



Change, Challenge and Opportunity: Mentoring for Diverse Pathways to Success



The Leadership Alliance National Symposium
Hilton Stamford Hotel & Executive Meeting Center
Stamford, Connecticut
July 29 - 31, 2016

Welcome to the 2016 Leadership Alliance National Symposium



Medeva Ghee
Executive Director

On behalf of the Leadership Alliance community, it gives me great pleasure to welcome you to the 2016 Leadership Alliance National Symposium! The theme of this year's symposium, *Change, Challenge, and Opportunity: Mentoring for Diverse Pathways to Success*, is a call to action that harnesses the power of the Leadership Alliance to engage and prepare a diverse community of scholars for a global 21st century workforce.

The Leadership Alliance National Symposium (LANS) is a marquis national networking venue for the Alliance community of undergraduates, graduate students, postdoctoral fellows, research professionals, faculty members, and administrators. I would like to express my sincere thanks to the Symposium Planning Committee for their excellent arrangements in all aspects of the Symposium. LANS 2016 offers an exciting program that features an impressive array of distinguished speakers, scholarly student presentations, professional development panels and engaging networking activities.

During the symposium, we invite you to inspire *change* with the infusion of ideas from your unique perspectives. We encourage you to *challenge* how we think about our environment, our society, and our history through your research and scholarly presentations. Finally, we expect you to take advantage of the *opportunities* afforded through LANS to create new personal and professional networks, strengthen communication skills, mentor the next generation of scholars, and expand your knowledge about academic and career pathways.

We strive to stimulate a creative exchange of ideas through your interactions with colleagues from diverse educational, cultural and geographic backgrounds. We hope that LANS will be a memorable and rewarding experience for you.



Don C. Brunson
Chair, Symposium
Planning Committee

Greetings! Welcome to Stamford, CT and the 21st Leadership Alliance National Symposium (LANS)! We are delighted to have participation from undergraduate and graduate students, postdoctoral scholars, faculty members and administrators who, together, make the LANS and the Alliance unequalled sources for substantive intellectual capital. This year's theme is "*Change, Challenge, and Opportunity: Mentoring for Diverse Pathways to Success*." We believe that this year's activities, events and speakers wholeheartedly undergird the importance of multi-dimensional mentoring that supports and enhances diversity among individuals and ideas.

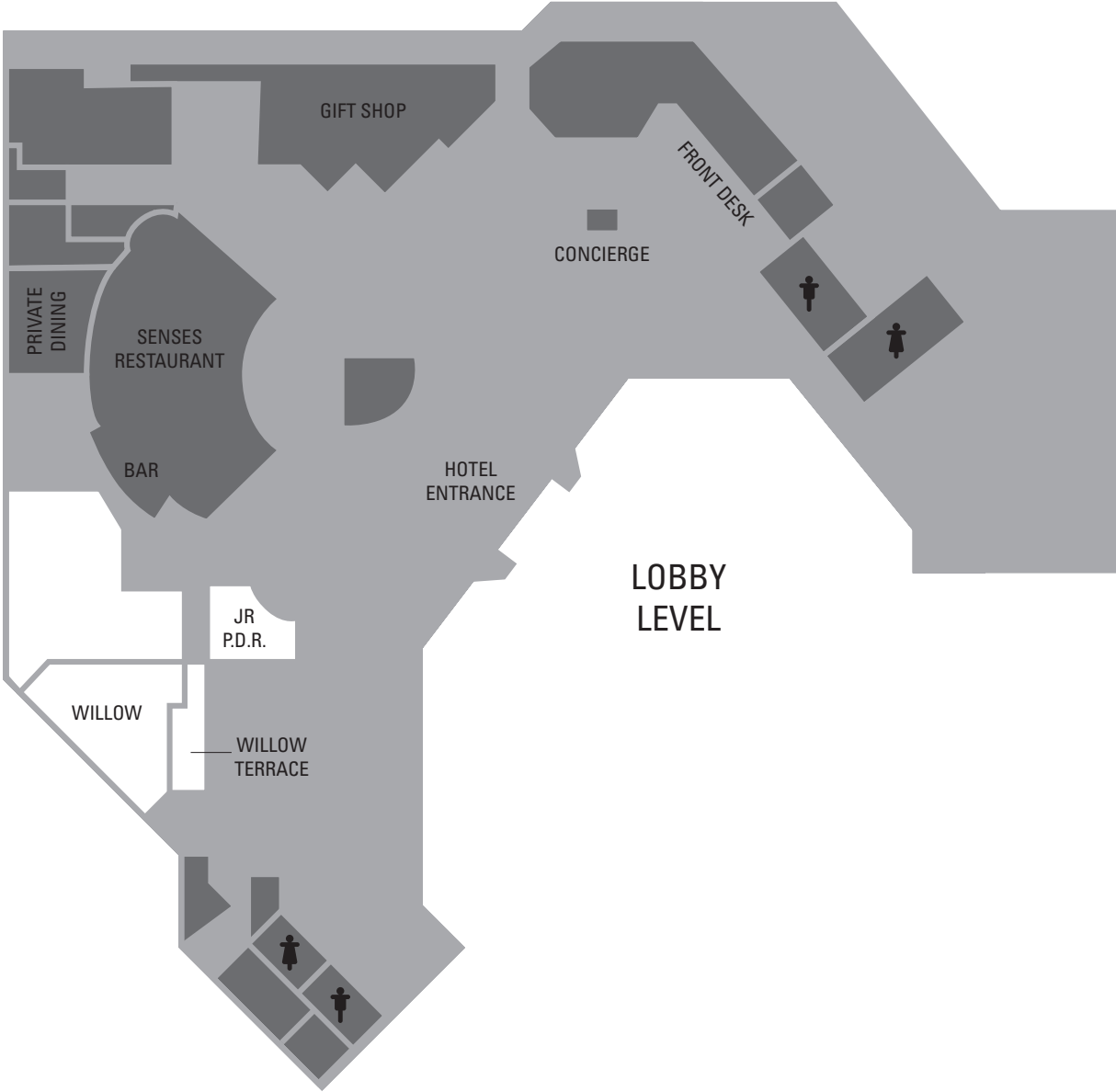
As the Chair of the National Symposium, I am proud to have had the opportunity to work with the Symposium Planning Committee and the Alliance's Executive Committee. Many hours of thoughtful input have gone into making this event successful for all attendees. There will be numerous opportunities for you to interact and network with your colleagues and collaborators, both current and future ones. We encourage you to take advantage of every opportunity and think of ways in which we can further strengthen the mission and execution of the LANS. We would love to receive your feedback.

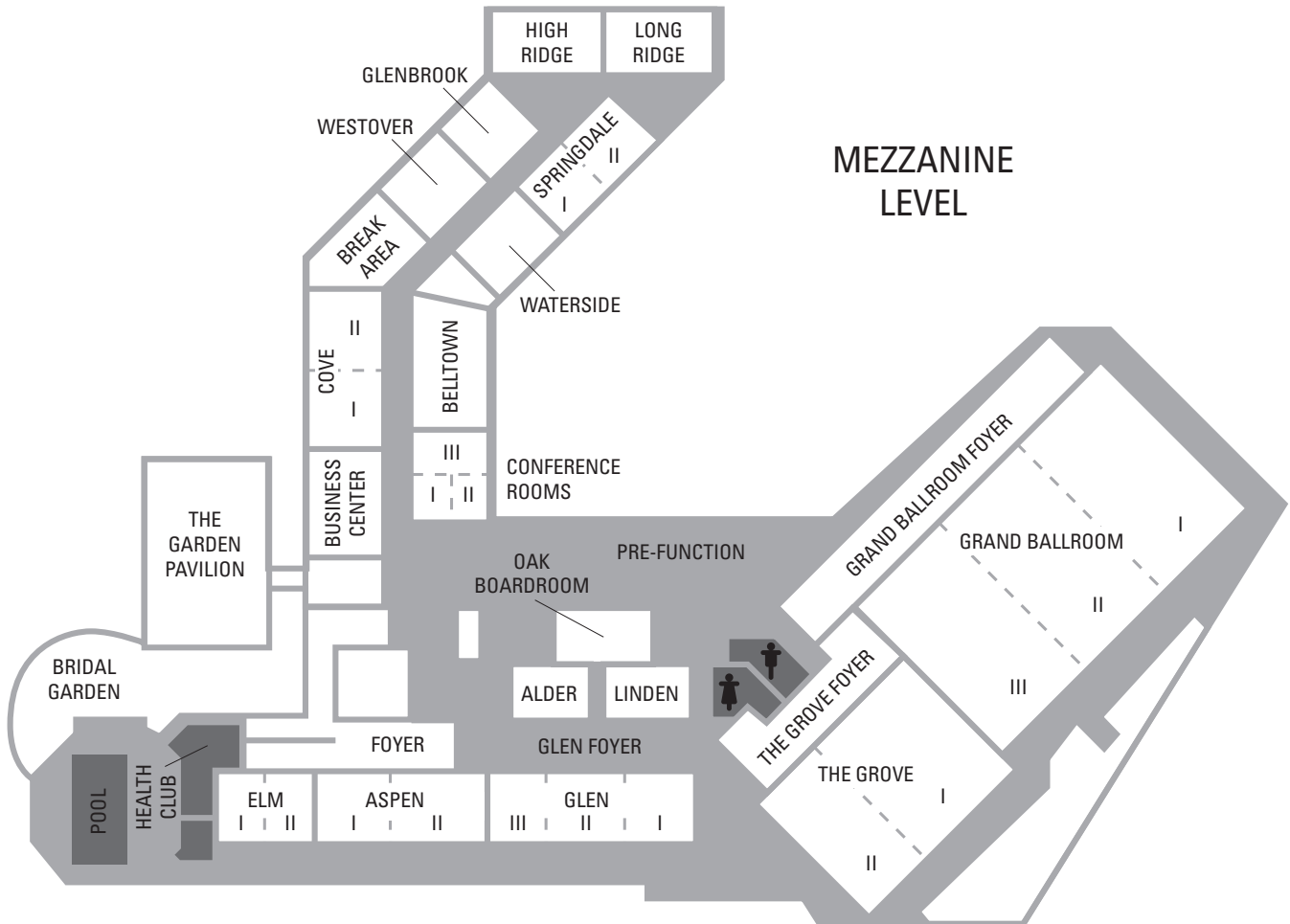
Undergraduate scholars, in the days to follow, you will hear presentations from panelists, students and others who will impart data and knowledge for your benefit. In return, we expect you to expand your scholarly horizons as you serve as ambassadors of your home and summer research institutions. To that end, we encourage you to re-read the LANS Code of Conduct to ensure that you fulfill your responsibilities in a manner consistent with your status as emerging scholars.

We hope that this LANS is a highlight of your summer activities. Enjoy the conference, the hotel, and the city!




Change, Challenge and Opportunity: Mentoring for Diverse Pathways to Success

Floor Plans.....	2
Symposium At-A-Glance	5
Agenda	6
Keynote Speaker	12
Oral Presentations by NAME	13
Poster Presentations by NAME	42
Poster Presentations by NUMBER.....	50
New Doctoral Scholars	53
Doctoral Scholar Participants.....	54
Faculty, Administrators and Other Participants	56
Graduate Student & Post Bac Participants.....	60
Undergraduate Participants	61
Who's Who at the Symposium.....	72
Leadership Alliance Executive Office Staff.....	83





Symposium At-A-Glance

Time	Undergraduate Sessions		Graduate Student Sessions	Doctoral Scholars	Administrators, Coordinators, All Faculty, Guests	SYNERGI Partner Faculty
Day 1 - Orientation, Networking & Welcome						
11:00am - 5:00pm	Registration					
11:00am - 3:00pm	PowerPoint Presentation Upload I					
12:00pm - 2:00pm	Networking Lunch					
3:00pm - 5:00pm	Funding/Orientation/Networking Sessions by Discipline					
4:00pm - 5:00pm			Moderators Training			
5:30pm - 6:30pm	PowerPoint Presentation Upload II				Community Meeting Coordinators, Administrators & All Faculty	
	Graduate Research Fellowship Programs (GRFP) Undergraduate Seniors, First and Second Year Graduate Students in STEM, Social Sciences, Psychology, Physics & Astronomy, Materials Research, Life Sciences, Geosciences					
7:00pm - 9:15pm	Dinner/Welcome/Alumni Panel					
9:30pm - 10:30pm	PowerPoint Presentation Upload III		Reception for Administrators, Coordinators, Doctoral Scholars, All Faculty, Graduate Students, Guests			
Day 2 - Student Presentations & Panel Discussions						
*Headshots can be taken all day Saturday in Willow, located on the Lobby Level and will stop at 5:15pm.						
9:00am - 3:00pm	Registration					
7:00am - 7:25am	Poster Setup					
7:30 - 9:00am	NOVARTIS presentation Gap Year Scholar Program	Biosciences, MD-PhD, Engineering & Physical Sciences			Note: Faculty who are not from IPERT partner institutions are encouraged to attend the Undergraduate breakfasts.	SYNERGI Part 1: <i>What is Research?</i> Facilitators' Workshop Note: This workshop is intended only for faculty from IPERT partner institutions: Brown, Spelman, Morehouse, University of Chicago, University of Pennsylvania, and Vanderbilt University.
	Post-baccalaureate Research Education Program (PREP)					
	*New - Who, What, Why? Getting acquainted with the Digital Humanities (Part 1)	Humanities & Social Sciences	Using Social Media for Professional Development			
9:00am - 5:00pm	Professional Headshots*					
9:15am - 10:45am	Student Poster Presentations					
11:15am - 12:45pm	Student Oral Presentations Session I - All Disciplines					
1:00pm - 2:30pm	*New Lunch with Doctoral Scholars Panel	Applied & Basic Biosciences			Note: Faculty who are not from IPERT partner institutions are encouraged to attend the Undergraduate lunches.	SYNERGI Part 2: <i>Collaborative Learning</i> Facilitators' Overview Note: This workshop is intended only for faculty from IPERT partner institutions: Brown, Spelman, Morehouse, University of Chicago, University of Pennsylvania, and Vanderbilt University.
	*New Lunch with Doctoral Scholars Panel	Engineering & Physical Sciences				
	*New -Collaboration on the Digital Humanities Playground (Part 2)	Humanities & Social Sciences	CV, Resume, or Something in Between?			
2:45pm - 4:15pm	Student Oral Presentations Session II - All Disciplines					
4:20pm - 4:40pm	Break/Snack					
4:45pm - 6:00pm	Student Oral Presentations Session III - Basic & Applied Biosciences, Humanities & Social Sciences					
GROUP PHOTOS FOR:						
5:30pm - 6:15pm	5:30pm IOS Students		5:40pm FYRE Students	6:00pm L.A. Coordinators	6:15pm: LAMI Students	
7:00pm - 9:00pm	Dinner & Keynote Speaker					
9:30pm - 12:00am	Dance Party					
Day 3 - Recruiting Fair & Next Steps						
8:00am - 9:45am	Breakfast Panels: Graduate School Application & Interview Process	Applied & Basic Biosciences	AAAS Presentation Applying for the AAAS Science & Technology Policy Fellowships			Note: All faculty are encouraged to attend the AAAS presentation
		MD-PhD				
		Humanities & Social Sciences				
		Engineering & Physical Sciences				
10:00am - 11:00am				Leadership Alliance Alumni Association Meeting		
10:00am - 12:00pm	Humanities & Social Sciences Recruiting Fair					
10:00am - 12:00pm	General Recruiting Fair (All Other Disciplines)					
12:30pm - 1:00pm	Undergrads--Complete Surveys/Raffle; All attendees join for Closing Remarks/Adjournment					

Agenda 2016

Friday, July 29

11:00am – 5:00pm

Leadership Alliance Conference Registration Mezzanine

11:00am – 3:00pm

PowerPoint Upload Session I Alder

12:00pm – 2:00pm

Networking Lunch - Everyone..... Garden Pavilion

Undergraduates:

3:00pm – 5:00pm

Funding Your Education by Discipline

4:20pm – 5:00pm

Orientation/Networking Session by Discipline

Applied & Basic Biosciences..... Grand Ballroom I

Moderators: Joel Oppenheim, Research Professor, Department of Microbiology, Professor Emeritus of Microbiology, Department of Microbiology, New York University; Sheila Thomas, Associate Dean of Academic Programs and Diversity, Harvard University

Funding Your Education Panel:

Joel Oppenheim, Research Professor, Department of Microbiology, Professor Emeritus of Microbiology, Department of Microbiology, New York University

Darryl Murray, Director, NIH Undergraduate Scholarship Program, Office of Intramural Training and Education, National Institutes of Health

Keisha John, Director of Diversity Programs, Office of Graduate and Postdoctoral Affairs, University of Virginia

Humanities & Social Sciences Grand Ballroom II

Moderators: Travis Boyce, Associate Professor of Africana Studies and Social Science, University of Northern Colorado; Scharri Walker, Assistant Professor in the Department of Biology, Tougaloo College

Funding Your Education Panel:

Christine O'Brien, Ford Fellowship, National Academy of Sciences, Engineering, and Medicine

Leislle Godo-Solo, Associate Director, Institute for Recruitment of Teachers

Engineering & Physical Sciences Grand Ballroom III

Moderator: Don Brunson, Assistant Dean, Graduate School and Director, Enhancing Diversity in Graduate Education Program, Vanderbilt University

Funding Your Education Panel:

Denise Ellis, Sloan Program Director, National Action Council for Minorities in Engineering

Sara Xayarath Hernandez, Director of Diversity Programs, Engineering College, Cornell University/ Institute for Broadening Participation

Yaihara Fortis-Santiago, Science Alliance Program Manager, The New York Academy of Sciences

4:00pm – 5:00pm

Moderators Training Glen
Moderator: Marcus Jones, Sequencing Research Microbiome Lead, Human Longevity, Inc.

