & Biomedical
Sciences
*Development of small molecule Anti-Ebola
compounds*

Keiko Meshida, Graduate Student, Biological &
Biomedical Sciences
*Comparative anatomy of extraocular muscles and
orbital neurovascular structures in cetaceans and
other marine mammals*

Nataly Millan, Graduate Student, Translational &
Clinical Sciences
*Syllable structures and word lengths in Mexican
Toddlers*

Kasun Millawithanachchi, Graduate Student,
Social Sciences
*Sri Lankan National Integration and
Reconciliation in the quest for Justice*

Tahja Miller, Undergraduate Student,
Translational & Clinical Sciences
*Examining the role of Medical Nutrition Therapy
to Address the Health Disparities of Metabolic
Stress and Sepsis*

Priya Mishra, Undergraduate Student, Physical
Sciences & Engineering
*Raman Spectroscopy of Compressed Water and
NaCl Solutions*

Kamari Moore, Undergraduate Student, Social
Sciences
*High Public Regard and Race Tailoring Increases
Attention When Fellow Blacks Might Threaten
that Regard*

Bria Moore, Undergraduate Student, Biological &
Biomedical Sciences
*Obtaining, Isolating and Analyzing Phage
BreezyB*

Nwerebuaku Mpi, Undergraduate Student,
Biological & Biomedical Sciences
*The Isolation and Discovery of Actinobacteria
Phage Chinwe*

Precious Ndukwe, Undergraduate Student,
Translational & Clinical Sciences
*Acute Aerobic Exercise Does Not Alter Heart Rate
Variability During Mental Stress in Young Adult
African Americans*

Chelsea Nnebe, Undergraduate Student,
Biological & Biomedical Sciences
*Use of CDNB Assay to Determine Calreticulin
Domain Responsible for Autoacetylation*

Isabella Ntigbu, Undergraduate Student,
Biological & Biomedical Sciences
The Isolation and Characterization of P.Crandall

Obinna Obike, Undergraduate Student, Physical
Sciences & Engineering
*Comparison of Artificial Neural Networks and the
Human Brain on Computation*

Adaku Ofoegbu, Graduate Student, Translational
& Clinical Sciences
*Clinical Pharmacogenetic Testing as Clinical
Decision Support for Diabetes Management in a
Ghanaian Cohort*

Eric Ogharandukun, Graduate Student,
Biological & Biomedical Sciences
*Osmotic properties of Aggrecan interaction in
Cartilage*

Lauren Okafor, Undergraduate Student,
Biological & Biomedical Sciences
*The Isolation and Characterization of Phage
Wilhelm*

Morenike Olu, Undergraduate Student, Biological
& Biomedical Sciences
*Characterizing Models of Indolent and Aggressive
Prostate Cancer*

Morinne Osborne, Undergraduate Student,
Biological & Biomedical Sciences
*A Century-Long Study of The Phenology of Poison
Ivy (*Toxicodendron radicans* (L.) Kuntze)*

Alexis Osby, Undergraduate Student,
Translational & Clinical Sciences
*Effects of Acute Aerobic Exercise on Mood
Responses and Prefrontal Cortex EEG Asymmetry
in Young Adult Women and Men*

Chioma Ossai, Undergraduate Student, Biological
& Biomedical Sciences
*Isolation and Characterization of Bacteriophage
Victoria*

Tamara Owens, Graduate Student, Social
Sciences
*Heart to Serve: Using Simulation to Increase
Healthcare Student Engagement in Health
Disparities Research*

Patience Owunwanne, Professional Student,
Translational & Clinical Sciences
*The Role of Medical Nutrition Therapy in the
Reduction of Cardiovascular Risk for Patients
with Dialysis Dependent Chronic Kidney Disease*

Marco Paez, Post Doc/Resident/Fellow/Research
Associate, Translational & Clinical Sciences
*Predictors of duodenal biopsy at endoscopy of
patients with anemia*

Amrita Pai, GHUCCTS Research Fellow,
Translational & Clinical Sciences
*Loss of Resistance to Angiotensin II (Ang II)
Induced Hypertension in the Jackson Laboratory
Recombination Activating (Rag1) Gene Null
Mouse on the C57BL/6J Background*

Eugene Park, Professional Student, Biological &
Biomedical Sciences
*Metabotropic glutamate receptors and GABA
receptors regulate firing properties in mitral cells
of the mouse main olfactory bulb*