5:30pm – 6:30pm

Graduate Research Fellowship Programs (GRFP) Glen
 (This session is for Undergraduate Seniors, First and Second Year Graduate Students in STEM, Social Sciences, Psychology, Physics & Astronomy, Materials Research, Life Sciences, Geosciences)
Moderator: David Stout, Assistant Professor, Department of Mechanical & Aerospace Engineering, California State University, Long Beach

5:30pm – 6:30pm

Leadership Alliance Community Meeting Grove

5:30pm – 6:30pm

Power Point Upload Session II Alder

~~~~~ Doors open at 6:30pm for dinner ~~~~~

**7:00pm – 9:15pm**

Welcome, Dinner, Alumni Panel ..... Grand Ballroom  
**Moderator:** Marcus Jones, Sequencing Research Microbiome Lead, Human Longevity, Inc.  
**Panelists:**  
**Landon Reid**, Law Clerk Litigation, Hughes Hubbard & Reed LLP  
**Marisa Galvez**, Assistant Professor of French and, by courtesy, of German Studies, Stanford University

**9:30pm – 10:30pm**

Reception ..... Grove I  
 Administrators, Coordinators, Doctoral Scholars, Faculty, Graduate Students and Guests

**9:30pm – 10:30pm**

Poster Setup ..... Garden Pavillion

**9:30pm – 10:30pm**

PowerPoint Upload Session III ..... Alder

## Saturday, July 30

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**7:00am – 7:25am**

Poster Setup ..... Garden Pavilion

**7:30am – 9:00am**

SYNERGI Part 1: *What is Research?* Workshop Overview ..... Grove  
 (Only Faculty and Administrators from IPERT Partner Institutions attend.)  
**Moderator:** Medeva Ghee, Executive Director, The Leadership Alliance, Assistant Professor of the Practice of Behavioral and Social Sciences, Brown University

~ Concurrent Sessions for Undergraduates ~

**7:30am – 9:00am**

Undergraduate Breakfasts:

Post-Baccalaureate Research Education Program (PREP)

Applied & Basic Biosciences, Engineering, Physical Science, & MD-PhD .....Grand Ballroom I & II

**Moderator:** Arnaldo Diaz, Assistant Dean for Research Training Programs, University of Pennsylvania

Gap Year Scholar Program (Novartis Institutes for Biomedical Research)

Applied & Basic Biosciences, Organic/Synthetic Chemistry, & MD-PhD .....Grand Ballroom I & II

**Moderator:** Anastacia Berzat, Scientific Program Manager Office of Education, Diversity & Inclusion, Novartis Institutes for Biomedical Research

**7:30am – 9:00am**

(New) Who, What, Why? Getting Acquainted with the Digital Humanities (Part 1)

Humanities & Social Sciences.....Grand Ballroom III

**Moderator:** Sarah E. Cornish, Assistant Professor of English, University of Northern Colorado

**7:30am – 9:00am**

Graduate Students & Doctoral Scholars Breakfast

(New) Using Social Media for Professional Development..... Glen

**Moderators:** Mónica I. Feliú-Mójer, Vice-Director, Ciencia Puerto Rico, and Program Manager- Science Outreach, iBiology and Yaihara Fortis-Santiago, Science Alliance Program Manager, The New York Academy of Sciences

**9:00am – 5:15pm**

Professional Headshots..... Willow

**9:00am – 5:00pm**

Leadership Alliance Conference Registration ..... Mezzanine

**9:15am – 10:45am**

Student Poster Presentations..... Garden Pavilion

**11:15am – 12:45pm**

Student Oral Presentations Session I

**Applied & Basic Biosciences:** Elm I, Elm II, Aspen I, Aspen II, Glen I, Glen II, Glen III, Alder

**Humanities & Social Sciences:** Belltown, Cove I, Cove II, Waterside, Springdale I, Springdale II

**Engineering & Physical Sciences:** Westover, Glenbrook, High Ridge, Long Ridge

~ Lunch served 1:00pm. Sessions conducted from 1:30-2:30pm ~

Concurrent Sessions for Undergraduates

(New) Lunch with Doctoral Scholars (Panel)

Undergraduates in Applied & Basic Bioscience ..... Garden Pavilion

**Moderator:** Chinonye Nnakwe, AAAS Science & Technology Policy Fellow, National Science Foundation

**Speakers:**

**Fernando Cruz-Guilloty**, R&D Scientist III, Immucor, Inc.

**Marcus Jones**, Sequencing Research Microbiome Lead, Human Longevity, Inc.

**Chloe Poston**, Policy and Communications Manager, Genetics Society of America

(New) Lunch with Doctoral Scholars (Panel)

Undergraduates in Engineering & Physical Sciences .....Grand Ballroom I

**Moderator:** David Stout, Assistant Professor, Department of Mechanical & Aerospace Engineering, California State University, Long Beach

**Speakers:**

**George Aninwene II**, Postdoctoral Fellow, Northeastern University

**Yisa Rumala**, Optical Engineer, AOX Northrop Grumman; Visiting Scholar, University of Michigan, Ann Arbor

(New) Collaboration on the Digital Humanities Playground (Part 2)

Undergraduates in Humanities & Social Sciences .....Grand Ballroom III

**Moderator:** Sarah E. Cornish, Assistant Professor of English, University of Northern Colorado

(New) CV, Resume, or Something in Between?

Graduate Students & Doctoral Scholars ..... Grand Ballroom II

**Moderators:** Mónica I. Feliú-Mójer, Vice-Director, Ciencia Puerto Rico, and Program Manager- Science Outreach, iBiology and Yaihara Fortis-Santiago, Science Alliance Program Manager, The New York Academy of Sciences

SYNERGI Part 2: *Collaborative Learning* Workshop Overview..... Grove

(Only Faculty and Administrators from IPERT Partner Institutions attend.)

**Moderator:** Medeva Ghee, Executive Director, The Leadership Alliance, Assistant Professor of the Practice of Behavioral and Social Sciences, Brown University

**2:45pm – 4:15pm**

Student Oral Presentations Session II

**Applied & Basic Biosciences:** Elm I, Elm II, Aspen I, Aspen II, Glen I, Glen II, Glen III, Alder, Belltown, Waterside, Springdale I, Springdale II

**Humanities & Social Sciences:** Belltown, Cove I, Cove II, Waterside, Springdale I, Springdale II

**Engineering & Physical Sciences:** Westover, Glenbrook, High Ridge, Long Ridge

~~~~~ Break, 4:20 pm – 4:40 pm ~~~~~

4:45pm – 6:00pm

Student Oral Presentations Session III

Applied & Basic Biosciences: Elm I, Elm II, Aspen I, Aspen II, Glen I, Glen II, Glen III, Alder

Humanities & Social Sciences: Belltown, Cove I, Cove II, Waterside, Springdale I, Springdale II

Engineering & Physical Sciences: Westover, Glenbrook, High Ridge, Long Ridge

5:30pm – 6:00pm

Leadership Alliance Photos for the Following Groups ONLYLobby

IOS Students: 5:30pm

FYRE Students: 5:40pm

L.A. Coordinators: 6:00pm

LAMI Students: 6:15pm

~~~~~ Doors open at 6:30pm for dinner ~~~~~

**7:00pm – 9:00pm**

Dinner, Keynote Speaker ..... Grand Ballroom

**Ambassador June Carter-Perry**

**9:30pm – 12:00am**

Dance ..... Grove

## Sunday, July 31

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**7:30am – 10:00am**

Exhibitors Set-up for Recruiting Fair ..... Garden Pavilion & Grove I

~~~~ Breakfast served 8:00-8:45am. Sessions conducted from 8:45-9:45am ~~~~

Undergraduate Breakfast and Panels: The Graduate School Application

Applied & Basic Biosciences.....Grand Ballroom I

Moderator: Joel Oppenheim, Research Professor, Department of Microbiology, Professor Emeritus of Microbiology, Department of Microbiology, New York University

Panelists:

Joel Oppenheim, Research Professor, Department of Microbiology, Professor Emeritus of Microbiology, Department of Microbiology, New York University

Sheila Thomas, Associate Dean of Academic Programs and Diversity, Harvard University

MD-PhD Grand Ballroom II

Moderator: Brian Sullivan, Executive Director MSTP MD-PhD Program, Washington University in St. Louis

Panelists:

Naoko Tanese, Associate Dean for Biomedical Sciences; Director of the Sackler Institute of Graduate Biomedical Sciences, New York University

Nancy Schwartz, Associate Dean for Postdoctoral Affairs and Co-Director of the Office of Graduate Affairs, University of Chicago

Humanities & Social SciencesGrand Ballroom III

Moderator: Cynthia Neal-Spence, Associate Professor of Sociology and Director of the UNCF/Mellon Programs, Spelman College

Panelists:

Joseph Brown, Graduate Diversity Recruitment Officer, Stanford University

Pat Rea, Associate Director for Admissions, Graduate Division, School of Arts & Sciences, University of Pennsylvania

Matthew Roller, Professor of Classics and Vice Dean for Graduate Education, and Centers and Programs in the Krieger School of Arts and Sciences at Johns Hopkins University

Engineering & Physical SciencesAspen

Moderator: Don Brunson, Assistant Dean, Graduate School and Director, Enhancing Diversity in Graduate Education Program, Vanderbilt University

Panelist:

Don Brunson, Assistant Dean, Graduate School and Director, Enhancing Diversity in Graduate Education Program, Vanderbilt University

Michelle Nearon, Associate Dean for Graduate Student Development and Diversity, Director OGSDD, Yale University

8:00am – 9:45am

AAAS Presentation Glen

Applying for the AAAS Science & Technology Policy Fellowships

Graduate Student, Doctoral Scholar & Faculty

Moderator: Chloe Poston, Policy and Communications Manager, Genetics Society of America

10:00am – 11:00am

Leadership Alliance Alumni Association Meeting Glen

10:00am – 12:00pm

General Recruiting Fair Garden Pavilion

10:00am – 12:00pm

Humanities & Social Sciences Recruiting FairGrove I

12:30pm – 1:00pm

Fill out surveys, Closing Remarks, AdjournmentGrand Ballroom I & II

AMBASSADOR JUNE CARTER PERRY (RET)

Keynote Speaker



Ambassador June Carter Perry served as the United States envoy to the Kingdom of Lesotho and to the Republic of Sierra Leone from 2004-2010 when she retired from the U.S. Department of State following 26 years in the Foreign Service. Her other assignments included Deputy Chief of Mission (Deputy Ambassador) in Madagascar and in the Central African Republic where she coordinated the evacuation of American citizens and allies during military coups; was the primary interlocutor with resident embassies as well as with the National Security Council, the U.S. Embassy in France and a coalition of African ambassadors to achieve multilateral talks, a cease fire as well as a UN peacekeeping force. Prior to her appointment as Ambassador, she was Director of Social and Humanitarian Affairs in the State Department's Bureau of International

Organizations responsible for U.S. policy and liaison with the United Nations in New York and Geneva. Her overall portfolio included the Commissions on Human Rights and Women; the UN High Commission on Refugees and the UN Economic and Social Council. In this position, she was responsible for bilateral and multilateral negotiations with United Nations representatives and ambassadors and for overseeing U.S. staff in Washington and Geneva. During her tenure as Office Director, she served concurrently for periods of time as Acting Deputy Assistant Secretary of State supervising U.S. budgetary, public affairs and political interaction with international bodies.

Other Foreign Service assignments included Diplomat in Residence at Howard University; Chief of Internal Political Affairs and Narcotics Coordinator at the American Embassy in Paris; Special Assistant to the Deputy Secretary of State and political officer at State. Ambassador Carter-Perry also created a bursaries program for non-white South African students. The program, which began with \$10 million in 1988, had reached \$200 million by the 1990's becoming a permanent entity to train new South African administrators. Later, she collaborated with the White House to achieve a nearly \$400 million grant for Lesotho through the Millennium Challenge Corporation to combat AIDS, improve infrastructure including water and open a CDC office. She received State Superior and Meritorious Honor Awards and the President's Meritorious Award for advancing U.S. policy. She was Chair of State Department promotion panels; the Pickering Foreign Affairs Fellowship panels; a mentor to officers and a founder of the Rangel Foreign Affairs Fellowship Program. Following her 2010 retirement, Ambassador Carter-Perry became a speaker at the University of South Carolina's Rule of Law School, the Harry S Truman School of Public Affairs at the University of Missouri; the University of Utah Law School and the Cyrus Vance Visiting Professor in International Relations at Mount Holyoke College in Massachusetts. Before State, she was on the faculties of the University of Maryland and North Carolina A&T University; Director of Public Affairs for Peace Corps and producer/ host for WGMS/RKO radio. Former Chair of the Federal City Public Service Foundation, she is a member of the Council on Foreign Relations. A graduate of Loyola University Chicago (BA); the University of Chicago (MA) and the National Defense University, she was a Woodrow Wilson Fellow.

Oral Presentations by Name

Yamilex Acevedo.....3:00 PM, Alder

Presentation Title: Upregulation of nmrS by Nitrogen Species in *Vibrio Cholerae*
 Research Mentor: Jun (Jay) Zhu
 Research Institution: University of Pennsylvania
 Home Institution: UPR-Mayaguez
 Co-Authors: Jun Zhu, University of Pennsylvania
 BB

Adeola Adeyeye.....5:30 PM, Waterside

Presentation Title: The Role of Latent Transforming Growth Factor-Beta Binding Protein (LTBP) in Mammary Gland Development
 Research Mentor: Pamela Cowin
 Research Institution: New York University Sackler Institute
 Home Institution: SUNY Stony Brook
 Co-Authors: Anupama Chandramouli and Pamela Cowin, New York University
 BB

Chika Adiele.....12:30 PM, Alder

Presentation Title: Human Parkinson's Disease Therapeutic Approach Functions in Fruit Flies
 Research Mentor: Jay Hirsh
 Research Institution: University of Virginia
 Home Institution: University of Virginia
 Co-Authors: Jay Hirsh, University of Virginia
 BB

Nicole Agaronnik..... 3:30 PM, Glen III

Presentation Title: Testing the Role of Ornithine Decarboxylase (ODC1) in Wound Detection
 Research Mentor: Gary Gerlach
 Research Institution: Weill Cornell Medical College
 Home Institution: Cornell University
 Co-Authors: Gary Gerlach II and Philipp Niethammer, Weill Cornell Medical College
 BB

Chimsom Agbim.....3:15 PM, Glen II

Presentation Title: Mechanistic Interrogation of PI3K/AKT/mTOR Signalling and Cancer Metabolism
 Research Mentor: Kayvan Keshari
 Research Institution: Weill Cornell Medical College
 Home Institution: Vanderbilt University
 Co-Authors: Sui-Seng Tee and Kayvan Keshari, Weill Cornell Medical College
 BB

Najah Ahmed..... 5:00 PM, Glen I

Presentation Title: Collection and Analysis of Tumor-Derived Exosomes in 3D Paper-Based Platform
 Research Mentor: Melody Swartz
 Research Institution: University of Chicago
 Home Institution: San Diego City College
 Co-Authors: Melody Swartz, Renata Mezyk-Kopec and Ruolan Zhou, University of Chicago
 AB

Rachael Aikens..... 4:45 PM, Glen III

Presentation Title: Systolic Blood Pressure and Risk of Type 2 Diabetes: A Mendelian Randomization Study
 Research Mentor: Benjamin Voight
 Research Institution: University of Pennsylvania
 Home Institution: Swarthmore College
 Co-Authors: Benjamin F. Voight, University of Pennsylvania
 AB

Gabrielle Akcelik.....5:30 PM, Cove I

Presentation Title: Integration of Audiovisual Information in Prematurely Born Infants vs. Fullterm Infants
 Research Mentor: Lauren Emberson
 Research Institution: Princeton University
 Home Institution: Brooklyn College CUNY
 Co-Authors: Lauren Emberson, Princeton University
 SS

Presentation Categories Key

| | |
|----|--|
| AB | Applied Biosciences, <i>Molecular Processes and Genetics, Biochemistry</i> |
| BB | Basic Biosciences, <i>Human Biology & Disease, Public Health, Biomedical Engineering</i> |
| EN | Engineering, <i>Mechanical, Electrical & Materials Engineering</i> |
| ES | Earth Science, <i>Environment Sciences, Geosciences, Marine Sciences</i> |
| HU | Humanities, <i>Literature, Language Arts, History, Media</i> |
| PE | Policy & Ethics, <i>Politics, Policy & Legislation, Ethics, Philosophy & Reasoning</i> |
| PS | Physical Science, <i>Chemistry, Math, Physics, Computer Sciences, Computer Engineering</i> |
| SS | Social Science, <i>Sociology, Economics, Psychology, and Behavior Sciences</i> |

Temitope Akinade.....5:15 PM, Alder

Presentation Title: Role of Hematopoietic Stem Cell
Differentiation Transcription Factors in TET2 and
IDH2 Mutant Acute Myeloid Leukemias
Research Mentor: Alan Shih
Research Institution: Weill Cornell Medical College
Home Institution: Columbia University
Co-Authors: Alan Shih and Ross Levine, Weill Cornell
Medical College
AB

Kemi Akinola.....5:00 PM, Waterside

Presentation Title: Characterization of the Lin28
Paralogs Throughout Embryonic Development
Research Mentor: Jihan Osborne
Research Institution: Harvard University, Division of
Medical Sciences
Home Institution: University of Maryland,
Baltimore County
Co-Authors: Jihan Osborne, Boston Children's Hospital;
George Daley, Boston Children's Hospital and
Harvard Medical School
AB

Emily Alway..... 5:00 PM, Belltown

Presentation Title: Fear Extinction in Chronically
Stressed Mice Following Ketamine Administration
Research Mentor: Conor Liston
Research Institution: Weill Cornell Medical College
Home Institution: Johns Hopkins University
Co-Authors: Rachel Moda and Conor Liston,
Weill Cornell Graduate School
AB

Jeremy Anderson..... 11:15 AM, Springdale II

Presentation Title: The Value of Black Bodies:
From Emmett Till to Trayvon Martin
Research Mentor: Omar McRoberts
Research Institution: University of Chicago
Home Institution: Jackson State University
Co-Authors: Omar McRoberts, University of Chicago
SS

Mysia Anderson.....11:15 AM, Cove II

Presentation Title: Blac Chyna and the Black
Ratchet Imagination
Research Mentor: Shayoni Mitra
Research Institution: Columbia University
Home Institution: Stanford University
Co-Authors: Shayoni Mitra, Columbia University
HU

Marnay Avant.....12:30 PM, Springdale II

Presentation Title: A Lone Black Island in a Sea of
Whiteness: Tracing Racial Discrimination in the
Meacham Park
Research Mentor: Walter Johnson
Research Institution: Harvard University
Home Institution: Colby College
Co-Authors: Walter Johnson, Harvard University
Arts & Sciences
HU

Jordan Baker-Tealer.....12:30 PM, Cove I

Presentation Title: A Dynamic Game Modeling
Cultural Appropriation
Research Mentor: Dan O'Flaherty
Research Institution: Columbia University
Home Institution: Emory University
Co-Authors: Dan O'Flaherty, Columbia University
SS

Andrea Baltazar.....5:00 PM, Cove I

Presentation Title: Evaluating Criterion A of the DSM-5
Alternative Model of Personality Pathology
Research Mentor: Thomas Oltmanns
Research Institution: Washington University in St. Louis
Home Institution: University of Texas at El Paso
Co-Authors: Patrick Cruitt, Michael Boudreaux and
Thomas Oltmanns, Washington University
in St. Louis
SS

Laura Bancroft.....3:00 PM, Westover

Presentation Title: Synthesis of Thermotropic,
Hexagonal Columnar Liquid Crystalline Molecules
for Photon Upconversion
Research Mentor: Chinedum Osuji
Research Institution: Yale University
Home Institution: Wellesley College
Co-Authors: Chinedum Osuji and Kohsuke Kawabata,
Yale University
PS

Laura Baratta.....12:30 PM, Elm II

Presentation Title: Assessing Effects of Instrumental
Learning Procedures in a Mouse Model for Autism
Research Mentor: Ted Abel
Research Institution: University of Pennsylvania
Home Institution: Temple University
Co-Authors: Nicola Grissom, University of Cincinnati;
Matt Marini, University of Pennsylvania; Ted Abel,
University of Pennsylvania
BB

Shawntel Barreiro..... 11:30 AM, Cove I

Presentation Title: Complexities Surrounding the Sociolinguistic Aspects of the Mohegan and Mahican Tribes

Research Mentor: Claire Bowern

Research Institution: Yale University

Home Institution: CSU Northridge

Co-Authors: Claire Bowern, Yale University

HU

Eric Barrientos.....11:45 AM, Glen III

Presentation Title: Synthesis of Modified Hepatitis C Virus Genomes to Screen for Replication-Enhancing Host Factors

Research Mentor: Charles Rice

Research Institution: Weill Cornell Medical College

Home Institution: Arizona State University

Co-Authors: Charles M. Rice and Mohsan Saaed, Weill Cornell Medical College

AB

Beatriz Barros..... 3:45 PM, Cove II

Presentation Title: Framing Dissent: Mass Demonstrations in Democratic Brazil

Research Mentor: Margaret Keck

Research Institution: Johns Hopkins University

Home Institution: Cornell University

Co-Authors: Margaret Keck, Johns Hopkins University

SS

Sabrina Bensouda..... 3:15 PM, High Ridge

Presentation Title: Investigating the Osteogenic Differentiation of Human Mesenchymal Stem Cells on Bulk Metallic Glasses

Research Mentor: Themis Kyriakides

Research Institution: Yale University

Home Institution: Vanderbilt University

Co-Authors: Themis Kyriakides and Ayomiposi Loye, Yale University

EN

Brandon Berk (Padgett)..... 3:30 PM, Glenbrook

Presentation Title: The Study Of Water Ice In Astrophysically Relevant Conditions Using Kinetic Monte Carlo Simulations

Research Mentor: Robin Garrod

Research Institution: University of Virginia

Home Institution: Heritage University

Co-Authors: Robin Garrod and Aspen Clements, University of Virginia

PS

Mayra Betancourt-Ponce.....3:30 PM, Glen II

Presentation Title: The Role of Glucocorticoid Receptor on Estrogen Receptor (ER)-Mediated Proliferation in ER+ Breast Cancer Cells

Research Mentor: Suzanne Conzen

Research Institution: University of Chicago

Home Institution: UPR-Rio Piedras

Co-Authors: Mayra A. Betancourt-Ponce, Eva Tonsing-Carter and Suzanne D. Conzen, University of Chicago

BB

Sarah Blunt..... 4:00 PM, High Ridge

Presentation Title: Orbits for the Impatient: Quickly Constraining the Orbits of Bound Exoplanets and Brown Dwarfs for the Gemini Planet Imager and the Wide Field Infrared Survey Telescope

Research Mentor: Bruce Macintosh

Research Institution: Stanford University

Home Institution: Brown University

Co-Authors: Eric Nielsen and Bruce Macintosh, Stanford University

PS

Semassa Boko..... 3:15 PM, Cove II

Presentation Title: Latent Voices and Unrecognized Visions: Social Justice Work in the Civil Engineering and Architecture Professions

Research Mentor: Shawhin Roudbari

Research Institution: University of Colorado Boulder

Home Institution: Pomona College

Co-Authors: Shawhin Roudbari, University of Colorado Boulder

SS

Aliyah Bolton..... 4:00 PM, Aspen II

Presentation Title: In Vivo Effects of miR-138 in Dorsal Hippocampus and Medial Habenula on Nicotine Behaviors in Mice

Research Mentor: Marissa Ehringer

Research Institution: University of Colorado Boulder

Home Institution: Scripps College

Co-Authors: Marissa Ehringer, Sonya Belimezova and Matthew Powers, University of Colorado Boulder

BB

Samuel Border.....12:00 PM, Glen II

Presentation Title: The Effect of STAT6 -/- on Gut Microbiota During Helminth Infection
 Research Mentor: Png Loke
 Research Institution: New York University Sackler Institute
 Home Institution: Rochester Institute of Technology
 Co-Authors: Png Loke and Mei San Tang, New York University
 BB

Da'Von Boyd.....11:45 AM, Belltown

Presentation Title: Rawls and a Critique of Neoliberal Reason
 Research Mentor: Latanya Sweeney
 Research Institution: Harvard University
 Home Institution: Morehouse College
 Co-Authors: Latanya Sweeney, Harvard University; Andrew Douglas, Morehouse College
 PE

Lianne Brito.....11:15 AM, Westover

Presentation Title: Dynamic Centrifuge Modeling of Multiple Structures on Liquefiable Ground
 Research Mentor: Shideh Dashti
 Research Institution: University of Colorado Boulder
 Home Institution: University of Central Florida
 Co-Authors: Shideh Dashti, University of Colorado Boulder
 EN

Alisha Bruce..... 12:00 PM, Springdale I

Presentation Title: Apre Dans Tanbou Lou: A Counterfactual Interpretation of the Haitian Revolution
 Research Mentor: Millery Polyné
 Research Institution: New York University
 Home Institution: Howard University
 Co-Authors: Millery Polyné, New York University
 HU

Khadesha Bryant..... 5:45 PM, Aspen II

Presentation Title: Discovery of Novel Susceptibility Factors in RAG-Mediated DNA Rearrangement on a H2AX Deficient Background
 Research Mentor: Barry Sleckman
 Research Institution: Weill Cornell Medical College
 Home Institution: Finger Lakes Community College
 Co-Authors: Yinan Wang and Barry Sleckman, Weill Cornell Medical College
 BB

Nicholas Caldwell..... 12:15 PM, Cove II

Presentation Title: Intersectionality, Genealogy, and the Poetry of Pat Parker
 Research Mentor: Hollis Robbins
 Research Institution: Johns Hopkins University Arts and Sciences
 Home Institution: Cornell University
 Co-Authors: Hollis Robbins, Johns Hopkins University HU

Merarys Caquias..... 12:30 PM, High Ridge

Presentation Title: On the Use of Multi-Arm Spiral Antennas for Simultaneous Transmit and Receive (STAR) Applications
 Research Mentor: Dejan Filipovic
 Research Institution: University of Colorado Boulder
 Home Institution: UPR-Mayaguez
 Co-Authors: Dejan Filipovic and Mohamed Elmansouri, University of Colorado Boulder
 EN

Matthew Casias.....11:30 AM, Glenbrook

Presentation Title: A Human Study of RAPID Debugging
 Research Mentor: Westley Weimer
 Research Institution: University of Virginia
 Home Institution: University of Virginia
 Co-Authors: Westley Weimer and Kevin Angstadt, University of Virginia
 PS

Krystal Cervantes..... 3:00 PM, Cove II

Presentation Title: Chicano Youth & their Involvement in the Chicano Empowerment Movement in the 1960s & 1970s
 Research Mentor: Brian Herrera
 Research Institution: Princeton University
 Home Institution: University of Southern California
 Co-Authors: Brian Herrera, Princeton University
 HU

Katherine Chan..... 2:45 PM, High Ridge

Presentation Title: Southern Ocean Acidification: Setting the Stage
 Research Mentor: Nicole Lovenduski
 Research Institution: University of Colorado Boulder
 Home Institution: Wellesley College
 Co-Authors: Nikki Lovenduski, University of Colorado Boulder
 ES

Jaime Chapa.....12:00 PM, Cove I

Presentation Title: Closing the Explanatory Gap of Consciousness: Possible World Semantics and Conceptual Acrobatics
 Research Mentor: Edward Hall
 Research Institution: Harvard University
 Home Institution: Texas A&M University Kingsville
 Co-Authors: Edward Hall, Harvard University
 HU

Ashley Chatterton..... 5:15 PM, Aspen II

Presentation Title: Parameterizing TFit to Determining RNA Polymerase Activity Across the Genome
 Research Mentor: Robin Dowell
 Research Institution: University of Colorado Boulder
 Home Institution: New Mexico State University
 Co-Authors: Robin Dowell, Mary Allen and Joey Azofeifa, University of Colorado Boulder
 BB

Salima Clark.....3:15 PM, Cove I

Presentation Title: Determining Group Affiliation in 3 to 9-Year-Old Children
 Research Mentor: Yarrow Dunham
 Research Institution: Yale University
 Home Institution: Spelman College
 Co-Authors: Yarrow Dunham, Yale University
 SS

Juan Contreras..... 3:00 PM, Springdale I

Presentation Title: The Social Support Paradox: Addressing the Differences of Perceiving and Receiving Social Support
 Research Mentor: Niall Bolger
 Research Institution: Columbia University
 Home Institution: Michigan State University
 Co-Authors: Niall Bolger, Columbia University
 SS

Diana Cordero..... 3:00 PM, Glenbrook

Presentation Title: Calibrating TRIS Buffers for pH Measurements in Natural Seawater
 Research Mentor: Frank Millero
 Research Institution: University of Miami
 Home Institution: Barry University
 Co-Authors: Frank Millero and Ryan Woosley, University of Miami
 ES

Christa Corley..... 11:45 AM, Aspen I

Presentation Title: RAGE and STING Inflammatory Signaling In Breast Cancer
 Research Mentor: Barry Hudson
 Research Institution: University of Miami
 Home Institution: Tougaloo College
 Co-Authors: Barry Hudson and Tae Kyoung Kwak, University of Miami
 AB

Gabriela Corona.....11:15 AM, Springdale I

Presentation Title: From Paper to Digital: Providing LGBTQ Relevant History Within K-12 Curriculum Using Digital Historical Databases
 Research Mentor: Alison Booth
 Research Institution: University of Virginia
 Home Institution: CSU Dominguez Hills
 Co-Authors: Alison Booth, University of Virginia
 HU

Pascual Cortes-Monroy.....3:00 PM, Waterside

Presentation Title: The Effects of Public Opinion on Climate Change: A Comparative Analysis of Policy Responsiveness, Energy Sources, and Investment Trends at the State Level
 Research Mentor: Robert Shapiro
 Research Institution: Columbia University
 Home Institution: Amherst College
 Co-Authors: Robert Shapiro, Columbia University
 PE

Luis Cortina..... 3:15 PM, Glen III

Presentation Title: Developing a Design for Tumor-Infiltrating lymphocyte (TILs) Expansion Through Multi-Parameter Immunophenotyping
 Research Mentor: Daniel Powell Jr.
 Research Institution: University of Pennsylvania
 Home Institution: Johns Hopkins University
 Co-Authors: Daniel Powell Jr., Jessica Chacon and Monika Stanciauskas, University of Pennsylvania
 BB

David Curtiss..... 3:15 PM, Springdale I

Presentation Title: "The Golden Ticket": Examining The Role of Mental Health Referrals in Treatment for Youth
 Research Mentor: Carla Shedd
 Research Institution: Columbia University
 Home Institution: American University
 Co-Authors: Carla Shedd, Columbia University
 SS

Kiana Dash..... 5:30 PM, Springdale I

Presentation Title: Do Non-C1 Cells in the Rostral
Ventrolateral Medulla Increase Blood Pressure?
Research Mentor: Ruth Stornetta
Research Institution: University of Virginia School
of Medicine
Home Institution: Hampton University
Co-Authors: Patrice G. Guyenet, Ruth L. Stornetta and
Benjamin B. Holloway, University of Virginia
BB

Keilah Davis.....12:00 PM, Westover

Presentation Title: Stripe 82 X-ray Point Source Analysis
Research Mentor: Meg Urry
Research Institution: Yale University
Home Institution: North Carolina State University
Co-Authors: C. Meg Urry and Tonima Ananna,
Yale University
PS

Kelvin De Leon.....3:30 PM, Waterside

Presentation Title: Emotional, Physiological, and
Neurocognitive Effects of Adderall in Healthy
College Students
Research Mentor: Tara White
Research Institution: Brown University
Home Institution: Hunter College
Co-Authors: Adam Nitenson, Brown University; Lisa
Weyandt, University of Rhode Island; Tara White,
Brown University
SS

Pamela Del Valle..... 5:45 PM, Belltown

Presentation Title: Examining Sex Differences in
Sleep Parameters Before and After Stress in a
Rodent Model
Research Mentor: Seema Bhatnagar
Research Institution: University of Pennsylvania
Home Institution: University of Texas at Austin
Co-Authors: Seema Bhatnagar, Laura Grafe and
Sandra Luz, University of Pennsylvania
BB

Deborah Dele-Oni..... 4:45 PM, Glen I

Presentation Title: Mechanism to Study the
Comorbidity Between Parkinson's and Melanoma
in a Cell Culture Model
Research Mentor: Gregory Petsko
Research Institution: Weill Cornell Medical College
Home Institution: UMass Dartmouth
Co-Authors: Gregory Petsko and Anindita Bose,
Weill Cornell Medical College
BB

Jaclyn Dell.....3:00 PM, Aspen I

Presentation Title: Localization of Notch Pathway
Proteins in the Adult Drosophila Brain
Research Mentor: Karla Kaun
Research Institution: Brown University
Home Institution: University of South Florida
Co-Authors: Karla Kaun and Emily Petrucci,
Brown University
BB

Joseph Devlin.....12:30 PM, Glen II

Presentation Title: Characterizing Human Microbiome
Gene Expression Through the Development of a
Metatranscriptomic Analysis Pipeline
Research Mentor: Kelly Ruggles
Research Institution: New York University
Sackler Institute
Home Institution: University of Florida
Co-Authors: Kelly Ruggles and Thomas Battaglia,
New York University
BB

DreVon Dobson.....3:30 PM, Elm II

Presentation Title: The Effect of Sustained Adenosine on
Lung Microvascular Endothelial Cell Necroptosis
and Barrier Dysfunction
Research Mentor: Qing Lu
Research Institution: Brown University
Home Institution: North Carolina A&T State University
Co-Authors: Qing Lu, Eboni Chambers and Junsuk Ko,
Brown University
BB

Shannon Doherty..... 5:30 PM, Glen III

Presentation Title: Determining AUF1's Impact on
Leptin Expression and Adipogenesis
Research Mentor: Robert Schneider
Research Institution: New York University
Sackler Institute
Home Institution: Davidson College
Co-Authors: Robert Schneider and Lauren Larkin,
New York University
AB

Tatyana Donaldson.....11:45 AM, Springdale I

Presentation Title: A Content Analysis of Hegemonic
Femininity in Mass Media
Research Mentor: Hilary Levey Friedman
Research Institution: Brown University
Home Institution: Claflin University
Co-Authors: Hilary Levey Friedman, Brown University
SS

Elyza Dottin..... 12:30 PM, Springdale I

Presentation Title: Abused, Shamed, and Silenced:
Revictimizing Black Women in Their Sexual
Assault Claims in Contemporary U.S. Society
Research Mentor: Celia E. Naylor
Research Institution: Columbia University
Home Institution: Williams College
Co-Authors: Celia Naylor, Columbia University
HU

Janelle Doyle.....11:30 AM, Glen I

Presentation Title: Incorporation of Oxygen-Sensing
Boron Nanoparticles Into a 3D Printed Muscle Scaffold
Research Mentor: Shayn Peirce-Cottler
Research Institution: University of Virginia School
of Medicine
Home Institution: CSU San Bernardino
Co-Authors: Shayn Peirce-Cottler, University
of Virginia
AB

Sofia Duenas.....4:00 PM, Waterside

Presentation Title: The Role of Prior Experiences in
Teaching Candidates' Self-perception of Their
Mathematics Efficacy
Research Mentor: Julie Cohen
Research Institution: University of Virginia
Home Institution: Whittier College
Co-Authors: Julie Cohen and Peter Youngs, University
of Virginia
SS

Lisset Duran..... 4:00 PM, Elm I

Presentation Title: Effect of Natriuretic Peptide
Receptor A (NPR-A) Overexpression by Lentivirus
Transduction on Atrial Natriuretic Peptide (ANP)
Endothelium Barrier Protection
Research Mentor: Elizabeth Harrington
Research Institution: Brown University
Home Institution: John Jay College of Criminal
Justice CUNY
Co-Authors: Elizabeth Harrington, James Klinger and
Huetran Duong, Brown University
BB

Tianna Edwards..... 2:45 PM, Elm I

Presentation Title: Evaluating the Effects of Nanogel
Elasticity on Valvular Interstitial Cell Phenotype
Research Mentor: Robin Dowell
Research Institution: University of Colorado Boulder
Home Institution: UMass Dartmouth
Co-Authors: Brian Aguado and Kristi Anseth,
University of Colorado Boulder
AB

Shaun Egolf.....3:45 PM, Glen II

Presentation Title: Epigenetic Regulation of Yap1 in
Soft Tissue Sarcoma
Research Mentor: T.S. Karin Eisinger
Research Institution: University of Pennsylvania
Home Institution: Messiah College
Co-Authors: T.S. Karin Eisinger, University
of Pennsylvania
BB

Chiamaka Ekwunazu.....12:00 PM, Alder

Presentation Title: Targeting APP Translation for
Alzheimer's Disease Prevention and Therapy
Research Mentor: Martin Sadowski
Research Institution: New York University
Sackler Institute
Home Institution: University of Maryland,
Baltimore County
Co-Authors: Cassidy Reich, Joanna Pankiewicz and
Martin Sadowski, New York University
AB

Eric Ellison..... 3:45 PM, Long Ridge

Presentation Title: The Social Dynamics and
Requisites of Linguistic Flirtation
Research Mentor: Sharika Thiranagama
Research Institution: Stanford University
Home Institution: Washington University in St. Louis
Co-Authors: Sharika Thiranagama and Eda Pepi,
Stanford University
SS

Jordan Elum.....5:00 PM, Elm II

Presentation Title: A2E-Mediated RPE Dysfunction
Can Be Prevented with Inhibitors of ER Stress
Research Mentor: Marcelo Nociari
Research Institution: Weill Cornell Graduate School
Home Institution: Johns Hopkins University
Co-Authors: Marcelo Nociari and Enrique
Rodriguez-Boulan, Weill Cornell Graduate School
BB

Edmundo Esparza.....5:00 PM, Glen II

Presentation Title: Pooled CRISPR Screening to
Understand Wnt Signaling
Research Mentor: Malini Varadarajan
Research Institution: Novartis Institutes for
BioMedical Research
Home Institution: University of Texas at El Paso
Co-Authors: Malini Varadarajan, Feng Cong and
Greg Hoffman, Novartis Institutes for
BioMedical Research
BB

Jairo Espinosa.....2:45 PM, Aspen I

Presentation Title: Role of L-type Ca²⁺ Channels in Stress-Induced Reinstatement of Cocaine
 Research Mentor: Anjali Rajadhyaksha
 Research Institution: Weill Cornell Graduate School
 Home Institution: Cornell University
 Co-Authors: Charlotte Chloe Bavley and Anjali Rajadhyaksha, Weill Cornell Graduate School
 BB

Hannah Fay.....4:45 PM, Alder

Presentation Title: Examining the Role of MMSET and Other Mutations in the Resistance to Chemotherapy Drugs in Pediatric Acute Lymphoblastic Leukemia
 Research Mentor: William Carroll
 Research Institution: New York University Sackler Institute
 Home Institution: University of Montana
 Co-Authors: Nikki Evensen, Jason Saliba and William Carroll, New York University
 AB

Erin Ferguson.....3:15 PM, Waterside

Presentation Title: Investigating the Marketing Practices of Medical and Recreational Marijuana Dispensary Websites
 Research Mentor: Patricia Cavazos-Rehg
 Research Institution: Washington University in St. Louis
 Home Institution: Spelman College
 Co-Authors: Patricia Cavazos-Rehg, Melissa Krauss and Kiriam Escobar Lee, Washington University in St. Louis
 SS

Karen Fernandez.....2:45 PM, Waterside

Presentation Title: Zip Code Disparities in Standards of Care: Examining Safety and Health Violations in North Carolina Childcare Centers
 Research Mentor: Vivian Wong
 Research Institution: University of Virginia
 Home Institution: Mount Holyoke College
 Co-Authors: Justin Brian Doromal, Daphna Bassok and Vivian Wong, University of Virginia
 SS

José Figueroa Carlé..... 12:30 PM, Cove II

Presentation Title: Spiritual Hybridity and Racial Futurity in Rita Indiana's La Mucama de Omicunlé
 Research Mentor: Ana Paulina Lee
 Research Institution: Columbia University
 Home Institution: UPR-Rio Piedras
 Co-Authors: Ana Paulina Lee, Columbia University
 HU

Kelvin Figueroa-Ibrahim..... 5:15 PM, Glen I

Presentation Title: High-Throughput 3D Paper Microfluidic Platform for In Vitro Cancer Immunology Research
 Research Mentor: Melody Swartz
 Research Institution: University of Chicago
 Home Institution: UPR-Mayaguez
 Co-Authors: Melody Swartz and Ruolan Zhou, University of Chicago
 AB

J. Gabriel Fraley..... 5:15 PM, Springdale I

Presentation Title: Optimizing the Directed Differentiation of V2a Interneurons from Mouse Embryonic Stem Cells
 Research Mentor: Hynek Wichterle
 Research Institution: Columbia University
 Home Institution: San Francisco State University
 Co-Authors: Hyneck Wichterle, Columbia University
 BB

Fran Franceschini Lopez..... 5:30 PM, Belltown

Presentation Title: The Role of the PAR Polarity Complex in Response to Osmotic Stress in the *C. elegans* Excretory System
 Research Mentor: Jeremy Nance
 Research Institution: New York University Sackler Institute
 Home Institution: UPR-Ponce
 Co-Authors: Joshua Abrams and Jeremy Nance, New York University
 BB

Hannah Freeman..... 12:15 PM, Glen I

Presentation Title: Developing Blue Boron Nanoparticles for Long-term Cell Tracking in Live Cell Imaging Experiments
 Research Mentor: Rebecca Pompano
 Research Institution: University of Virginia
 Home Institution: Dillard University
 Co-Authors: Rebecca Pompano, University of Virginia
 BB

Carolina Fuentes.....11:15 AM, Elm I

Presentation Title: Determining the Koff of Polycomb Repressive Complex 2 Interactions with RNA and Histones
 Research Mentor: Thomas Cech
 Research Institution: University of Colorado Boulder
 Home Institution: UCLA
 Co-Authors: Xueyin Wang and Thomas Cech, University of Colorado Boulder
 BB

Samantha Furman..... 12:00 PM, Long Ridge

Presentation Title: A Machine Learning Approach
to Lymphocyte Detection and Quantification in
Tumor Histology

Research Mentor: Thomas Fuchs

Research Institution: Weill Cornell Graduate School

Home Institution: University of Maryland,
Baltimore County

Co-Authors: Thomas Fuchs, Weill Cornell
Graduate School

PS

Alijah Futterman.....3:45 PM, Cove I

Presentation Title: Does Practice Meet Principle?
How Training and Perception Influence the
Implementation of Restorative Justice

Research Mentor: Carla Shedd

Research Institution: Columbia University

Home Institution: Stanford University

Co-Authors: Carla Shedd, Columbia University

SS

Paula Gaither.....11:45 AM, Cove II

Presentation Title: Phillis Wheatley and America:
Forging Identity and Fighting Tyrants

Research Mentor: Jeri DeBrohun

Research Institution: Brown University

Home Institution: Columbia University

Co-Authors: Jeri DeBrohun, Brown University

HU

Kelsey Gallant.....12:00 PM, Aspen I

Presentation Title: Mechanisms of Resistance in
Akt Signaling in Breast Cancer

Research Mentor: Emily Cohen

Research Institution: Harvard University, Division
of Medical Sciences

Home Institution: Spelman College

Co-Authors: Emily Cohen, Beth Israel Deaconess
Medical Center; Alex Toker, Beth Israel Deaconess
Medical Center and Harvard Medical School

AB

Geyon Garcia..... 12:15 PM, Glen III

Presentation Title: Investigating the Immune Response
to Influenza Virus Infection in Mice Previously
Infected with an Unrelated Respiratory Virus

Research Mentor: Carolina Lopez

Research Institution: University of Pennsylvania

Home Institution: Temple University

Co-Authors: Carolina Lopez and Alex Valenzuela,
University of Pennsylvania

BB

Rolando Garcia..... 3:15 PM, Glenbrook

Presentation Title: Automatic Design of Deep
Learning Architectures

Research Mentor: Jason Moore

Research Institution: University of Pennsylvania

Home Institution: Arizona State University

Co-Authors: Jason Moore and Randal Olson,
University of Pennsylvania

PS

Derek García..... 12:00 PM, High Ridge

Presentation Title: Diversity-Oriented Synthesis of a
Benzannulated Spiroketal Library