Termara Parker, Undergraduate Student,
Biological & Biomedical Sciences
*Immunohistochemical localization of parvalbumin
calcium-binding protein in the pediatric
hippocampus*

Salik Parwez, Graduate Student, Physical
Sciences & Engineering
*User Anomalous Activity Detection in Mobile
Wireless Network*

Taleesa Peck, Graduate Student, Social Sciences
The Effects of Racial Discriminatory Experiences and Promoting Resiliency

Donte Pennington, Graduate Student, Biological & Biomedical Sciences
Effects of Lower Body Resistance Exercise Training on Glucose Tolerance, Systemic Endothelial Function and Brain Electrical Activity in Young Obese Africa-American Women

Adria Peterkin, Undergraduate Student, Physical Sciences & Engineering
An Investigation of the high-Mg rocks of Northern Virginia for Potential Carbon Dioxide Storage

Melisa Philogene, Undergraduate Student, Biological & Biomedical Sciences
Max

Milan Poindexter, Undergraduate Student, Social Sciences
Effects of the Estrous Cycle on Post-Footshock Sleep in Female Mice

Lydia Poisson, Undergraduate Student, Biological & Biomedical Sciences
Investigating the Indestructible: A Sampling of Hawaiian Tardigrades

Fayola Pompey, Undergraduate Student, Biological & Biomedical Sciences
The Microbial Community Associated with Senegalese Dust

Edwin Powell, Junior Faculty/ Lecturer/ Instructor, Education & Outreach
Integrating the En-Bloc Model and Self-Directed Learning to Enhance Pediatric Competencies

Teriana Pride, Undergraduate Student, Physical Sciences & Engineering
Fabricating Rechargeable Lithium-Ion Coin Cell Batteries

Sagar Raju, Undergraduate Student, Biological & Biomedical Sciences
Bacteriophage Raju

Nina Ray, DDS, Post Doc/Resident/Fellow/ Research Associate, Translational & Clinical Sciences
Differential Diagnoses of Oral Mucosal Lesions in The Pediatric Patient

Sytonia Reid, Undergraduate Student, Social Sciences
The Empowerment of Black Women Across The Diaspora

Raina Rhoades, Graduate Student, Biological & Biomedical Sciences
The Role of Kainate Receptor Subunit, GLR-6, in C. elegans Reproduction

Gianna Rhodes, Undergraduate Student, Biological & Biomedical Sciences
Risk Factors Associated with Chronic Illnesses Among Adolescents in Foster Care

Bre'onna Richardson, Undergraduate Student, Humanities
The Black Press

Camille Robinson, Undergraduate Student, Social Sciences
The Exploration of the Effects of Contraceptive Use on the Mental Health of African-American College Women in Relation to their Counterparts on Howard University's campus

Anastasia Robinson, Graduate Student, Biological & Biomedical Sciences
Reversal of The ERα Negative Receptor in Human Breast Cancer Cells by Dichloro-naphthoquinone Analog

Reya Roussel, Undergraduate Student, Social Sciences
Studies of a Trap Scholar: The Birth of Trap Music and Its Effects on Hip Hop

Anupam Roy, Undergraduate Student, Social Sciences
Disincentivized and Demobilized: An Olsonian interpretation of the 2013 Shahbag Movement

Forough Saadatmand, Staff, Social Sciences
Gender Differences and the Impact of Exposure to Violence on Alcohol, Drug Use, and HIV Risk Behaviors among African American Young Adults

Denae Sampson, Undergraduate Student, Social Sciences
Race Relations and Self-Esteem

Gbeminiyi Samuel, Post Doc/Resident/Fellow/
Research Associate, Translational & Clinical
Sciences
*Are Endometrial Polyps Associated with
Colorectal Neoplasia? A study in a Minority
Population*

Aadarsh Shah, Undergraduate Student, Physical
Sciences & Engineering
*Simultaneous Degradation of Cr(VI) and TCE
Using Iron Powder*

Afnan Shakoori, Graduate Student, Biological &
Biomedical Sciences
*Organochlorine Exposures and Neurobehavioral
Disorder in Slovak Children: A Proof of Concept
through Molecular Transcriptomics*

Aulia Shariat, Post Doc/Resident/Fellow/
Research Associate, Biological & Biomedical
Sciences
*The incidence of electronic medical record
medication errors in a family medicine outpatient
clinic at a teaching hospital in Washington, D.C.*

Tah-jai Sharpe, Undergraduate Student,
Biological & Biomedical Sciences
*Isolation and Characterization of Bacteriophages
from Soil*