Research Mentor: Derek S. Tan

Research Institution: Weill Cornell Graduate School

Home Institution: UPR-Rio Piedras

Co-Authors: Derek S. Tan and Christina Rotsides,
Weill Cornell Medical College

PS

Antonio Garcia IV.....11:30 AM, Long Ridge

Presentation Title: Polymerization of Methylene Lactide
Monomers Using Energy Efficient Organocatalyzed
Atom Transfer Radical Polymerization

Research Mentor: Garret Miyake

Research Institution: University of Colorado Boulder

Home Institution: CSU Los Angeles

Co-Authors: Garret M. Miyake and Bonnie Leigh
Ramsey, University of Colorado Boulder

PS

Rolando Garza.....11:45 AM, Aspen II

Presentation Title: Chronic Type 1 Interferon Exposure
Reduces HO-1 Protein Expression in Human
Monocyte Derived Macrophages

Research Mentor: Dennis Kolson

Research Institution: University of Pennsylvania

Home Institution: University of Texas at San Antonio

Co-Authors: Dennis L. Kolson, Fiorella P. Rossi and
Alexander J. Gill, University of Pennsylvania

AB

Hana Gebremariam..... 11:45 AM, Springdale II

Presentation Title: Harvesting Community: Black
Women Combating Health Inequalities Through
the Carrie McCracken TRUCE Community Garden

Research Mentor: Shamus Khan

Research Institution: Columbia University

Home Institution: Middlebury College

Co-Authors: Shamus Khan, Columbia University

SS

Grace Genszler.....11:45 AM, Long Ridge

Presentation Title: Exploration of the Relationship Between Macroscopic Superconductivity of Iron (II) Selenide Grown on Strontium Titanium Oxide and the Mis-Cut Angle of Strontium Titanium Oxide Substrates

Research Mentor: Charles Ahn

Research Institution: Yale University

Home Institution: Wheaton College

Co-Authors: Charles Ahn and Rui Peng, Yale University

EN

Elaine Gersz..... 4:00 PM, Glen III

Presentation Title: Expression and Localization of Renalase in Immune Cells: Implications for its Role in Type One Diabetes

Research Mentor: Suna Onengut-Gumuscu

Research Institution: University of Virginia School of Medicine

Home Institution: Muhlenberg College

Co-Authors: Suna Onengut-Gumuscu, Rebecca Pickin and Stephen Rich, University of Virginia

BB

James Gesualdi.....5:45 PM, Glen II

Presentation Title: Yeast Based Assays of Sphingosine Kinase Activity

Research Mentor: Kevin Lynch

Research Institution: University of Virginia School of Medicine

Home Institution: Rowan University

Co-Authors: Kevin Lynch, University of Virginia

BB

Matthew Gibson..... 11:30 AM, Waterside

Presentation Title: Lawrence of Arabia: An Unexpected Hero and His Contribution to Counterinsurgency Tactics

Research Mentor: Erik Linstrum

Research Institution: University of Virginia

Home Institution: Xavier University

Co-Authors: Erik Linstrum, University of Virginia

HU

Karen Gomez.....5:45 PM, Alder

Presentation Title: Identifying Signaling Pathways Involved in Resistant T-Cell Acute Lymphoblastic Leukemia

Research Mentor: Thomas Diacovo

Research Institution: Columbia University

Home Institution: Temple University

Co-Authors: Thomas Diacovo, Columbia University

BB

Malik Gomez.....3:15 PM, Aspen I

Presentation Title: The Role of Astrotactin 2 in Synaptic Strength and Transmission

Research Mentor: Hourinaz Behetsi

Research Institution: Weill Cornell Medical College

Home Institution: Middlebury College

Co-Authors: Hourinaz Behetsi and Mary Beth Hatten, Weill Cornell Medical College

BB

Diana Gonzalez.....4:00 PM, Elm II

Presentation Title: Using Laser Capture Microdissection to Isolate Lung Tumors Induced by Somatic Gene Editing

Research Mentor: Cynthia Loomis

Research Institution: New York University

Sackler Institute

Home Institution: Florida International University

Co-Authors: Cynthia Loomis, Volkan Sayin and Thales Papagiannakopoulos, New York University

BB

Lavinia Gonzalez..... 12:30 PM, Glen III

Presentation Title: Designing Cells Permissive to Viral Infections by Knockout of Innate Immune Response Factors Using CRISPR/Cas9

Research Mentor: Paul Bates

Research Institution: University of Pennsylvania

Home Institution: UPR-Rio Piedras

Co-Authors: Paul Bates and Stephen Bart, University of Pennsylvania

BB

Jose Gorbea 3:45 PM, High Ridge

Presentation Title: Simulations of Proteins in Reverse Micelles

Research Mentor: Kim Sharp

Research Institution: University of Pennsylvania

Home Institution: UPR-Rio Piedras

Co-Authors: Kim A. Sharp, University of Pennsylvania

PS

Chyna Gray.....11:15 AM, Aspen II

Presentation Title: The Role of Invariant Natural Killer T-cells in Murine Neonatal Sepsis

Research Mentor: Alfred Ayala

Research Institution: Brown University

Home Institution: University of San Diego

Co-Authors: Alfred Ayala and Eleanor Fallon, Brown University

AB

Hamilton Green.....3:45 PM, Alder

Presentation Title: Determining the Role of YehUTS and YpdABC in Pyruvate Sensing During Uropathogenic Escherichia Coli Infections
 Research Mentor: Maria Hadjifrangiskou
 Research Institution: Vanderbilt University
 Home Institution: Dillard University
 Co-Authors: Allison Eberly, John Brannon and Carlson Keller, Vanderbilt University
 AB

Tierney Grisolano..... 3:00 PM, Glen III

Presentation Title: Control of Obesity by Unconventional T cells
 Research Mentor: Abdel Hamad
 Research Institution: Johns Hopkins University
 Home Institution: Drake University
 Co-Authors: Abdel Hamad, Anil Jaiswal and Mohanraj Sadasivam, Johns Hopkins University
 BB

Oscar Gutierrez..... 2:45 PM, Belltown

Presentation Title: Settlements of Renewal: Urban Agri(culture) and the Promise of Belonging
 Research Mentor: Keisha-Khan Perry
 Research Institution: Brown University
 Home Institution: San Francisco State University
 Co-Authors: Keisha-Khan Perry, Brown University
 HU

Terrick Gutierrez..... 3:15 PM, Belltown

Presentation Title: Empowered in the Face of Poverty: A Mixed-Methodological Analysis of Leadership Among the Shack Dwellers Federation of Namibia
 Research Mentor: Sandra Barnes
 Research Institution: Vanderbilt University
 Home Institution: Morehouse College
 Co-Authors: Sandra Barnes, Vanderbilt University
 SS

Clarissa Guzman-Roman..... 5:15 PM, Glen III

Presentation Title: Susceptibility of a Drosophila melanogaster Fragile X model to Insulin Resistance
 Research Mentor: Thomas Jongens
 Research Institution: University of Pennsylvania
 Home Institution: UPR-Mayaguez
 Co-Authors: Thomas Jongens and Ellie Weisz, University of Pennsylvania; Nikolria Grant, Neumann University
 BB

Hala Haddad..... 11:45 AM, Elm II

Presentation Title: Morphological and Functional Studies of Synaptic Transmission in Drosophila Models of Familial Human Amyotrophic Lateral Sclerosis
 Research Mentor: Kristi Wharton
 Research Institution: Brown University
 Home Institution: Hunter College
 Co-Authors: Aaron Held, Diane Lipscombe and Kristi Wharton, Brown University
 BB

Mikayla Hanna..... 4:45 PM, Elm I

Presentation Title: Collagen Fibers and Disseminated Cancer
 Research Mentor: Zaver Bhujwalla
 Research Institution: Johns Hopkins University
 Home Institution: University of Maryland, Baltimore County
 Co-Authors: Samata Kakkad, Balaji Krishnamachary and Zaver Bhujwalla, Johns Hopkins University
 AB

Caroline Haoud..... 11:30 AM, Alder

Presentation Title: Distribution of Amyloid-Beta and Its Impact on Cellular Activity Across Disparate Brain Regions in Amyloid Precursor Protein Mutant Knock-In Mice
 Research Mentor: Makoto Ishii
 Research Institution: Weill Cornell Medical College
 Home Institution: Columbia University
 Co-Authors: Makoto Ishii, Weill Cornell Medical College
 AB

Talia Hart.....4:45 PM, Elm II

Presentation Title: The Role of SENP8 in Regulating NEDD8-Conjugated Substrates in Human Cells
 Research Mentor: Tony Huang
 Research Institution: New York University Sackler Institute
 Home Institution: San Francisco State University
 Co-Authors: Kate Coleman, Miklos Bekes and Tony T. Huang, New York University
 BB

Waverley He..... 3:15 PM, Aspen II

Presentation Title: Interactions Between Microglia and Stem Cells in the Adult Brain: Implications in Brain Repair

Research Mentor: James Salzer

Research Institution: New York University Sackler Institute

Home Institution: Harvard University

Co-Authors: James Salzer and Dave Marzan, New York University

BB

Daniel Henthorn..... 5:45 PM, Elm I

Presentation Title: Analysis of Stress Granules with a Mutation in the ATPase Domain of Ded1

Research Mentor: Roy Parker

Research Institution: University of Colorado Boulder

Home Institution: Oklahoma State University

Co-Authors: Roy Parker and Briana Van Treeck, University of Colorado Boulder

BB

Juliette Hernandez Carrasco.....5:30 PM, Aspen I

Presentation Title: Ethnic Differences in Parents' Interactions with their Alcohol Using Adolescents

Research Mentor: Lynn Hernandez

Research Institution: Brown University

Home Institution: UPR-Ponce

Co-Authors: Judelysse Gomez and Lynn Hernandez, Brown University

AB

Jocelyn Hernandez-Vega 3:00 PM, Long Ridge

Presentation Title: Functional Characterization of Diacylglycerol Kinase Epsilon

Research Mentor: Ken Hsu

Research Institution: University of Virginia

Home Institution: Johnson C. Smith University

Co-Authors: Ku-Lung Hsu and Caroline Frank, University of Virginia

PS

Sierra Herndon..... 4:45 PM, Aspen II

Presentation Title: Characterization of Base Pairing in the U12-U6atac snRNA Complex of Arabidopsis

Research Mentor: Nancy Greenbaum

Research Institution: Hunter College

Home Institution: Missouri University of Science & Technology

Co-Authors: Larisa Shagabayeva, Joanna Ciavarella and Nancy Greenbaum, Hunter College

BB

Jose Herrera..... 3:45 PM, Belltown

Presentation Title: The Perceivable Implementation of Redistribution Policies Through an Analysis of Public Opinion on the Matter of Welfare and Work

Research Mentor: Robert Shapiro

Research Institution: Columbia University

Home Institution: Bates College

Co-Authors: Robert Shapiro, Columbia University

PE

Darryl Hill.....12:15 PM, Aspen I

Presentation Title: Genetic Etiology of Familial Prostate Cancer Among African Americans

Research Mentor: Jeffrey Smith

Research Institution: Vanderbilt University

Home Institution: Morehouse College

Co-Authors: Jeffrey R. Smith and Joan Breyer, Vanderbilt University

AB

Micah Holness.....3:00 PM, Springdale II

Presentation Title: The Impact of Distractor Saliency on Changes of Mind

Research Mentor: Joo-Hyun Song

Research Institution: Brown University

Home Institution: Xavier University of Louisiana

Co-Authors: Dan McCarthy and Joo-Hyun Song, Brown University

SS

Claudaya Hood Bey..... 3:45 PM, Springdale I

Presentation Title: Genetic Risk for PTSD is Associated with Amygdala Function

Research Mentor: Ryan Bogdan

Research Institution: Washington University in St. Louis

Home Institution: Mount St. Mary's College

Co-Authors: Christina Di Iorio, and Ryan Bogdan, Washington University in St. Louis

SS

Jessica-Sophie Horoschak..... 5:00 PM, Glen III

Presentation Title: The Role of Immune Cells in Diabetic Retinopathy

Research Mentor: Yanli Song

Research Institution: Novartis Institutes for BioMedical Research

Home Institution: UMass Amherst

Co-Authors: Yanli Song and Chandra Saravanan, Novartis Institutes for Biomedical Research

AB

Jade Howard.....12:15 PM, Elm II

Presentation Title: Identification of Dopamine Release Proteins in the Soma and Dendrites of the Substantia Nigra in Mice

Research Mentor: Margaret Rice

Research Institution: New York University

Sackler Institute

Home Institution: Florida State University

Co-Authors: Margaret Rice and Jennifer Arnold,
New York University

BB

Manuela Hoyos.....3:15 PM, Alder

Presentation Title: Genetic Determinants of Staphylococcus Aureus Colonization of the Murine Gastrointestinal Tract

Research Mentor: Bo Shopsin

Research Institution: New York University

Sackler Institute

Home Institution: New York City Technical College

Co-Authors: Bo Shopsin and Yi Fulmer,
New York University

BB

Joshua Hughes.....5:45 PM, Cove I

Presentation Title: Daycare Dangers: Comparing Severe Violations Between Centers and Family Child Care Homes

Research Mentor: Vivian Wong

Research Institution: University of Virginia School of Medicine

Home Institution: Claflin University

Co-Authors: Justin Doromal, Vivian Wong and
Daphna Bassok, University of Virginia

SS

Kamilya Hunter Hunter.....11:15 AM, Glen III

Presentation Title: Development of a Candidate Vaccine Against Group B Streptococcus Infection in Neonates

Research Mentor: Adam Ratner

Research Institution: New York University

Sackler Institute

Home Institution: Xavier University of Louisiana

Co-Authors: Thomas Hooven, Columbia University;
Adam Ratner, New York University

AB

David Hynek.....11:15 AM, Long Ridge

Presentation Title: Investigating Ni-Pd (111) as Substrate for Growth of Thin-Film SiO₂ Molecular Membranes

Research Mentor: Eric Altman

Research Institution: Yale University

Home Institution: Coe College

Co-Authors: Eric Altman and Gregory Hutchings,
Yale University

EN

Joy Ikekhua..... 12:00 PM, Belltown

Presentation Title: Authoritarianism vs. Democracy: Using Modernization Theory to Explain and Compare the Development of Political Regimes in Africa

Research Mentor: Robert Fatton

Research Institution: University of Virginia

Home Institution: Spelman College

Co-Authors: Robert Fatton, University of Virginia
HU

Justin Ingram.....4:45 PM, Aspen I

Presentation Title: The Role of RAGE in Liver and Muscle Tissue

Research Mentor: Ann Marie Schmidt

Research Institution: New York University

Sackler Institute

Home Institution: Michigan State University

Co-Authors: Carmen Hurtado del Pozo,
Andisheh Abedini and Ann Marie Schmidt,
New York University

AB

Luis Jaramillo..... 3:30 PM, Elm I

Presentation Title: Co-Receptor Interactions Between 12(S)-hydroxyeicosatetraenoic [12(S)-HETE] Receptor & Protease Activated Receptor [PAR] 4 in Platelet Activation

Research Mentor: Lidija Covic

Research Institution: Tufts University Graduate
BioMedical Sciences

Home Institution: Williams College

Co-Authors: Lidija Covic and Nga Nguyen,
Tufts University

BB

Victorio Jauregui.....4:45 PM, Waterside

Presentation Title: Characterizing the Thermal Stability and the Inter-Domain Cooperativity of a Stress Granule Protein
Research Mentor: Tobin Sonick
Research Institution: University of Chicago
Home Institution: UPR-Rio Piedras
Co-Authors: Joshua Riback, Michael Baxa and Tobin Sonick, University of Chicago
BB

Ambar Jimenez.....5:15 PM, Aspen I

Presentation Title: Cytotoxicity Assessment of Bulk Manganese and MnO₂ Nanomaterials In Vitro Using Liver Cells (PLHC-1)
Research Mentor: Agnes Kane
Research Institution: Brown University
Home Institution: SUNY Plattsburgh
Co-Authors: Agnes Kane, Robert Hurt, April Rodd, Charles Vaslet and Evan Gray, Brown University
BB

Sara Johnson..... 3:00 PM, Belltown

Presentation Title: What is the Consumer's Responsibility?: A Study of Urban Water Policy and the Role of Community Stakeholders
Research Mentor: Regina Baker
Research Institution: University of Pennsylvania Arts & Sciences
Home Institution: Dickinson College
Co-Authors: Regina Baker, University of Pennsylvania
SS

Chey Jones..... 3:45 PM, Glenbrook

Presentation Title: Computational Analysis of the Photoisomerization Process in the Dronpa-2 Reversible Photoswitchable Fluorescent Protein
Research Mentor: Todd Martinez
Research Institution: Stanford University
Home Institution: Temple University
Co-Authors: Todd Martinez, James Snyder Jr. and Robert Parrish, Stanford University
PS

Winifred Jones.....11:30 AM, Cove II

Presentation Title: Every Negro Walk In A Circle: Nonlinear Temporality in Beloved, Kindred, and The Book of Night Women
Research Mentor: Michael Ralph
Research Institution: New York University
Home Institution: Dartmouth College
Co-Authors: Michael Ralph, New York University
HU

Alcida Karz..... 5:45 PM, Glen I

Presentation Title: Role and Regulation of the Circular RNA CDR1as in Melanoma Progression
Research Mentor: Douglas Hanniford
Research Institution: New York University Sackler Institute
Home Institution: Duke University
Co-Authors: Douglas Hanniford and Eva Hernando-Monge, New York University
AB

Corinne Kasper..... 11:15 AM, Cove I

Presentation Title: Potawatomi Language Pedagogy: Resistance to Post-Colonial Impacts
Research Mentor: Amy Dahlstrom
Research Institution: University of Chicago
Home Institution: Dartmouth College
Co-Authors: Amy Dahlstrom, Lenore Grenoble and Dorothea Hoffmann, University of Chicago
HU

Rachel Katz.....11:45 AM, Glen I

Presentation Title: Engineering Biomimetic Vascular Models for Transplantation and In Vitro Drug Screening
Research Mentor: Brisa Palikuqi
Research Institution: Weill Cornell Graduate School
Home Institution: Massachusetts Institute of Technology
Co-Authors: Brisa Palikuqi and Shahin Rafii, Weill Cornell Graduate School
AB

Joshua Kelly..... 5:15 PM, Elm I

Presentation Title: Deciphering the Role of Calcium in the Mechanism of Integrin $\alpha 1 \beta 1$ and $\alpha 2 \beta 1$ I-domain Ligand Binding
Research Mentor: Kyle Brown
Research Institution: Vanderbilt University
Home Institution: Barry University
Co-Authors: Billy Hudson and Kyle Brown, Vanderbilt University
BB

Skyler Kern..... 12:15 PM, Long Ridge

Presentation Title: A Comparative Study of HydroTurbSim and Large-Eddy Simulations in a Tidal Flow Channel
Research Mentor: Peter Hamlington
Research Institution: University of Colorado Boulder
Home Institution: University of Alaska Anchorage
Co-Authors: Peter Hamlington, University of Colorado Boulder
EN

Emma Keteku.....3:45 PM, Aspen I

Presentation Title: Neuron Sub-types that Express
Perineuronal Nets
Research Mentor: Natalia De Marco Garcia
Research Institution: Weill Cornell Medical College
Home Institution: Harvard University
Co-Authors: Natalia De Marco Garcia and Philip Chu,
Weill Cornell Medical College
BB

Rebeca King..... 3:45 PM, Glen I

Presentation Title: Exploring Cancer Mutations in
Protein Lysine Methyltransferases G9a, SET7/9,
and SETD2
Research Mentor: Minkui Luo
Research Institution: Weill Cornell Medical College
Home Institution: Rice University
Co-Authors: Minkui Luo, Weill Cornell
Medical College
BB

Sean Knepper..... 2:45 PM, Long Ridge

Presentation Title: Investigating Temperature Variation
in Virginia's Coastal Bays
Research Mentor: Karen McGlathery
Research Institution: University of Virginia
Home Institution: Piedmont Virginia Community College
Co-Authors: Karen McGlathery and Patricia Wiberg,
University of Virginia
ES

Zachary Laborde..... 3:30 PM, Springdale I

Presentation Title: Learning to Lose Focus:
Relationships Between Reward-Learning,
Multitasking, and Distractibility
Research Mentor: Todd Heatherton
Research Institution: Dartmouth College
Home Institution: Xavier University of Louisiana
Co-Authors: Todd Heatherton and Richard Lopez,
Dartmouth College
SS

Amara Lawson-Chavanu..... 11:30 AM, Springdale II

Presentation Title: Georgia Peach: Rasheeda, Affective
Pleasure, and Southern Respectability
Research Mentor: Jennifer Morgan
Research Institution: New York University
Home Institution: UCLA
Co-Authors: Jennifer L. Morgan, New York University
HU

Quynh Le..... 3:15 PM, Glen I

Presentation Title: Study the Impact of PKM2
Knockout on Hexosamine Biosynthesis Pathway
in Non-Small Cell Lung Cancer (NSCLC) Cells
Research Mentor: Phuoc Tran
Research Institution: Johns Hopkins University
Home Institution: University of Maryland,
Baltimore County
Co-Authors: Hailun Wang, Johns Hopkins University
BB

Jonathan Lee Rodriguez.....5:30 PM, Glen II

Presentation Title: Analyzing PP2A Mediated
Regulation of Ethylene Synthesis: a CRISPR
Approach
Research Mentor: Alison DeLong
Research Institution: Brown University
Home Institution: UPR-Aguadilla
Co-Authors: Chih Ching Wu and Alison DeLong,
Brown University
BB

Clare Leonard.....3:45 PM, Westover

Presentation Title: Determining the Position of
Exoplanets in SAO 206462
Research Mentor: Bruce McIntosh
Research Institution: Stanford University
Home Institution: Amherst College
Co-Authors: Katherine Follette and Bruce McIntosh,
Stanford University
PS

Justine Lewis..... 11:30 AM, Aspen I

Presentation Title: Targeting STAT3 to Inhibit
Cancer Cell Growth by Genetic and
Pharmacologic Methods
Research Mentor: David Levy
Research Institution: New York University
Sackler Institute
Home Institution: Howard University
Co-Authors: Lara Brambilla and David Levy,
New York University
AB

Desiree Lloyd..... 3:30 PM, Belltown

Presentation Title: Health Care in Gauteng South
Africa: Understanding Access in the Context
of Race and Migration
Research Mentor: Michael White
Research Institution: Brown University
Home Institution: DePaul University
Co-Authors: Michael White, Brown University
SS

Amber Lopez..... 11:45 AM, Cove I

Presentation Title: The Mohican/Mohegan
Grammatical Differentiation
Research Mentor: Claire Bower
Research Institution: Yale University
Home Institution: University of New Mexico
Co-Authors: Claire Bower, Yale University
SS

Nicolas Lopez..... 4:00 PM, Belltown

Presentation Title: India's Largest Public Work Program:
Income, Health, and Labor Under MGNREGS
Research Mentor: Andrew Foster
Research Institution: Brown University
Home Institution: University of Central Florida
Co-Authors: Andrew Foster, Brown University
SS

Luis Lopez-Rotger.....5:15 PM, Springdale II

Presentation Title: Annonacin and its Neurotoxic
Effects Relevant to Alzheimer's Disease
Research Mentor: Maria Figueiredo-Pereira
Research Institution: Hunter College
Home Institution: UPR-Cayey
Co-Authors: Teneka Jean-Louis, Patricia Gonzalez,
David Mootoo and Maria E Figueiredo Pereira,
Hunter College
BB

Adia Loudon.....4:45 PM, Springdale II

Presentation Title: Characterizing Novel PSEN1 and
PSEN2 Mutations
Research Mentor: Celeste Karch
Research Institution: Washington University in St. Louis
Home Institution: Claflin University
Co-Authors: Celeste Karch and Simon Hsu, Washington
University in St. Louis
BB

Guadalupe Madrigal.....11:30 AM, Springdale I

Presentation Title: Bordering Butterflies: The Opposing
Narratives of Newspaper Coverage During the
Mexican Repatriation
Research Mentor: Charlton McIlwain
Research Institution: New York University
Home Institution: UCLA
Co-Authors: Charlton McIlwain, New York University
HU

Natalie Marks.....5:15 PM, Cove I

Presentation Title: She's Not a Guy: Exploring Gender
and Perceived Social Support in Non-Parental
Youth-Adult Relationships
Research Mentor: Nancy Deutsch
Research Institution: University of Virginia
Home Institution: Syracuse University
Co-Authors: Haley E. Johnson, Mark Vincent B. Yu
and Nancy L. Deutsch, University of Virginia
SS

Ludy Martinez..... 3:45 PM, Glen III

Presentation Title: Identification of Genes Important
for Antigen Presentation and Lysosome Function
Research Mentor: Rowena Dejesus
Research Institution: Novartis Institutes for
BioMedical Research
Home Institution: Claflin University
Co-Authors: Rowena Dejesus and Greg Hoffman,
Novartis Institutes for BioMedical Research
BB

Alexandria Mason.....12:15 PM, Waterside

Presentation Title: The Rise of Black Lives Matter: Cable
News Coverage of the Grassroots Social Movement
Research Mentor: John L. Jackson
Research Institution: University of Pennsylvania
Arts & Sciences
Home Institution: University of Wisconsin Madison
Co-Authors: John L. Jackson, University of Pennsylvania
HU

Don McChesney..... 4:45 PM, Cove II

Presentation Title: The Altar Call as the Evangelical
Church's Theological Replacement for
Traditional Sacraments
Research Mentor: Chris Celenza
Research Institution: Johns Hopkins University
Arts and Sciences
Home Institution: Hillsdale College
Co-Authors: Chris Celenza, Johns Hopkins University
HU

James McField..... 5:45 PM, Springdale I

Presentation Title: The Effect of Exosomes on
Retina Regeneration
Research Mentor: James Patton
Research Institution: Vanderbilt University
Home Institution: Dillard University
Co-Authors: James Patton and Dominic Didiano,
Vanderbilt University
BB

Hope McGovern.....11:45 AM, Westover

Presentation Title: Harnessing Ferroelectricity of Barium Titanate to Manipulate Spin Polarization in Spintronic Devices

Research Mentor: Frederick Walker

Research Institution: Yale University

Home Institution: Cornell University

Co-Authors: Frederick Walker and Yichen Jia, Yale University

EN

Uche Medoh.....5:30 PM, Elm II

Presentation Title: Capturing Truncated Wee1 Interactions with Cdr2 in Schizosaccharomyces pombe

Research Mentor: Corey Allard

Research Institution: Dartmouth College

Home Institution: Yale University

Co-Authors: Corey Allard and Jamie Moseley, Dartmouth College

BB

Dennis Melendez..... 11:45 AM, Alder

Presentation Title: Pupil Diameter as a Biomarker of Tauopathy-related Degeneration of the Locus coeruleus

Research Mentor: Joshua Gold

Research Institution: University of Pennsylvania

Home Institution: Hunter College

Co-Authors: Mohammad Kabir, David J. Irwin and Joshua I Gold, University of Pennsylvania

AB

Joyce Mendoza-Navarro..... 3:30 PM, Aspen II

Presentation Title: Neural Basis of Maternal Behavior

Research Mentor: Robert Froemke

Research Institution: New York University Sackler Institute

Home Institution: UPR-Rio Piedras

Co-Authors: Robert Froemke and Naomi López-Caraballo, New York University

BB

Alicia Minor.....11:15 AM, Glen I

Presentation Title: 3D Bioprinting a Biocompatible Scaffold to Promote Muscle Regeneration

Research Mentor: Shayn Peirce-Cottler

Research Institution: University of Virginia

Home Institution: University of Virginia

Co-Authors: Shayn Peirce-Cottler, University of Virginia

AB

Gian Molina Castro..... 11:30 AM, Elm II

Presentation Title: Systemic Administration of a GLP-1 Receptor Agonist Attenuates Cocaine Seeking in Rats

Research Mentor: Heath Schmidt

Research Institution: University of Pennsylvania

Home Institution: UPR-Rio Piedras

Co-Authors: Nicole Hernández and Heath Schmidt, University of Pennsylvania

AB

Salvador Montes..... 2:45 PM, Glenbrook

Presentation Title: Measuring Dynamic Instability of Microtubules

Research Mentor: Meredith Betterton

Research Institution: University of Colorado Boulder

Home Institution: CSU Stanislaus

Co-Authors: Meredith Betterton and Zachery Gargeley, University of Colorado Boulder

PS

Brianna Morris..... 11:15 AM, Aspen I

Presentation Title: Targeting Gli2 in Tumor-Induced Bone Disease

Research Mentor: Kristin Kwakwa

Research Institution: Vanderbilt University

Home Institution: Elizabeth City State University

Co-Authors: Kristin Kwakwa and Julie Sterling, Vanderbilt University

AB

Adetobi Moses..... 12:00 PM, Cove II

Presentation Title: Feminism & African Literature: A Look at Chimamanda Ngozi Adichie

Research Mentor: Olakunle George

Research Institution: Brown University

Home Institution: Princeton University

Co-Authors: Olakunle George, Brown University

HU

Emile Motta de Castro.....11:30 AM, Westover

Presentation Title: Solvothermally Synthesized WTe₂ Nanostructures for Electrocatalytic Hydrogen Evolution Reaction Application

Research Mentor: Judy Cha

Research Institution: Yale University

Home Institution: Columbia University

Co-Authors: Judy Cha and Yu Zhou, Yale University

EN

Salma Mumuni.....2:45 PM, Glen II

Presentation Title: The Role of the Serine Biosynthesis Pathway in EML4-ALK Driven Lung Cancer Cells
 Research Mentor: Thales Papagiannakopoulos
 Research Institution: New York University Sackler Institute
 Home Institution: Western Michigan University
 Co-Authors: Sarah LeBoeuf and Thales Papagiannakopoulos, New York University
 BB

Celeste Navas.....12:30 PM, Waterside

Presentation Title: From Paper to Digital: Understanding Archival Theory and Feminist Narratology of Latinas and/or Spanish Speaking Women in the Collective Biographies of Women Database
 Research Mentor: Alison Booth
 Research Institution: University of Virginia
 Home Institution: UC Riverside
 Co-Authors: Alison Booth, University of Virginia
 HU

Sakila Nazia..... 11:45 AM, Glen II

Presentation Title: Effect of Prophylactic Antifungal Treatments on the Gastrointestinal Mycobiota Composition in Mice
 Research Mentor: Tobias Hohl
 Research Institution: Weill Cornell Medical College
 Home Institution: Columbia University
 Co-Authors: Tobias Hohl, Weill Cornell Medical College
 AB

Joan Ndungu.....5:00 PM, Aspen I

Presentation Title: Role of Nicotinamide Riboside (NR) on Liver Regeneration
 Research Mentor: Joseph Baur
 Research Institution: University of Pennsylvania
 Home Institution: Kennesaw State University
 Co-Authors: Sarmistha Mukherjee and Joseph Baur, University of Pennsylvania
 AB

Janie Neal.....3:15 PM, Westover

Presentation Title: Properties of Polynomials in Finite Fields
 Research Mentor: Benson Farb
 Research Institution: University of Chicago
 Home Institution: Pomona College
 Co-Authors: Benson Farb, Cole Randolph and Jason Valle, University of Chicago
 PS

Sophie Nguyen.....4:00 PM, Glen II

Presentation Title: Spondylometaphyseal Dysplasia-Cone Rod Dystrophy, a Mendelian Disorder of the Skeleton, and the Retina: Characterization of Causative PCYT1A Mutations on Protein Expression
 Research Mentor: David Valle
 Research Institution: Johns Hopkins University
 Home Institution: University of Texas at Austin
 Co-Authors: Julie Jurgens, Arianna Franca and David Valle, Johns Hopkins University
 BB

Tung Nguyen.....11:45 AM, Elm I

Presentation Title: Epigenetic Regulators of T cell Identity
 Research Mentor: Charles Ng
 Research Institution: New York University Sackler Institute
 Home Institution: Brown University
 Co-Authors: Charles Ng, June-Yong Lee and Dan Littman, New York University
 BB

Rachael Nilson.....11:30 AM, Aspen II

Presentation Title: Statins Increase Rac1-dependent IL-1B Expression Through Inhibition of Rac1 Isoprenylation
 Research Mentor: Alan Morrison
 Research Institution: Brown University
 Home Institution: Roger Williams University
 Co-Authors: Alan Morrison and Abigail Healy, Brown University
 AB

Oghale Obaro-Best..... 12:30 PM, Glen I

Presentation Title: In Vivo Time Course Analysis of Manganese Uptake in DMT1 Reporter Mice Using Magnetic Resonance Imaging
 Research Mentor: Daniel Turnbull
 Research Institution: New York University Sackler Institute
 Home Institution: SUNY Plattsburgh
 Co-Authors: Daniel Turnbull and Holly Holmes, New York University
 BB

Jessica Obie..... 2:45 PM, Springdale I
 Presentation Title: Prediction Error Influences Learning and Memory in Children
 Research Mentor: Lauren Emberson
 Research Institution: Princeton University
 Home Institution: SUNY Binghamton
 Co-Authors: Tracy Reuter and Lauren Emberson, Princeton University
 SS

Jada Oglesby.....3:00 PM, Cove I
 Presentation Title: Living in Black and White: Trends and Approval of Black/White Interracial Marriage in the Post-Loving Era
 Research Mentor: Hollis Robbins
 Research Institution: Johns Hopkins University Arts and Sciences
 Home Institution: University of Maryland, Baltimore County
 Co-Authors: Hollis Robbins, Johns Hopkins University
 SS

Grace Ogungbile..... 4:45 PM, Belltown
 Presentation Title: The Effect of Mitochondrial ROS on Endothelial Cells
 Research Mentor: Ruhul Abid
 Research Institution: Brown University
 Home Institution: Rider University
 Co-Authors: Ruhul Abid, Bonnie Colantuono and Zeeshan Khawaja, Brown University
 AB

Jeffrey Okewunmi..... 5:30 PM, Aspen II
 Presentation Title: Introducing an RBMX Gene Mutation Via CRISPR/Cas9 and Visualizing the Effect on hnRNP G Localization
 Research Mentor: Tao Pan
 Research Institution: University of Chicago
 Home Institution: Brown University
 Co-Authors: Tao Pan and Katherine Zhou, University of Chicago
 BB

Uwagbale Okojie.....3:00 PM, Elm II
 Presentation Title: The Role of a Newly Synthesized Compound on Potential Target Proteins in Asthma Airway Smooth Muscle
 Research Mentor: Julian Solway
 Research Institution: University of Chicago
 Home Institution: Morehouse College
 Co-Authors: Julian Solway, Bohao Chen and Rhea Bhojwani, University of Chicago
 BB

Ana Oliveira-Beuses.....12:15 PM, Cove I
 Presentation Title: Who is Max? The Developmental Trajectory of Cross-Cultural Differences in the Semantics of Proper Names
 Research Mentor: Jesse Snedeker
 Research Institution: Harvard University
 Home Institution: University of Florida
 Co-Authors: Jesse Snedeker, Jincai Li and Elizabeth Chalmers, Harvard University
 SS

Oge Onuh..... 11:30 AM, Glen II
 Presentation Title: The Culturing, Isolation, and Sequencing of Propionibacterium Acnes in the Human Skin Microbiome
 Research Mentor: Martin Blaser
 Research Institution: New York University Sackler Institute
 Home Institution: Mercer University
 Co-Authors: Martin Blaser, Guillermo Perez-Perez and Maria Gloria Dominguez, New York University
 AB

Alex Orta Galarza..... 5:15 PM, Cove II
 Presentation Title: The Approach of Contemporary Artworks: The Effect of Murals in Our Environment
 Research Mentor: Gwendolyn Shaw
 Research Institution: University of Pennsylvania Arts & Sciences
 Home Institution: UPR-Rio Piedras
 Co-Authors: Gwendolyn D. Shaw, University of Pennsylvania
 HU

Jovan Ortiz Bernhardt..... 11:15 AM, Elm II
 Presentation Title: Temporal Fitting of BOLD fMRI Responses to Chromatic and Achromatic Stimuli
 Research Mentor: Geoffrey Aguirre
 Research Institution: University of Pennsylvania
 Home Institution: UPR-Rio Piedras
 Co-Authors: Ben Chin and Geoffrey Aguirre, University of Pennsylvania
 AB

Julian Paige.....12:15 PM, Westover

Presentation Title: Determining the Concentration Independence Threshold of the Sorption of Organic Compounds by Biochar and Granular Activated Carbon (GAC)
 Research Mentor: Scott Summers
 Research Institution: University of Colorado Boulder
 Home Institution: University of Maryland, Baltimore County
 Co-Authors: Scott Summers and Kyle Shimabuku, University of Colorado Boulder; Marisol Aguero, Arizona State University
 EN

Eleni Papadopoulos..... 12:00 PM, Glen III

Presentation Title: Characterization of Herpesviral Protein in UL37 in Order to Identify Novel Therapeutic Targets
 Research Mentor: Ekaterina Heldwein
 Research Institution: Tufts University Graduate BioMedical Sciences
 Home Institution: Connecticut College
 Co-Authors: Ekaterina Heldwein and Andrea Koenigsberg, Tufts University
 BB

Louis Parham..... 5:30 PM, Glen I

Presentation Title: WNT5A-mediated Protein Depalmitoylation as a Regulator of Melanoma Metastasis
 Research Mentor: Eric Witze
 Research Institution: University of Pennsylvania
 Home Institution: UPR-Rio Piedras
 Co-Authors: Eric Witze and Rochelle Sadeghi, University of Pennsylvania
 BB

Swathi Penumutthu.....3:30 PM, Alder

Presentation Title: Effects of RecA Over Expression on Transformation in Bacillus Subtilis
 Research Mentor: Peter Belenky
 Research Institution: Brown University
 Home Institution: University of Maryland, Baltimore County
 Co-Authors: Peter Belenky and Benjamin Korry, Brown University
 BB

Adam Perez..... 12:15 PM, High Ridge

Presentation Title: Optimization of Iridium Oxide and Enzyme Biosensors on Screen Printed Electrodes
 Research Mentor: David Cliffel
 Research Institution: Vanderbilt University
 Home Institution: San Diego State University
 Co-Authors: David Crisostomo and David Cliffel, Vanderbilt University
 PS

Reuben Perez..... 11:15 AM, Waterside

Presentation Title: Framing Neoliberal Reforms in the Dominican Republic
 Research Mentor: Javier Guerrero
 Research Institution: Princeton University
 Home Institution: Brooklyn College CUNY
 Co-Authors: Javier Guerrero, Princeton University
 SS

Jaime Pérez Lizardi.....5:15 PM, Elm II

Presentation Title: Functional Characterization of BNIP3 Domains and Their Roles in Mitophagy and Cell Growth
 Research Mentor: Kay Macleod
 Research Institution: University of Chicago
 Home Institution: UPR-Rio Piedras
 Co-Authors: Kay Macleod and Logan Poole, University of Chicago
 BB

Michelle Pérez-Ayala.....11:15 AM, Glenbrook

Presentation Title: Protein Detection in Single Breast Cancer Cells
 Research Mentor: Soyeon Hwang
 Research Institution: Tufts University
 Home Institution: UPR-Cayey
 Co-Authors: David R. Walt, Soyeon Hwang and Limor Cohen, Tufts University
 PS

Christopher Persaud.....4:00 PM, Springdale II

Presentation Title: Mining Subjectivity and the Datafication of Gender: From the Relay Room to Facebook's "Gender Trouble"
 Research Mentor: Rebecca Lemov
 Research Institution: Harvard University
 Home Institution: Temple University
 Co-Authors: Rebecca Lemov, Harvard University
 HU

Andres Pinedo.....3:45 PM, Waterside

Presentation Title: Associations Between School-Home
Integration and Academic Outcomes
Research Mentor: Gregory Walton
Research Institution: Stanford University
Home Institution: UC Santa Cruz
Co-Authors: Gregory Walton and Shannon Brady,
Stanford University
SS

Sean Pirkle.....12:00 PM, Elm II

Presentation Title: Transmembrane Domain of
p75 Neurotrophin Receptor Enhances
trkB Phosphorylation
Research Mentor: Moses Chao
Research Institution: New York University
Sackler Institute
Home Institution: Vanderbilt University
Co-Authors: Moses Chao and Khalil Saadipour,
New York University
BB

Eric Pitty..... 5:30 PM, Cove II

Presentation Title: The Counselor: Speculative
Cinematic Borders
Research Mentor: Brian Herrera
Research Institution: Princeton University
Home Institution: University of Texas at San Antonio
Co-Authors: Brian Herrera, Princeton University
HU

Kevin Quin..... 12:15 PM, Springdale I

Presentation Title: (Mis) Representing the Black
Male Body: Exploring Black Masculinity and
Sexuality in PreP4Love
Research Mentor: Josef Sorett
Research Institution: Columbia University
Home Institution: DePaul University
Co-Authors: Josef Sorett, Columbia University
HU

Tania Ramos Santiago..... 3:45 PM, Aspen II

Presentation Title: Determination of Re-expression of
a4ÅŸ2 in the Hippocampus of a4 Knockout
Research Mentor: Jerry Stitzel
Research Institution: University of Colorado Boulder
Home Institution: UPR-Rio Piedras
Co-Authors: Jerry Stitzel and Cristian Zambrano,
University of Colorado Boulder
BB