Aderinsola Shodipo, Undergraduate Student,
Biological & Biomedical Sciences
RECQ1 Expression Upon DNA Damage

Jyothirmai Simhadri, Post Doc/Resident/
Fellow/Research Associate, Physical Sciences &
Engineering
*Non-Linear Bending Mechanics of Three-
dimensional Slender Structures*

Kanasha Simmons, Graduate Student, Social
Sciences
*Metabolic Syndrome, Inflammation, and it's
Implications on Cognitive Functioning in a
Community Sample of African Americans*

Sydney Simpson, Post Doc/Resident/Fellow/
Research Associate, Biological & Biomedical
Sciences
*Malocclusion and Speech Therapy in Individuals
with Speech Abnormalities: Is it Correlated?*

Nykia Singletary, Undergraduate Student,
Education & Outreach
*Small-group instruction, specifically differentiated
learning increases students instructional reading
levels.*

Sergio Smith, Undergraduate Student, Physical
Sciences & Engineering
Long-Term Timing of Globular Cluster Pulsars

Cara Smith, Professional Student, Translational
& Clinical Sciences
*Pleomorphic Liposarcoma of the Neck: A Case
Report and Literature Review*

Pooja Soni, Professional Student, Biological &
Biomedical Sciences
*Unicystic ameloblastoma in mandible: focus on
differential diagnosis, FNAC and radiographic
features*

Fatou Sow, Undergraduate Student, Humanities
Colorism: Am I Too Dark?

Tara Spencer, Undergraduate Student, Biological
& Biomedical Sciences
*The Importance of Host Coevolution in
the Development of Viral Innovations in
Bacteriophage Lambda*

Jacqueline Spencer, Undergraduate Student,
Biological & Biomedical Sciences
Lulu100 the Inhibitor

Jaime Strickland, Graduate Student, Biological
& Biomedical Sciences
*Electroretinogram signals of the stink bug
compound eye*

Erin Strickland, Undergraduate Student, Physical
Sciences & Engineering
Graphene-based Tunable Terahertz Metasurfaces

Keisha Stubbs, Professional Student,
Translational & Clinical Sciences
*A Cost Effectiveness Evaluation of Ixekizumab
in Treatment of Moderate to Severe Psoriasis
Compared to Other Biologics*

Shirin Sultana, Graduate Student, Social Sciences
*Health Care Providers HIV Stigma...A Major
Public Health Debacle*

Kia-symone Surrell, Undergraduate Student,
Biological & Biomedical Sciences
*Collection, Isolation, and Purification of
Bacteriophage Shanaynay400*

Mikaela Swann, Undergraduate Student,
Biological & Biomedical Sciences
*Characterization of Scuffle88, a lytic
Bacteriophage isolated from soil*

Grace Swanson, Graduate Student, Biological &
Biomedical Sciences
*In vitro mRNA and miRNA expression profiles
in human macrophages in response to serotonin
receptor 7 (HTR7) activation.*

Nia Sweatt, Undergraduate Student, Biological &
Biomedical Sciences
*Isolation and Characterization of Bacteriophage
Vivante*

Jessica Tamba, Undergraduate Student,
Biological & Biomedical Sciences
*The Isolation, Purification and Characterization
of ZekeeTamba*

Christopher Taylor, Undergraduate Student,
Physical Sciences & Engineering
The solution to feeding the world

Nahom Tegegn, Post Doc/Resident/Fellow/
Research Associate, Translational & Clinical
Sciences
*Immune reconstitution inflammatory
syndrome(IRIS)Presenting as Progressive
multifocal leukoencephalopathy(PML)*

Shaolei Teng, Junior Faculty/ Lecturer/ Instructor,
Biological & Biomedical Sciences
*Bioinformatics Analysis of Rare Coding Variants
in DISC1 Interactome*

Brianna Thomas, Undergraduate Student,
Physical Sciences & Engineering
*Revisiting the Trend of Debris Disks with regards
to the Improved Ages of Early-Type Stars*

Veronica Thomas, Senior Faculty, Translational
& Clinical Sciences
*Knowledge, Attitudes, Experiences, and
Willingness to Participate in Clinical Genetic
Testing and Genetic Research Among Women of
African Descent*

Marvin Thomas, Professional Student, Biological
& Biomedical Sciences
*Investigating the Periodontal Phenotypes
associated with Osteogenesis Imperfecta*

Kiara Thomas, Undergraduate Student,
Biological & Biomedical Sciences
*Isolation, Purification, and Characterization of
Bacteriophage Doodle1*