Cole Randolph..... 3:30 PM, Westover

Presentation Title: Properties of Polynomials in
Finite Fields
Research Mentor: Benson Farb
Research Institution: University of Chicago
Home Institution: University of Wisconsin Madison
Co-Authors: Benson Farb, Janie Neal and Jason Vallee,
University of Chicago
PS

Thomas Rechtman..... 3:00 PM, High Ridge

Presentation Title: Determining the Influence of
Emission Pathways on Outgoing Longwave
Radiation Over Africa
Research Mentor: Kristopher Karnauskas
Research Institution: University of Colorado Boulder
Home Institution: University of Central Florida
Co-Authors: Kristopher Karnauskas, University of
Colorado Boulder
ES

Ashley Rector.....11:15 AM, High Ridge

Presentation Title: How Does Nitrogen Fixation by
Robinia Pseudocacia Affect Climate Change?
Research Mentor: Duncan Menge
Research Institution: Columbia University
Home Institution: Ohio State University
Co-Authors: Duncan Menge, Columbia University
ES

Alejandra Regla..... 4:00 PM, Long Ridge

Presentation Title: Social Integration and Friendship
Among Undocumented Immigrant Female
Hispanic College Students
Research Mentor: Tomas Jimenez
Research Institution: Stanford University
Home Institution: CSU Dominguez Hills
Co-Authors: Tomas Jimenez, Stanford University
SS

Lachanda Reid.....3:30 PM, Cove I

Presentation Title: Identity Construction Among
First-Generation Students at Predominantly
White Institutions
Research Mentor: Omar McRoberts
Research Institution: University of Chicago
Home Institution: Vanderbilt University
Co-Authors: Omar McRoberts, University of Chicago
SS

Vanya Reid-Hinkson..... 4:00 PM, Cove II

Presentation Title: Breaking the Cycle of Recidivism:
Penal Reform Beyond the Three-R Approach
Research Mentor: Stephen Macedo
Research Institution: Princeton University
Home Institution: Hunter College
Co-Authors: Stephen Macedo, Princeton University
PE

Kyle Reinholt.....2:45 PM, Westover

Presentation Title: Improving Nudge: Creating a More
Engaging Environment for Learning Responsible
Conduct of Research
Research Mentor: Robin Dowell
Research Institution: University of Colorado Boulder
Home Institution: Concord University
Co-Authors: Robin Dowell, University of
Colorado Boulder
PS

Gerardo Reyes Chavez.....5:15 PM, Waterside

Presentation Title: The Adverse Effects of Retinoic
Acid and Mono-(2-ethylhexyl) phthalate and
their Interaction in Fetal Rat Testis seminiferous
Cord Development
Research Mentor: Kim Boekelheide
Research Institution: Brown University
Home Institution: College of Mount Saint Vincent
Co-Authors: Daniel Spade and Kim Boekelheide,
Brown University
AB

Gabriella Rice..... 2:45 PM, Glen III

Presentation Title: The Impact of SH2B3 Deficiency
on Human Fanconi Anemia Cells
Research Mentor: Wei Tong
Research Institution: University of Pennsylvania
Home Institution: University of Texas at San Antonio
Co-Authors: Wei Tong, University of South Florida;
Vemika Chandra, University of Pennsylvania;
Nicholas Holdreith, University of Pennsylvania
BB

Alexys Riddick..... 12:30 PM, Elm I

Presentation Title: Discovering the Chromatin-
Modifying Complexes that Regulate Kruppel-like
Factor 6 (KLF6) Transcriptional Activity
Research Mentor: Marty Mayo
Research Institution: University of Virginia School
of Medicine
Home Institution: North Carolina A&T State University
Co-Authors: Marty Mayo, University of Virginia
BB

Jessica Robinson..... 12:00 PM, Aspen II

Presentation Title: Role of Single Nucleotide
Polymorphism in CD39 Function
Research Mentor: Richard Gumina
Research Institution: Vanderbilt University
Home Institution: Norfolk State University
Co-Authors: Richard Gumina and Roman Covarrubias,
Vanderbilt University
AB

Samanda Robinson.....2:45 PM, Cove I

Presentation Title: Catastrophic Conformity:
Searching for Individualism via Race and
Gender in a Dystopian Society
Research Mentor: William Gleason
Research Institution: Princeton University
Home Institution: Fisk University
Co-Authors: William Gleason, Princeton University
HU

Nicole Robles..... 12:15 PM, Elm I

Presentation Title: The Effects Of Iron Deficiency
On Hippocampal Gene Expression and
DNA Methylation
Research Mentor: Rebecca Simmons
Research Institution: University of Pennsylvania
Home Institution: UPR-Rio Piedras
Co-Authors: Rebecca Simmons and Yu-Chin Lien,
University of Pennsylvania
BB

Gabriel Rodriguez..... 2:45 PM, Glen I

Presentation Title: Targeting Serine Metabolism
to Treat Glioma
Research Mentor: Yi Fan
Research Institution: University of Pennsylvania
Home Institution: UPR-Mayaguez
Co-Authors: Yi Fan and Richard Mitteer, University
of Pennsylvania
BB

Amber Russell..... 5:30 PM, Elm I

Presentation Title: PkcA Regulates the Presence
of Focal Adhesions
Research Mentor: Derrick Brazill
Research Institution: Hunter College
Home Institution: Dillard University
Co-Authors: Derrick Brazill, Hunter College
AB

Emerald Rutledge..... 11:30 AM, Belltown

Presentation Title: Nina Simone and Beyonce Knowles:
Musical Icons Providing Liberation for the
Black Woman
Research Mentor: Francoise Hamlin
Research Institution: Brown University
Home Institution: College of Wooster
Co-Authors: Francoise Hamlin, Brown University
HU

Rima Sakhawala.....3:30 PM, Aspen I

Presentation Title: Cytoprotective Effects of
Cinnabarinic Acid Against NMDA Receptor-
Mediated Neurotoxicity
Research Mentor: Kelly Jordan-Sciutto
Research Institution: University of Pennsylvania
Home Institution: University of Maryland,
Baltimore County
Co-Authors: Dan Jackson, Çağla Akay Espinoza and
Kelly Jordan-Sciutto, University of Pennsylvania
BB

Valerie Salcido.....3:30 PM, Springdale II

Presentation Title: Preparing Pre-service Teachers for
Writing Instruction: Is Evidence-Based Multimedia
a Solution?
Research Mentor: Michael Kennedy
Research Institution: University of Virginia
Home Institution: Amherst College
Co-Authors: Michael Kennedy and John Romig,
University of Virginia
SS

Deshawn Sambrano.....2:45 PM, Springdale II

Presentation Title: Motivational Influences on
Perceptual Judgments: How What We Want
Changes What We See
Research Mentor: Jamil Zaki
Research Institution: Stanford University
Home Institution: CSU Fullerton
Co-Authors: Jamil Zaki and Yuan Chang Leong,
Stanford University
SS

Nancy Sanchez.....5:45 PM, Waterside

Presentation Title: The Germline of the Testis Exerts a
Control Over the Sexual Behavior of the Male Flies
Research Mentor: Erika Bach
Research Institution: New York University
Sackler Institute
Home Institution: UC Santa Cruz
Co-Authors: Erika Bach and Salvador Herrera,
New York University
BB

Donavon Sandoval-Heglund..... 12:30 PM, Aspen II

Presentation Title: RP3-driven Transformation
Pathways are Negatively Regulated by
Simultaneously Activated Pro-Inflammatory
Signaling
Research Mentor: Laurence Eisenlohr
Research Institution: University of Pennsylvania
Home Institution: University of Pennsylvania
Co-Authors: Laurence Eisenlohr and Renzo
Perales-Linares, University of Pennsylvania
BB

Kathyana Santiago.....3:45 PM, Elm II

Presentation Title: Generation of Therapeutic
Antibodies Against a Lung Cancer Specific Target
Research Mentor: Ivo Lorenz
Research Institution: Weill Cornell Medical College
Home Institution: Barnard College
Co-Authors: Ivo C. Lorenz, Abdul G. Khan and
Thomas E. White, Weill Cornell Medical College
AB

Eduardo Santos.....4:45 PM, Glen II

Presentation Title: Understanding the Role of Apc
and Lrp5/6 in Wnt Signaling Transduction
Research Mentor: Ethan Lee
Research Institution: Vanderbilt University
Home Institution: Elizabeth City State University
Co-Authors: Kenyi Saito-Diaz and Ethan Lee,
Vanderbilt University
AB

Jessica Schwarz..... 5:15 PM, Belltown

Presentation Title: Evaluating the Role of SYNGAP1
During Sleep and Wake States
Research Mentor: Ted Abel
Research Institution: University of Pennsylvania
Home Institution: University of Pennsylvania
Co-Authors: Ted Abel and Christopher Angelakos,
University of Pennsylvania
BB

Alina Scott..... 2:45 PM, Cove II

Presentation Title: "Your Humble Petitioners Do Ever
Pray": Native American Civil Rights Activists and
Petitioners in the Mashpee Revolt of 1833-34
Research Mentor: Daniel Carpenter
Research Institution: Harvard University
Home Institution: Southern Nazarene University
Co-Authors: Daniel Carpenter, Harvard University
HU

Julian Segert.....5:45 PM, Aspen I

Presentation Title: Analysis of Genome-Wide
Noncoding Variants on Liver Specific Gene
Expression and Chromatin State
Research Mentor: Christopher Brown
Research Institution: University of Pennsylvania
Home Institution: Swarthmore College
Co-Authors: Christopher Brown and Minal Caliskan,
University of Pennsylvania
BB

Nivita Sharma..... 3:45 PM, Elm I

Presentation Title: RGS10 as a New Modulator in
Platelet Regulation
Research Mentor: Lawrence Brass
Research Institution: University of Pennsylvania
Home Institution: University of Georgia
Co-Authors: Lawrence Brass and Sara Sampietro,
University of Pennsylvania
BB

Shayan Shokrgozar..... 12:30 PM, Belltown

Presentation Title: Trumping Intuition: Are People
Aware of How Terrorist Primes Affect Their
Support for Political Candidates?
Research Mentor: Alan Lambert
Research Institution: Washington University in St. Louis
Home Institution: The College of Idaho
Co-Authors: Alan Lambert, Washington University
in St. Louis
SS

Epiphani Simmons..... 5:00 PM, Springdale I

Presentation Title: GnRH Neuronal Development in
Fgf8 Hypomorphic Mouse Embryos
Research Mentor: Pei-San Tsai
Research Institution: University of Colorado Boulder
Home Institution: University of Missouri-Columbia
Co-Authors: Scott Kavanaugh and Pei-San Tsai,
University of Colorado Boulder
BB

Michaela Siver.....5:30 PM, Alder

Presentation Title: Characterization of a Novel STAG2
Copy Number Alteration in Familial Leukemia
Research Mentor: Lucy Godley
Research Institution: University of Chicago
Home Institution: Salve Regina University
Co-Authors: Matthew Jones and Lucy Godley,
University of Chicago
BB

Bethany Smith..... 4:00 PM, Glen I

Presentation Title: Elucidating Role of a p53-Regulated
Adenylate Kinase 1 Beta Isoform in Mediating
Neutrophil-Dependent Tumor Cell Destruction
Research Mentor: David Feldser
Research Institution: University of Pennsylvania
Home Institution: Texas A&M University
Co-Authors: David Feldser and Kate Stokes,
University of Pennsylvania
BB

Jesse Smith.....3:00 PM, Glen II

Presentation Title: Co-localization of Melanosomal
Proteins Through Immunofluorescence
Research Mentor: Michael Marks
Research Institution: University of Pennsylvania
Home Institution: Eastern Michigan University
Co-Authors: Dawn Harper and Michael S. Marks,
University of Pennsylvania
AB

Alexandra Solowinska.....11:30 AM, Glen III

Presentation Title: Viral Metagenomics:
From Cities to Hospitals
Research Mentor: Christopher Mason
Research Institution: Weill Cornell Medical College
Home Institution: SUNY Stony Brook
Co-Authors: Ebrahim Afshinnikoo and Christopher
Mason, Weill Cornell Graduate School
AB

Jaimarie Sostre.....5:45 PM, Elm II

Presentation Title: Evaluating the Effect of Copper
Availability on the Autophagy Machinery
Research Mentor: Donita Brady
Research Institution: University of Pennsylvania
Home Institution: UPR-Mayaguez
Co-Authors: Jessica M. Posimo and Donita C. Brady,
University of Pennsylvania
BB

Stela Sota..... 5:45 PM, Glen III

Presentation Title: Herpes simplex Virus 1 Activates
the mTORC1 Pathway in Glucose Deprived Cells
Research Mentor: Angus Wilson
Research Institution: New York University
Sackler Institute
Home Institution: Jacobs University Bremen
Co-Authors: Elizabeth Vink and Angus Wilson,
New York University
BB

Victor Soto.....2:45 PM, Elm II

Presentation Title: Rev-erb Alpha and HO-1 Dynamics
in Hyperoxic Lung Injury and Repair
Research Mentor: Phyllis Dennery
Research Institution: Brown University
Home Institution: UPR-Humacao
Co-Authors: Abigail Peterson, Jennifer Carr and
Phyllis Dennery, Brown University
AB

Victoria Stagnaro..... 11:15 AM, Glen II

Presentation Title: Tracking Inter-Microbial
Antagonisms Based on Phenotypic Analysis to
Reduce *C. difficile* Virulence
Research Mentor: Nathan Swami
Research Institution: University of Virginia
Home Institution: University of Virginia
Co-Authors: John Moore and Nathan Swami,
University of Virginia
AB

Jessica Stark..... 4:00 PM, Springdale I

Presentation Title: The Role of GluA1 and GluA3
Trafficking in the Basolateral Amygdala During
Pavlovian Reward Conditioning
Research Mentor: Peter Serrano
Research Institution: Hunter College
Home Institution: Union College
Co-Authors: Peter Serrano, Hunter College
SS

Jamira Stephenson.....12:30 PM, Aspen I

Presentation Title: Measuring the Activity of
cPLA2 in Drug Induced Apoptosis Using
Activated Fluorescence
Research Mentor: Jim Delikatny
Research Institution: University of Pennsylvania
Home Institution: North Carolina A&T State University
Co-Authors: Michael Chiorazzo, Jim Delikatny and
Anatoliy Popov, University of Pennsylvania
AB

J'Neia Stewart..... 5:00 PM, Cove II

Presentation Title: Examining the Presence of the
African Methodist Episcopal Church in
Philadelphia Between 1816 and 1845
Research Mentor: Tera Hunter
Research Institution: Princeton University
Home Institution: Prairie View A&M University
Co-Authors: Tera Hunter, Princeton University
HU

McKenzie Stokes.....4:45 PM, Cove I

Presentation Title: He's Like a Dad to Me: The Role of
Family Structure and Perceived Social Support in
Important Non-Parental Youth-Adult Relationships
Research Mentor: Nancy Deutsch
Research Institution: University of Virginia
Home Institution: Virginia Commonwealth University
Co-Authors: Courtney V. Fox, Mark Vincent B. Yu and
Nancy L. Deutsch, University of Virginia
SS

Chloe Stowell..... 3:30 PM, Long Ridge

Presentation Title: Global Justice and the Right
to Education
Research Mentor: Rob Reich
Research Institution: Stanford University
Home Institution: University of Houston
Co-Authors: Rob Reich, Stanford University
PE

Joshua Strayhorn.....12:00 PM, Waterside

Presentation Title: Our Defender: An Analysis of the
Chicago Defender's Role in Race Relations
Research Mentor: Tera Hunter
Research Institution: Princeton University
Home Institution: North Carolina Central University
Co-Authors: Tera Hunter, Princeton University
HU

Emily Sun.....12:00 PM, Springdale II

Presentation Title: The Frontier of Flesh: Politicizing
Body and Space in Performance Works by Yayoi
Kusama, Xaviera Simmons, and Patty Chang
Research Mentor: Karen Shimakawa
Research Institution: New York University
Home Institution: Brown University
Co-Authors: Karen Shimakawa, New York University
HU

Serena Sweet..... 2:45 PM, Aspen II

Presentation Title: Effect of Diurnal Corticosterone on
Cryptochrome 1 mRNA Expression in the Male
Rat Prefrontal Cortex
Research Mentor: Robert Spencer
Research Institution: University of Colorado Boulder
Home Institution: University of Miami
Co-Authors: Robert Spencer, Lauren Chun
and Elizabeth Woodruff, University of
Colorado Boulder
BB

Marlen Tagle Rodriguez..... 12:00 PM, Glen I

Presentation Title: Optimizing MMP7 Degradable
Hydrogels for Cartilage Tissue Engineering
Research Mentor: Stephanie Bryant
Research Institution: University of Colorado Boulder
Home Institution: UC Irvine
Co-Authors: Stephanie Bryant and Elizabeth Aisenbrey,
University of Colorado Boulder
AB

Emily Taylor..... 5:45 PM, Cove II

Presentation Title: A Place at the Table: A Public
History Interpretation of the Dining Room at the
Nightingale-Brown House
Research Mentor: Ron Potvin
Research Institution: Brown University
Home Institution: Southern Oregon University
Co-Authors: Susan Smulyan and Ron Potvin,
Brown University
HU

Wisa Terhune-Praphruettam.3:15 PM, Springdale II

Presentation Title: Exploring Pre-Service Teachers'
Perceived Cognitive Load Levels in Various
Instructional Methods
Research Mentor: Michael Kennedy
Research Institution: University of Virginia
Home Institution: University of Illinois at
Urbana-Champaign
Co-Authors: Michael Kennedy and John Romig,
University of Virginia
SS

Jessica Tolbert.....11:30 AM, Elm I

Presentation Title: Identifying Factors Involved in
Barrier Insulation Within the Mouse T-Cell
Receptor Alpha Locus Control Region
Research Mentor: Benjamin Ortiz
Research Institution: Hunter College
Home Institution: Claflin University
Co-Authors: Gayathri Raghupathy and Benjamin D.
Ortiz, Hunter College
BB

Jessica Treijs..... 11:45 AM, Waterside

Presentation Title: Plato's Dialectic, Socrates' Doubt:
Women and the Republic
Research Mentor: Russell 'Rusty' Jones
Research Institution: Harvard University
Home Institution: Brooklyn College CUNY
Co-Authors: Rusty Jones, Harvard University
PE

Donovan Trinidad.....12:15 PM, Glen II

Presentation Title: Characterizing Changes in Midgut
Commensals in Response to 20-Hydroxyecdysone
Signaling in *Aedes aegypti* Mosquitoes
Research Mentor: Michael Povelones
Research Institution: University of Pennsylvania
Home Institution: John Jay College of Criminal
Justice CUNY
Co-Authors: Michael Povelones and Sarah Sneed,
University of Pennsylvania
BB

Connor Tsuchida..... 3:15 PM, Elm I

Presentation Title: Isolating and Numerating Vascular
Cells by Fluorescence-Activated Cell Sorting in
Murine Models of Atherosclerosis Progression
Research Mentor: Edward Fisher
Research Institution: New York University
Sackler Institute
Home Institution: University of Washington
Co-Authors: Edward Fisher, Sonia Bergaya and
Elona Dautaj, New York University
BB

Kahealani Uehara..... 3:00 PM, Glen I

Presentation Title: Investigating Acetate Metabolism
as a Metabolic Vulnerability in Cancer
Research Mentor: Kathryn Wellen
Research Institution: University of Pennsylvania
Home Institution: Chaminade University of Honolulu
Co-Authors: Kathryn Wellen and Steven Zhao,
University of Pennsylvania
BB

Grace Uwase.....5:00 PM, Alder

Presentation Title: Investigating the Molecular
Consequences of Mutations of the Human
CREBBBBinding Protein in Leukemia by Analysis
of the Analogous Protein in Budding Yeast
Research Mentor: Jessica Tyler
Research Institution: Weill Cornell Medical College
Home Institution: Colby College
Co-Authors: Jessica Tyler and Zih-Jie Shen,
Weill Cornell Medical College
AB

Henry Vargas..... 4:45 PM, Springdale I

Presentation Title: Determining the Function and Regulation of Germ Line Factors of the Sea Star, *Patiria Miniata*
 Research Mentor: Gary Wessel
 Research Institution: Brown University
 Home Institution: LaGuardia Community College CUNY
 Co-Authors: Nathalie Oulhen, Tara Fresques and Gary Wessel, Brown University
 BB

Luigim Vargas.....4:00 PM, Aspen I

Presentation Title: A Role for Dopamine Signaling in Behavioral Phenotypes of a Mouse Model of Autism
 Research Mentor: Ted Abel
 Research Institution: University of Pennsylvania
 Home Institution: Brown University
 Co-Authors: Ted Abel and William O'Brien, University of Pennsylvania
 BB

Idelle Vaynberg.....4:00 PM, Alder

Presentation Title: The Role of Three Exoglycosidases, bgaA, nanA, and strH, in Transmission of *Streptococcus pneumoniae*
 Research Mentor: Jeffrey Weiser
 Research Institution: New York University
 Sackler Institute
 Home Institution: Brandeis University
 Co-Authors: Jeffrey Weiser and Tonia Zangari, New York University
 BB

Victor Vazquez.....2:45 PM, Alder

Presentation Title: Understanding How a Staphylococcal Pathogenicity Island Replication Initiator Functions
 Research Mentor: Phoebe Rice
 Research Institution: University of Chicago
 Home Institution: UPR-Rio Piedras
 Co-Authors: Phoebe Rice and Ignacio Mir Sanchis, University of Chicago
 BB

Alexandra Vázquez Salgado..... 5:00 PM, Elm I

Presentation Title: The Role of Adhesion Receptor CD44-Focal Adhesion Signaling in Cell Motility in Response to Extracellular Matrix Stiffness
 Research Mentor: Richard Assoian
 Research Institution: University of Pennsylvania
 Home Institution: UPR-Rio Piedras
 Co-Authors: Richard Assoian and Ziba Razinia, University of Pennsylvania
 BB

Brenda Velasco..... 12:15 PM, Aspen II

Presentation Title: Determining How Cytotoxic Cells Kill Intracellular *Plasmodium falciparum*, the Causative Agent of Malaria
 Research Mentor: Judy Lieberman
 Research Institution: Harvard University, Division of Medical Sciences
 Home Institution: CSU Northridge
 Co-Authors: Judy Lieberman, Boston Children's Hospital and Harvard Medical School; Rafael Polidoro Alves Barbosa, Boston Children's Hospital
 AB

Yoheilly Velázquez.....5:00 PM, Springdale II

Presentation Title: Immunohistochemical Analysis of Truncated Beta Amyloid Species
 Research Mentor: Jorge Ghiso
 Research Institution: New York University
 Sackler Institute
 Home Institution: UPR-Ponce
 Co-Authors: Erwin Cabrera, Agueda Rostagno and Jorge Ghiso, New York University
 BB

Sofia Vignolo..... 3:00 PM, Elm I

Presentation Title: An Analysis of the Interacting Partners of the Peptide using 6His Tagged F1R1 in Cardiomyocytes
 Research Mentor: Lauren Black
 Research Institution: Tufts University
 Home Institution: University of Miami
 Co-Authors: Lauren Black and Whitney Stoppel, Tufts University
 AB

Gina Vimbela..... 11:15 AM, Alder

Presentation Title: Bioinformatics Approaches to White Matter Molecular and Biochemical Pathology in Neurodegeneration
 Research Mentor: Suzanne De La Monte
 Research Institution: Brown University
 Home Institution: CSU Long Beach
 Co-Authors: Emine B. Yalcin, Ming Tong and Suzanne M. De La Monte, Brown University
 AB

Ashley Vincenty Acosta.....12:15 PM, Alder

Presentation Title: Spread of Tau Pathology and its Prevention by Antibodies in a Chamber Culture Assay
 Research Mentor: Einar M. Sigurdsson
 Research Institution: New York University
 Sackler Institute
 Home Institution: UPR-Mayaguez
 Co-Authors: Erin Congdon and Einar Sigurdsson,
 New York University
 AB

Zaire Wade.....12:30 PM, Westover

Presentation Title: CALORIE: A Constraint Language and Optimizing Run-Time for Exascale Power Management
 Research Mentor: Henry Hoffmann
 Research Institution: University of Chicago
 Home Institution: Norfolk State University
 Co-Authors: Henry Hoffmann, University of Chicago
 PS

Logan Wahl.....3:45 PM, Springdale II

Presentation Title: The Impact of Childhood Socioeconomic Status on Sexual Identity Development and Substance Use Debut Milestones in Gay and Bisexual Men
 Research Mentor: H. Jonathon Rendina
 Research Institution: Hunter College
 Home Institution: Middlebury College
 Co-Authors: H. Jonathon Rendina and Jeffrey T. Parsons, Hunter College
 SS

Jenna Washington.....11:30 AM, High Ridge

Presentation Title: Uppermost Mantle Velocity in Southern Appalachian Origin from Pn Phases: Implications for Support of Mountain Topography
 Research Mentor: Karen Fischer
 Research Institution: Brown University
 Home Institution: Claflin University
 Co-Authors: Karen Fischer and Emily Hopper,
 Brown University
 ES

Jahqwahl Watson.....12:15 PM, Springdale II

Presentation Title: White Domination and the Black Male Body: The Erotics of Racial Violence in James Baldwin's "Going to Meet the Man"
 Research Mentor: Keisha-Khan Perry
 Research Institution: Brown University
 Home Institution: College of Wooster
 Co-Authors: Keisha-Khan Perry, Brown University
 HU

Hannah Weinstein..... 3:30 PM, Glen I

Presentation Title: The Function of Fructose-1, 6-bisphosphatase in Human Hepatocellular Carcinoma Cells
 Research Mentor: Celeste Simon
 Research Institution: University of Pennsylvania
 Home Institution: Williams College
 Co-Authors: Fuming Li and Celeste Simon,
 University of Pennsylvania
 BB

Jonathan Werner..... 3:00 PM, Aspen II

Presentation Title: Hypoxia Induced Remodeling of a Chemosensory Neuron
 Research Mentor: Niels Ringstad
 Research Institution: New York University
 Sackler Institute
 Home Institution: University of Maryland,
 Baltimore County
 Co-Authors: Niels Ringstad, Luis Martinez-Velazquez and Julia Brandt, New York University
 BB

Maurice Whalen, Jr.....5:15 PM, Glen II

Presentation Title: The Effect of the Natriuretic Peptide Receptor-C on Cyclic Adenosine Monophosphate Production
 Research Mentor: Elizabeth Harrington
 Research Institution: Brown University
 Home Institution: Tougaloo College
 Co-Authors: Huetran Duong, Lisset Duran and Elizabeth Harrington, Brown University
 AB

Neal Whetstone..... 3:30 PM, Cove II

Presentation Title: Black Folks Keep Making It, White Folks Keep Taking It: An Introduction to Political Reparations
 Research Mentor: Stephen Macedo
 Research Institution: Princeton University
 Home Institution: Saint Edward's University
 Co-Authors: Stephen Macedo, Princeton University
 PE

Donovan White..... 3:30 PM, High Ridge

Presentation Title: Monitoring Micro-Channel Plate Detector Current Using LabVIEW
 Research Mentor: Stefan Baessler
 Research Institution: University of Virginia
 Home Institution: Morehouse College
 Co-Authors: Stefan Baessler, University of Virginia; Americo Francisco Salas Bacci, Yale University
 PS

James Whitfield..... 3:15 PM, Long Ridge

Presentation Title: Nuclear Magnetic Resonance (NMR) Diffusion Analysis of Polyether Lithium Salt Solutions for Safe Rechargeable Batteries
 Research Mentor: Steve Greenbaum
 Research Institution: Hunter College
 Home Institution: Azusa Pacific University
 Co-Authors: Steve Greenbaum, Mallory Gobet and Steve Munoz, Hunter College
 PS

River Williams.....3:15 PM, Elm II

Presentation Title: Defining the CHI3L1-CRTH2 Pathway in PBMCs from Patients with Idiopathic Pulmonary Fibrosis
 Research Mentor: Yang Zhou
 Research Institution: Brown University
 Home Institution: University of Maryland, College Park
 Co-Authors: Yueming Cao, Barry Shea, Chun Geun Lee, Jack Elias and Yang Zhou, Brown University
 BB

Jasmine Wilson.....11:15 AM, Belltown

Presentation Title: Curious Black: Race Reversal Between Black and White Women Characters in Comics
 Research Mentor: Farah Griffin
 Research Institution: Columbia University
 Home Institution: Howard University
 Co-Authors: Farah Jasmine Griffin, Columbia University
 HU

Khadija Wilson..... 12:00 PM, Elm I

Presentation Title: Proteasome Dependent Regulation of the KMT2D-COMPASS complex.
 Research Mentor: Luca Busino
 Research Institution: University of Pennsylvania
 Home Institution: Brooklyn College CUNY
 Co-Authors: Luca Busino and Rizwan Saffie, University of Pennsylvania
 BB

Jessica Wiltshire..... 12:00 PM, Glenbrook

Presentation Title: Effects of Aging and Environmental Stresses on Leaf Lifespan in Plantago
 Research Mentor: Debra Roach
 Research Institution: University of Virginia
 Home Institution: Johnson C. Smith University
 Co-Authors: Debra Roach and Brandie Quarles, University of Virginia
 ES

Dennzon Winley..... 12:15 PM, Belltown

Presentation Title: Hegemony and Compliance: How U.S. Hegemony Impedes Implementation of Counterterrorist Measures Within Western Africa
 Research Mentor: Michael Reese
 Research Institution: University of Chicago
 Home Institution: University of South Carolina - Columbia
 Co-Authors: Michael Reese and Nasir Almasri, University of Chicago
 PE

Maria Winters.....11:45 AM, High Ridge

Presentation Title: The Hydrodynamics of Cyclic Inhalant-Exhalant Flows
 Research Mentor: John Crimaldi
 Research Institution: University of Colorado Boulder
 Home Institution: UC San Diego
 Co-Authors: Aaron C. True and John P. Crimaldi, University of Colorado Boulder
 EN

Alia Wofford.....11:45 AM, Glenbrook

Presentation Title: How Does Dense and Molecular Gas Contribute to Star Formation in the Starburst Galaxy NGC 2146?
 Research Mentor: Amanda Kepley
 Research Institution: University of Virginia
 Home Institution: Elizabeth City State University
 Co-Authors: Amanda Kepley and Sabrina Stierwalt, University of Virginia
 PS

Abdul-Razak Zachariah.....4:00 PM, Cove I

Presentation Title: Taming the “Vicious Five”: Bias and Respectability in Mentorship of Young Black Men?
 Research Mentor: Grace Kao
 Research Institution: University of Pennsylvania Arts & Sciences
 Home Institution: Yale University
 Co-Authors: Grace Kao, University of Pennsylvania
 SS

Wafa Zeidan..... 5:00 PM, Aspen II

Presentation Title: Disruption of the Multimeric Configuration of a Regulatory Ribonuclease Through Targeted Mutation
 Research Mentor: Joel Belasco
 Research Institution: New York University Sackler Institute
 Home Institution: UC Davis
 Co-Authors: Joel Belasco, New York University
 BB

Poster Presentations by Name

Mariam Ahmed, 75

Presentation Title: Determining the Reactivities of Coal and Biomass Chars When Exposed to Reactive Gases at Selected Temperatures and Pressures
Research Mentor: Reginald Mitchell
Research Institution: Stanford University Engineering
Home Institution: San Diego Mesa College
Co-Authors: Reginald Mitchell and David U. Johnson, Stanford University

Eduardo Alvarez, 77

Presentation Title: Shock Tube Gasdynamics Simulation of a Varying-Diameter Tube
Research Mentor: David F. Davidson
Research Institution: Stanford University Engineering
Home Institution: Brigham Young University-Idaho
Co-Authors: Maneekwan Toyungyernsub, David F. Davidson and Ronald K. Hanson, Stanford University

Tsikata Apenyo, 9

Presentation Title: Negative Emotional States and Incident Diabetes Among African American Adults: The Jackson Heart Study
Research Mentor: Wen-Chih Wu
Research Institution: Brown University
Home Institution: University of Portland
Co-Authors: Wen-Chih Wu, Brown University; Tracey Taveira, University of Rhode Island

Natalia Ayala Muniz, 64

Presentation Title: The High Resolution 3D Single-Particle Reconstruction of Small Proteins
Research Mentor: Michael McCaffery
Research Institution: Johns Hopkins University Arts and Sciences
Home Institution: UPR-Ponce
Co-Authors: Michael McCaffery and David Gong, Johns Hopkins University

Roberto Barroso-Luque, 31

Presentation Title: Processing of Distinct Visual Information in a Rodent's Visual Cortex
Research Mentor: David Cox
Research Institution: Harvard University
Home Institution: Boston University
Co-Authors: Cesar Echavarria and David Cox, Harvard University

Asad Beck, 65

Presentation Title: Cognitive Motivation in Healthy Aging: Effects of Primary and Secondary Incentives
Research Mentor: Todd Braver
Research Institution: Washington University in St. Louis
Home Institution: San Diego State University
Co-Authors: Todd Braver and Debbie Yee, Washington University in St. Louis

Norman Beckwood, 11

Presentation Title: The Role of Peroxisome Proliferator Activated Receptor - Alpha During Na⁺ Transport and NADPH Oxidase Signaling in the Kidneys During Hypertension
Research Mentor: Dexter L. Lee
Research Institution: Howard University
Home Institution: Rust College
Co-Authors: Dexter L. Lee, Howard University

Andres Bermeo, 13

Presentation Title: Investigating the Effects of Epigenetic Drugs on Prostate Cancer Proliferation and Gene Expression
Research Mentor: Bernard Kwabi-Addo
Research Institution: Howard University
Home Institution: Hunter College
Co-Authors: Bernard Kwabi-Addo, Howard University

Dwight Bland, 62

Presentation Title: Dual Heterojunction of Bismuth Vanadate for Enhanced Photoelectrochemical Water Splitting
Research Mentor: Elsayed Zahran
Research Institution: University of Miami
Home Institution: Norfolk State University
Co-Authors: Elsayed M. Zahran, Marc Knecht and Leonidas G. Bachas, University of Miami

Danielle Boateng, 44

Presentation Title: Development of a Cell Reporter to Probe Vascular Signaling
Research Mentor: Guillermo Garcia-Cardena
Research Institution: Harvard University, Division of Medical Sciences
Home Institution: University of Maryland, Baltimore County
Co-Authors: Guillermo Garcia-Cardena, Brigham and Women's Hospital and Harvard Medical School; Yuzhi Zhang and Benjamin Larman, Brigham and Women's Hospital

Larisa Breden, 16

Presentation Title: Effect of Calpain on Na⁺/H⁺ Exchanger Activity in Smooth Muscle Cells During Pulmonary Hypertension
 Research Mentor: John Huetsch
 Research Institution: Johns Hopkins University
 Home Institution: University of New Mexico
 Co-Authors: John Huetsch and Larissa Shimoda, Johns Hopkins University

Hakeem Brooks, 27

Presentation Title: Differences in Insula Connectivity in Autism Spectrum Disorder
 Research Mentor: Luke Chang
 Research Institution: Dartmouth College
 Home Institution: Xavier University of Louisiana
 Co-Authors: Jeremy Cohen, Xavier University of Louisiana; Luke Chang and Jin Hyun Cheong, Dartmouth College

Tyler Camp, 58

Presentation Title: ARM and HMMER: Identifying Sequence Homologs on the ARM Architecture
 Research Mentor: Nick Carter
 Research Institution: Harvard University
 Home Institution: University of Texas at Austin
 Co-Authors: Sean Eddy and Nick Carter, Harvard University

Selena Castro, 61

Presentation Title: The Role of Sirtuin 2.3 in the Neurodegeneration of *C. elegans*
 Research Mentor: Laura Bianchi
 Research Institution: University of Miami
 Home Institution: Williams College
 Co-Authors: Laura Bianchi, Rachele Sangaletti and Massimo D'Amico, University of Miami

Chianne Charles, 4

Presentation Title: The Effects of Pediatric SIV Infection on Calcium Binding Proteins in the Hippocampus
 Research Mentor: Mark Burke
 Research Institution: Howard University
 Home Institution: Xavier University of Louisiana
 Co-Authors: Mark Burke, Howard University

Boubacar Cherif, 39

Presentation Title: The Bioluminescence Detection of HIV
 Research Mentor: Emre Dikici
 Research Institution: University of Miami
 Home Institution: Berea College
 Co-Authors: Angeliki Moutsopoulos, Emre Dikici and Sapna Deo, University of Miami

Michael Cleveland, 6

Presentation Title: The Effect of PTEN Loss on TRPC6 Activity Involving Migration of Co-Cultured Prostate Cancer and Bone Morphogenic Model
 Research Mentor: Tamaro Hudson
 Research Institution: Howard University
 Home Institution: Tougaloo College
 Co-Authors: Tamaro Hudson, Howard University

Victoria Cole, 7

Presentation Title: Expression and Localization of Calcium-Activated Potassium Channels in Diabetic Endothelial Cells in Mice and Humans
 Research Mentor: Jun Feng
 Research Institution: Brown University
 Home Institution: University of Arizona
 Co-Authors: Jun Feng, Yuhong Liu and Frank Sellke, Brown University

Ayanna Crear, 21

Presentation Title: Adaptation of Dry Collection Methods to Quantify Extraction Efficiency of *Staphylococcus aureus* from Environmental Samples
 Research Mentor: Meghan Davis
 Research Institution: Johns Hopkins University
 Home Institution: Embry-Riddle Aeronautical University
 Co-Authors: Kristoffer Spicer and Meghan Davis, Johns Hopkins University

Eliana Crentsil, 20

Presentation Title: A Study of the Behavior of *Toxoplasma gondii* in the 3D Microenvironment
 Research Mentor: Denis Wirtz
 Research Institution: Johns Hopkins University
 Home Institution: University of Maryland, Baltimore County
 Co-Authors: Nicolas Perez Gonzalez and Denis Wirtz, Johns Hopkins University

De'Von Cross, 24

Presentation Title: Weight Loss Prediction Based on Hemoglobin A1C Levels
 Research Mentor: Larry Cheskin
 Research Institution: Johns Hopkins University
 Home Institution: Morehouse College
 Co-Authors: Larry Cheskin and Robin Frutche, Johns Hopkins University

Edgar Cruz, 70

Presentation Title: 1997 Longitudinal Study: Latino/a Education Attainment Factors
 Research Mentor: Andrew Sobel
 Research Institution: Washington University in St. Louis
 Home Institution: CSU Northridge
 Co-Authors: Andrew Sobel, Washington University in St. Louis

Jacob Ferreira, 12

Presentation Title: Fighting Cancer: Development of a LCMS-Based Nicotinamide N-Methyltransferase (NNMT) Activity Assay
 Research Mentor: Matthew Shair
 Research Institution: Harvard University
 Home Institution: University of Connecticut
 Co-Authors: Rocco Policarpo and Matthew Shair, Harvard University

Almaris Figueroa, 38

Presentation Title: Screening DIP-Gamma Expression in L3 Neuron Synaptic Partners Within the Drosophila Visual System
 Research Mentor: Matthew Pecot
 Research Institution: Harvard University, Division of Medical Sciences
 Home Institution: UPR-Rio Piedras
 Co-Authors: Matthew Pecot and Chundi Xu, Harvard Medical School; Ivan Santiago, Harvard University Div. of Medical Sciences

Ezekiel Geffken, 22

Presentation Title: Effects of Chronic Bitter Taste Receptor Stimulation on B2AR Efficacy in Human Airway Smooth Muscle Cells
 Research Mentor: Steven An
 Research Institution: Johns Hopkins University
 Home Institution: Saint Michael's College
 Co-Authors: Hwan Mee Yong, Jessie Huang and Steven S. An, Johns Hopkins University

Jordan Glisan, 57

Presentation Title: What the Milky Way Structure Tells Us About Dark Matter
 Research Mentor: Nitya Kallivayalil
 Research Institution: University of Virginia
 Home Institution: Virginia Commonwealth University
 Co-Authors: Nitya Kallivayalil, Tobias Fritz and Paul Zivick, University of Virginia

Carolina Gracia, 32

Presentation Title: Establishing a Method to Examine Microtubule Bound Dynein-dynactin Supercomplexes
 Research Mentor: Trina Schroer
 Research Institution: Johns Hopkins University Arts and Sciences
 Home Institution: UPR-Mayaguez
 Co-Authors: Trina Schroer, Stephanie Ketcham and Michael McCaffery, Johns Hopkins University

Amelia Hallworth, 36

Presentation Title: Characterization of Forkhead Transcription Factor Binding Specificity
 Research Mentor: Martha Bulyk
 Research Institution: Harvard University, Division of Medical Sciences
 Home Institution: University of Maryland, Baltimore County
 Co-Authors: Martha Bulyk, Brigham and Women's Hospital, Harvard Medical School; Julia Rogers, Harvard University

Rafael Hamawi, 43

Presentation Title: Investigating the Regulation of Myosin During T cell Activation
 Research Mentor: Stephen Bunnell
 Research Institution: Tufts University Graduate BioMedical Sciences
 Home Institution: Assumption College
 Co-Authors: Stephen Bunnell and Frank Scangarello, Tufts University