Seijra Toogood, Graduate Student, Translational
& Clinical Sciences
*Survey Regarding Evaluating Children for
Auditory Processing for Audiologists and Speech-
Language Pathologists*

Quamiir Trice, Undergraduate Student, Education
& Outreach
*How does the teacher-student relationship quality
impact student off-task behaviors?*

Ashley Trieu, Graduate Student, Translational &
Clinical Sciences
*Evaluation of Knowledge, Interest, and Readiness
of Student Pharmacists in Prescribing Oral
Contraceptives in Washington, D.C.*

Urbi Tucker, Undergraduate Student, Biological
& Biomedical Sciences
*Isolation and Characterization of Bacteriophage
GT3*

Alexis Tucker, Undergraduate Student, Education
& Outreach
*Cultural Responsive Pedagogy in the Classroom:
The Correlation Between the Cross-Cultural
Communicative Processes for Educators, African-
American Learners, and Student Outcomes*

Andrea Tyree, Undergraduate Student, Social
Sciences
*United States Humanitarian Intervention: To Lead
or to Empower Others?*

Ogochukwu Ufio, Undergraduate Student,
Translational & Clinical Sciences
*Implementing Universal Health Coverage in
African countries with South Africa as a focus
country: What can Africa learn from itself?*

Sean Upshaw, Graduate Student, Social Sciences
*Defining and understanding patient-provider
communication in news stories from the Black
Press: A content analysis.*

Delecia Utley, Undergraduate Student, Biological & Biomedical Sciences

*Sex Determination in Dioecious *Rumex acetosa**

Kevin Vakani, Professional Student, Biological & Biomedical Sciences

International students and residents' attitudes and behavior regarding the provision of care for underserved patients

Sara Vaughan, Undergraduate Student, Biological & Biomedical Sciences

*Investigation of the role of the *C. elegans* gene *etr-1* by exon-specific genome editing using CRISPR/Cas9 system*

Tone' Vaughn, Undergraduate Student, Biological & Biomedical Sciences

*Isolation, Purification, and Characterization of *N(au)la**

Morganne Veal, Undergraduate Student, Physical Sciences & Engineering

Separation of Music by Genre Using Feature Extraction Tools and Fitness Function

Jaelyn Vigeo, Undergraduate Student, Biological & Biomedical Sciences

*Bacteriophage 'DorisAnne', Isolated from Garden soil, Shows Lytic Activity Against *Mycobacterium smegmatis* mc2155* Jaelyn Vigeo, Alicia Calixte, Deanna Esan, Michael Okoro, Michael Smith, Adrian Allen, Broderick Eribo, Courtney Robinson, Ayele Gugssa, Mar

Shengfeng Wan, Graduate Student, Biological & Biomedical Sciences

Construction and characterization of a reverse genetics system of Zika virus

Ze-jun Wang, Junior Faculty/ Lecturer/ Instructor, Biological & Biomedical Sciences

Specific Interaction of Amphiphiles with Sodium Channels

Raines Warren, Undergraduate Student, Biological & Biomedical Sciences

*The Isolation and Purification of Jules Winnfield with the Host Bacteria of *Mycobacterium smegmatis**

Silwat Waseem, Undergraduate Student, Biological & Biomedical Sciences

*Superoxide Dismutase Activity in *Caenorhabditis elegans**

Mahtab Waseem, Undergraduate Student, Biological & Biomedical Sciences

*Analyzing the Activity of Chemical Compounds Against *Vibrio Cholerae* Biofilms*

Jaleshia Washington, Graduate Student, Translational & Clinical Sciences

Impact of embedding professional political engagement activities in curriculum on student knowledge and attitudes

Jada Watts, Undergraduate Student, Biological & Biomedical Sciences

*Phenotypic and Molecular Characterization of a Lytic *Mycobacterium smegmatis* mc2155 phage*

Jean Wells, Senior Faculty, Business

Citizenship-by-Investment Programs in the Eastern Caribbean: Economic Benefits and Rewards

Emma jeanne Wilkin, Undergraduate Student, Biological & Biomedical Sciences

Rouge22 Isolation, Purification, and Investigation

Jade Williams, Undergraduate Student, Biological & Biomedical Sciences

A systematic review of ethnic disparities in receipt of the pneumococcal vaccine amongst elderly adult populations over the last ten years

Tamea Williams, Undergraduate Student, Social Sciences

Association Between Location and Hypertension Among Individuals in the Cobb Collection 70 Years Ago to Present, A Statistical Approach

Samantha Williams, Undergraduate Student, Translational & Clinical Sciences

The Role of Medical Nutrition Therapy in Addressing Health Disparities Associated with Obesity

Pheona Williams, Graduate Student, Physical Sciences & Engineering

Terahertz Spectroscopy of Dirac Plasmons in New Topological Insulators

Camille Wilson, Undergraduate Student,
Biological & Biomedical Sciences
Sex differences in sleep after footshock stress in mice

Erin Winrow, Undergraduate Student, Biological
& Biomedical Sciences
*Isolation and Characterization of
Mycobacteriophage Renaissance*

Stephen Wright, GHUCCTS Research Fellow,
Translational & Clinical Sciences
*An analysis of how consumer physical activity
monitors are used in biomedical research*

Firew Wubiee, Post Doc/Resident/Fellow/
Research Associate, Translational & Clinical
Sciences
*Dasatinib Induced colitis: A rare case of
chemotherapy side effect*

Sharah Yasharahla, Graduate Student, Physical
Sciences & Engineering
*Graphene, a promising addition to Lithium Iron
Phosphate batteries*

Xuetao Yue, Post Doc/Resident/Fellow/Research
Associate, Biological & Biomedical Sciences
*Biomimetic Formation of Shape-controlled
BaTiO₃ Nanocrystals*

Thank You

TO OUR SPONSORS

Howard University thanks all of its generous sponsors who supported Research Week 2017.

HU ADVANCE-IT



www.howard.edu/huadvanceit

HU ADVANCE –IT (*Gold Sponsor*)

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.



Georgetown-Howard Universities Center for Clinical and Translational Science (*Silver Sponsor*)

GHUCCTS is a multi-institutional consortium of medical research institutions forged from a desire to promote clinical research and translational science. The members of the GHUCCTS consortium are: Georgetown University (GU), Howard University (HU), MedStar Health Research Institute (MHRI), Oak Ridge National Laboratory (ORNL), and the Washington Veteran's Affairs Medical Center (VAMC). Through multiple partnerships and collaborations among the member institutions, GHUCCTS is transforming clinical research and translational science in order to bring new scientific advances to health care.

From Research to Careers in Academia

Sponsored by Liberal Arts Diversity Officers (LADO)
Hosted by the Graduate School

April 14, 2017

1pm-4pm
Gallery Lounge, Armour J.
Blackburn Center



What to Expect:

- Panel discussions from LADO faculty and administrators
- Research presentations
- Individual CV consultations
- Break out sessions
- Reception & Networking



 LIBERAL ARTS
DIVERSITY OFFICERS

For more information,
contact Dr. Gwen Bethea at
gbethea@howard.edu



Georgetown-Howard Universities Center for Clinical and Translational Science



REQUEST FOR PRE- AND POST-DOCTORAL TRAINEE APPLICATIONS IN TRANSLATIONAL BIOMEDICAL SCIENCE

WHAT: Georgetown-Howard Universities Center for Clinical and Translational Science (GHUCCTS) is now accepting applications for its TL1 Pre- and Post-doctoral Training Program in Translational Biomedical Science (TBS). Trainees will receive dual mentorship in basic science and clinical research based on an individualized Career Development Plan (CDP), including: 1) didactic education in human health and disease along with technical skill development and rigorous research methodology; 2) mentored experiential learning in clinical medicine; 3) dual-mentored research training in preclinical and clinical research; 4) individualized career guidance; and, 5) training in team science & leadership skills.

WHO: Predoctoral students who have completed their qualifying exams in PhD programs at Howard or Georgetown Universities. Postdoctoral fellows who have a primary appointment at Georgetown or Howard Universities, a MedStar Institution or the Washington VA.

FUNDING: Predoctoral student stipends follow individual PhD program levels; Postdoctoral fellow salaries follow NIH guidelines.

WHEN: Applications are due **Saturday, July 1, 2017**

This program's start date is **October 1, 2017** and awards will be announced **August 1, 2017**. Complete RFA can be downloaded from our website: www.translationalbiomedicalscience.org. Contact Emily Bujold for more information (tbsprogram@ghuccts.org).



**THE TIME IS
ALWAYS NOW**

HOWARD UNIVERSITY
SESQUICENTENNIAL
1867 - 2017

**OFFICE OF THE ASSOCIATE PROVOST
FOR RESEARCH AND GRADUATE STUDIES**

400 College Street, NW | Washington, DC 20059

202.806.6800

www.howard.edu