Ilse Hernandez, 23

Presentation Title: Development of Flavivirus Inhibitors
 Research Mentor: Priscilla Yang
 Research Institution: Harvard University, Division of Medical Sciences
 Home Institution: University of Texas at El Paso
 Co-Authors: Priscilla Yang and Wenlong Lian, Harvard Medical School

Rachel Hitchens, 37

Presentation Title: Quantifying the Proliferation of Trypanosoma Musculi in the Presence of Adherent Spleen Cells Using a Hemocytometer and MTT Assay
 Research Mentor: Mohammad Ashraf
 Research Institution: Howard University
 Home Institution: Xavier University of Louisiana
 Co-Authors: Mohammad Ashraf and Clarence M. Lee, Howard University

Samuel Honore, 63

Presentation Title: Development of Activity Based Protein Profiling Based Platform for Reversible Compound Identification
 Research Mentor: Ku-Lung (Ken) Hsu
 Research Institution: University of Virginia
 Home Institution: Brooklyn College CUNY
 Co-Authors: Ku-Lung Hsu and Myungsun Shin, University of Virginia

Robert Jirsaraie, 66

Presentation Title: The Association of Brain Structure on Cognitive Impairments and Positive Symptoms in Schizophrenia
 Research Mentor: Deanna Barch
 Research Institution: Washington University in St. Louis
 Home Institution: University of Colorado Denver
 Co-Authors: Julia Sheffield and Deanna Barch, Washington University in St. Louis

Stephanie Kabeche, 35

Presentation Title: Towards the Structure of EC5-6 Domains of Clustered Protocadherins
 Research Mentor: Rachelle Gaudet
 Research Institution: Harvard University
 Home Institution: University of Miami
 Co-Authors: Rachelle Gaudet and John Nicoludis, Harvard University

Kalen Kennedy, 68

Presentation Title: Sex, Race, and Dominance: How Social Dominance Orientation Mediates the Racial Component of Ambivalent Sexism
 Research Mentor: Jim Sidanius
 Research Institution: Harvard University
 Home Institution: Howard University
 Co-Authors: Sa-kiera Hudson and James Sidanius, Harvard University

Angelo Khan, 60

Presentation Title: Determining Methods for Measuring Mechanosensitive Adenosine Using Fast-Scan Voltammetry In situ
 Research Mentor: B. Jill Venton
 Research Institution: University of Virginia
 Home Institution: Brooklyn College CUNY
 Co-Authors: Barbara Venton and Scott Lee, University of Virginia

Alexia King, 47

Presentation Title: Characterization of AR Expression in Novel Murine Prostate Cancer Cell Lines
 Research Mentor: Karen Sfanos
 Research Institution: Johns Hopkins University
 Home Institution: UC Riverside
 Co-Authors: Mark Markowski, Angelo De Marzo and Karen Sfanos, Johns Hopkins University

Amanda Loehr, 19

Presentation Title: Therapeutic Potential of Degronimide-Conjugated Anaplastic Lymphoma Kinase Inhibitors in Neuroblastoma Cells
 Research Mentor: Rani George
 Research Institution: Harvard University, Division of Medical Sciences
 Home Institution: Gettysburg College
 Co-Authors: Yang Gao, Dana Farber Cancer Institute; Rani George, Dana Farber Cancer Institute & Harvard Medical School

Ranisha Logan, 73

Presentation Title: Using Sputum Biomarkers to Diagnose Respiratory Infections
 Research Mentor: Jane Hill
 Research Institution: Dartmouth College
 Home Institution: Jarvis Christian College
 Co-Authors: Christiaan Rees, Joseph Schwartzman and Jane Hill, Dartmouth College

Eddy Lontchi, 56

Presentation Title: Development of Methods to Examine Enantioselectivity
 Research Mentor: Michael Hilinski
 Research Institution: University of Virginia
 Home Institution: Virginia Commonwealth University
 Co-Authors: Michael Hilinski and Logan Combee, University of Virginia

Alberto Lopez, 41

Presentation Title: The Role of CR3 and CD14 in the Phagocytosis of *Pseudomonas aeruginosa*
 Research Mentor: Brent Berwin
 Research Institution: Dartmouth College
 Home Institution: UC Irvine
 Co-Authors: Sally Demirdjian and Brent Berwin, Dartmouth College

Jessica Lopez, 48

Presentation Title: Neuron-Specific Deletion of DNER Down-Regulates the Norepinephrine Biosynthetic Pathway in Sympathetic Neurons
 Research Mentor: Rejji Kuruvilla
 Research Institution: Johns Hopkins University Arts and Sciences
 Home Institution: Florida International University
 Co-Authors: Erica Boehm and Rejji Kuruvilla, Johns Hopkins University

Rachel Lujan, 2

Presentation Title: Hepatic Orexin Receptor 1 Expression in Binge Eating Prone Versus Binge Eating Resistant Rats
 Research Mentor: Kimberlei Richardson
 Research Institution: Howard University
 Home Institution: Columbia University
 Co-Authors: Kimberlei Richardson, Howard University

Javier Macossay-Hernández, 76

Presentation Title: Characterization of Vacuum Chamber and Developing Matching Networks
 Research Mentor: Juan Rivas-Dávila
 Research Institution: Stanford University Engineering
 Home Institution: University of Southern California
 Co-Authors: Juan Rivas-Dávila and Wei Liang, Stanford University

Matthew Maxwell, 50

Presentation Title: Identifying Potentially Oncogenic Downstream Targets of the Hippo-YAP Signaling Pathway in a Liver Cancer Cell Line
 Research Mentor: Fernando Camargo
 Research Institution: Harvard University, Division of Medical Sciences
 Home Institution: Southeastern Oklahoma State University
 Co-Authors: Wei-Chien Yuan, Boston Children's Hospital; Fernando Camargo, Harvard University

Amit Mehrotra, 30

Presentation Title: The Global Transcriptional Regulator CdnL is Required for Proper Pole Development in Caulobacter Crescentus
 Research Mentor: Erin Goley
 Research Institution: Johns Hopkins University
 Home Institution: SUNY at Buffalo
 Co-Authors: Selamawit Woldemeskel and Erin Goley, Johns Hopkins University

Terrance Mensah, 45

Presentation Title: Localization of Sonic Hedgehog Receptors in Cortical Neurons During Development
 Research Mentor: Corey Harwell
 Research Institution: Harvard University, Division of Medical Sciences
 Home Institution: Williams College
 Co-Authors: Corey Harwell and Busola Olukoya, Harvard Medical School

Jamaarl Mercado Rivera, 51

Presentation Title: Investigating the In vivo Role of Protein N-Terminal Acetylation During Meiosis in C.elegans
 Research Mentor: Jinmin Gao
 Research Institution: Harvard University, Division of Medical Sciences
 Home Institution: UPR-Aguadilla
 Co-Authors: Jinmin Gao, Harvard Medical School; Vivian Chan, Boston University; Monica Colaiacovo, Harvard Medical School

Lorado Mhonda, 46

Presentation Title: Genes Required to Sense Specific Amino Acids
 Research Mentor: J. Marie Hardwick
 Research Institution: Johns Hopkins University
 Home Institution: Fisk University
 Co-Authors: J. Marie Hardwick, Johns Hopkins University

Michelle Moats, 49

Presentation Title: Type 1 Alveolar Epithelial Cells in Cigarette Smoke-Induced Lung Injury
 Research Mentor: Enid Neptune
 Research Institution: Johns Hopkins University
 Home Institution: Florida International University
 Co-Authors: Alla Malinina, Dustin Dikeman and Enid Neptune, Johns Hopkins University

Alexander Monovich, 26

Presentation Title: An Efficient Platform For Resistance Guided Natural Product Discovery
 Research Mentor: Maulik Thaker
 Research Institution: Novartis Institutes for BioMedical Research
 Home Institution: Novartis Institutes for BioMedical Research
 Co-Authors: Maulik Thaker, Novartis Institutes for BioMedical Research

Danielle Morency, 28

Presentation Title: Contributions of Peripheral Somatosensory Neurons to Autism Spectrum Disorder Phenotypes
 Research Mentor: Lauren Orefice
 Research Institution: Harvard University, Division of Medical Sciences
 Home Institution: Simmons College
 Co-Authors: Lauren Orefice and David Ginty, Harvard Medical School

Dominique Munson, 10

Presentation Title: PARP Inhibitor Sensitizes Human Tumors with Alterations in the Chromatin Remodeling Pathway to Radiotherapy
 Research Mentor: Tian-Li Wang
 Research Institution: Johns Hopkins University
 Home Institution: Morgan State University
 Co-Authors: Youngran Park, Ie-Ming Shih and Tian-Li Wang, Johns Hopkins University

Marissa Murchison, 1

Presentation Title: Efficacy of Labeling EGFR and Sarcoma Tumors with a Fluorescent Protein in Preparation for a Clinical Trial
 Research Mentor: Brian W. Pogue
 Research Institution: Dartmouth College
 Home Institution: University of Arkansas at Fayetteville
 Co-Authors: Kayla Marra, Jason Gunn and Brian W. Pogue, Dartmouth College

Alejandra Patino, 29

Presentation Title: Optogenetic Modulation of Recognition Memory Via the Medial Prefrontal Cortex
 Research Mentor: Rebecca Burwell
 Research Institution: Brown University
 Home Institution: New York University
 Co-Authors: Devon Poeta and Rebecca Burwell, Brown University

Gabrielle Price, 8

Presentation Title: Interplay Between Primary Cilia and Inositol Lipids in Sonic Hedgehog Signaling
 Research Mentor: Rosalind Segal
 Research Institution: Harvard University, Division of Medical Sciences
 Home Institution: Spelman College
 Co-Authors: Rosalind Segal, Dana Farber Cancer Institute and Harvard Medical School; Xuesong Zhao, Dana Farber Cancer Institute

Christopher Reid, 33

Presentation Title: Formation of Higher-Order Heterochromatin During Embryogenesis
 Research Mentor: Susan Mango
 Research Institution: Harvard University
 Home Institution: City College of New York
 Co-Authors: Beste Mutlu and Susan Mango, Harvard University

Jelonia Rumph, 17

Presentation Title: Cardiac Fibroblast Functionality Under the Influence of Th2 Cytokines During Autoimmune Myocarditis
 Research Mentor: Daniela Cihakova
 Research Institution: Johns Hopkins University
 Home Institution: Florida Memorial University
 Co-Authors: Daniela Cihakova, William Bracamonte Baran and Katerina Havlik, Johns Hopkins University

Hannah Russert, 14

Presentation Title: Variations in the Activity Levels of Target and Accessory Muscles with Changes in Machine Utilization and Load
 Research Mentor: Joseph Signorile
 Research Institution: University of Miami
 Home Institution: College of Saint Scholastica
 Co-Authors: Joseph Signorile, Cameron Crumpton and Faryn Solomon, University of Miami

Alexander Salazar, 52

Presentation Title: How a Short Winter Affects the Developmental Rate of Wood Frogs
 Research Mentor: Kathryn Cottingham
 Research Institution: Dartmouth College
 Home Institution: Minnesota State University-Mankato
 Co-Authors: Debora Goedert and Kathryn Cottingham, Dartmouth College

Narda Salinas, 72

Presentation Title: Second Language Vocabulary Acquisition by Older and Younger Adults: Native vs. Non-Native Accents
 Research Mentor: Mitchell Sommers
 Research Institution: Washington University in St. Louis
 Home Institution: Saint Edward's University
 Co-Authors: Mitchell Sommers and Niki Runge, Washington University in St. Louis; Dior-Ashton Teodosio, Chaminade University of Honolulu

Kallen Schwark, 3

Presentation Title: In vitro Toxicity and Transfection Efficiency of mRNA-lipofectamine Complexes for Various Cancers
 Research Mentor: Omid Farokhzad
 Research Institution: Harvard University, Division of Medical Sciences
 Home Institution: University of Michigan-Ann Arbor
 Co-Authors: Omid Farokhzad, Brigham & Women's Hospital & Harvard Medical School; Mohammad Islam, Brigham & Women's Hospital; Wuji Cao, University of Waterloo

Eniola Sodeke, 53

Presentation Title: The Life of Kim: The Effects of African American on Korean National Identity
 Research Mentor: Elisa New
 Research Institution: Harvard University
 Home Institution: Spelman College
 Co-Authors: Elisa New, Harvard University

Dior-Ashton Teodosio, 71

Presentation Title: Semantic vs. Phonological Errors During False Memory: Misperceptions Reveal Differential Use of Context by Older and Younger Adults
 Research Mentor: Mitchell Sommers
 Research Institution: Washington University in St. Louis
 Home Institution: Chaminade University of Honolulu
 Co-Authors: Mitchell Sommers and Eric Failes, Washington University in St. Louis; Narda Salinas, St. Edwards University

Devrick Thomas, 25

Presentation Title: Collagen Alignment Post-myocardial Infarction in Sheep Scar Tissue
 Research Mentor: Jeffrey Holmes
 Research Institution: University of Virginia School of Medicine
 Home Institution: Georgia State University
 Co-Authors: Jeffrey Holmes and Ana Estrada, University of Virginia

Jessica Thomas, 54

Presentation Title: Investigating Mechanochromic Luminescence
 Research Mentor: Cassandra Fraser
 Research Institution: University of Virginia
 Home Institution: Xavier University of Louisiana
 Co-Authors: Cassandra Fraser and Tristan Butler, University of Virginia

Richard Thornton, 5

Presentation Title: Targeting STAT5 Through EZH2 Inhibition in Acute Myeloid Leukemia
 Research Mentor: David Frank
 Research Institution: Harvard University, Division of Medical Sciences
 Home Institution: North Carolina A&T State University
 Co-Authors: David Frank, Dana Farber Cancer Institute & Harvard Medical School; Darwin Ye, Dana Farber Cancer Institute

Oanh Tran, 15

Presentation Title: Effect Of Antibody Deficiency On Apoptosis in the Brains Of Alphavirus-Infected Mice
 Research Mentor: Diane Griffin
 Research Institution: Johns Hopkins University
 Home Institution: University of Texas at Austin
 Co-Authors: Voraphoj Gui Nilaratanakul and Diane Griffin, Johns Hopkins University

Chanell Upshaw, 18

Presentation Title: The Role of Nitrogen Sources in Aspergillus Fumigatus Germination
 Research Mentor: Joshua Obar
 Research Institution: Dartmouth College
 Home Institution: Miami University
 Co-Authors: Alayna Caffrey and Joshua Obar, Dartmouth College

Jennifer Villa, 67

Presentation Title: Age Related Variation in Symptoms, Cognition, Brain Structure and Functional Connectivity in Psychosis
 Research Mentor: Deanna Barch
 Research Institution: Washington University in St. Louis
 Home Institution: San Diego State University
 Co-Authors: Julia Sheffield and Deanna Barch, Washington University in St. Louis

Maria Villanueva, 59

Presentation Title: Expressing, Purifying, and Refolding Recombinant Neisserial Opa Protein
 Research Mentor: Linda Columbus
 Research Institution: University of Virginia
 Home Institution: Heritage University
 Co-Authors: Linda Columbus and Marissa Kieber, University of Virginia

Alan Wei, 34

Presentation Title: Of Mice and Mixtures: The Importance of Reward and Experience in Learning an Odor-Guided Task
 Research Mentor: Venkatesh Murthy
 Research Institution: Harvard University
 Home Institution: Stanford University
 Co-Authors: Alexandra W. Ding and Venkatesh N. Murthy, Harvard University

Moriah West, 69

Presentation Title: The Relation Between Racial and Cultural Socialization Practices and Child Cognitive and Behavioral Outcomes
 Research Mentor: Ann Easterbrooks
 Research Institution: Tufts University
 Home Institution: Cornell University
 Co-Authors: Ann Easterbrooks, Jana Chaudhuri and Mariah Contreras, Tufts University

Janai Williams, 40

Presentation Title: The Morphological Impact of Pten on Mature Neurons
 Research Mentor: Bryan Luikart
 Research Institution: Dartmouth College
 Home Institution: Brooklyn College CUNY
 Co-Authors: Stephanie Getz and Bryan Luikart, Dartmouth College

Tanquez Willis, 55

Presentation Title: Expressing and Purifying Recombinant Opa Protein
 Research Mentor: Linda Columbus
 Research Institution: University of Virginia
 Home Institution: Elizabeth City State University
 Co-Authors: Linda Columbus and Jason Kuhn, University of Virginia

Linda Yarfi, 42

Presentation Title: Understanding the Role of Histone H3 Serine 10 Phosphorylation in Asymmetric Histone Segregation in Drosophila Male Germline Stem Cells
 Research Mentor: Xin Chen
 Research Institution: Johns Hopkins University Arts and Sciences
 Home Institution: Kean University
 Co-Authors: Binbin Ma, Rajesh Ranjan and Xin Chen, Johns Hopkins University

Gregory Zaborski, 74

Presentation Title: Combustion Chemical Kinetics Analysis Of Jet Fuels With A Shock Tube
 Research Mentor: Thomas Parise
 Research Institution: Stanford University Engineering
 Home Institution: Saddleback College
 Co-Authors: Ron Hanson, David Davidson and Thomas Parise, Stanford University

Poster Presentations by Number

BB = Basic Biosciences EN = Engineering PS = Physical Science SS = Social Science
 AB = Applied Biosciences PE = Policy & Ethics ES = Earth Science HU = Humanities

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|----|--------------------------|----|--|
| 1 | Marissa Murchison | AB | Efficacy of Labeling EGFR and Sarcoma Tumors with a Fluorescent Protein in Preparation for a Clinical Trial |
| 2 | Rachel Lujan | AB | Hepatic Orexin Receptor 1 Expression in Binge Eating Prone Versus Binge Eating Resistant Rats |
| 3 | Kallen Schwark | AB | In vitro Toxicity and Transfection Efficiency of mRNA-lipofectamine Complexes for Various Cancers |
| 4 | Chianne Charles | AB | The Effects of Pediatric SIV Infection on Calcium Binding Proteins in the Hippocampus |
| 5 | Richard Thornton | AB | Targeting STAT5 Through EZH2 Inhibition in Acute Myeloid Leukemia |
| 6 | Michael Cleveland | AB | The Effect of PTEN Loss on TRPC6 Activity Involving Migration of Co-Cultured Prostate Cancer and Bone Morphogenic Model |
| 7 | Victoria Cole | AB | Expression and Localization of Calcium-Activated Potassium Channels in Diabetic Endothelial Cells in Mice and Humans |
| 8 | Gabrielle Price | AB | Interplay Between Primary Cilia and Inositol Lipids in Sonic Hedgehog Signaling |
| 9 | Tsikata Apenyo | AB | Negative Emotional States and Incident Diabetes Among African American Adults: The Jackson Heart Study |
| 10 | Dominique Munson | AB | PARP Inhibitor Sensitizes Human Tumors with Alterations in the Chromatin Remodeling Pathway to Radiotherapy |
| 11 | Norman Beckwood | AB | The Role of Peroxisome Proliferator Activated Receptor - Alpha During Na ⁺ Transport and NADPH Oxidase Signaling in the Kidneys During Hypertension |
| 12 | Jacob Ferreira | AB | Fighting Cancer: Development of a LCMS-Based Nicotinamide N-Methyltransferase (NNMT) Activity Assay |
| 13 | Andres Bermeo | AB | Investigating the Effects of Epigenetic Drugs on Prostate Cancer Proliferation and Gene Expression |
| 14 | Hannah Russert | AB | Variations in the Activity Levels of Target and Accessory Muscles with Changes in Machine Utilization and Load |
| 15 | Oanh Tran | AB | Effect Of Antibody Deficiency On Apoptosis in the Brains Of Alphavirus-Infected Mice |
| 16 | Larisa Breden | AB | Effect of Calpain on Na ⁺ /H ⁺ Exchanger Activity in Smooth Muscle Cells During Pulmonary Hypertension |
| 17 | Jelonia Rumph | AB | Cardiac Fibroblast Functionality Under the Influence of Th2 Cytokines During Autoimmune Myocarditis |
| 18 | Chanell Upshaw | AB | The Role of Nitrogen Sources in Aspergillus Fumigatus Germination |
| 19 | Amanda Loehr | AB | Therapeutic Potential of Degronimide-Conjugated Anaplastic Lymphoma Kinase Inhibitors in Neuroblastoma Cells |
| 20 | Eliana Crentsil | AB | A Study of the Behavior of Toxoplasma gondii in the 3D Microenvironment |
| 21 | Ayanna Crear | AB | Adaptation of Dry Collection Methods to Quantify Extraction Efficiency of Staphylococcus aureus from Environmental Samples |
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| 23 | Ilse Hernandez | AB | Development of Flavivirus Inhibitors |

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|----|-------------------------------|----|--|
| 24 | De’Von Cross | AB | Weight Loss Prediction Based on Hemoglobin A1C Levels |
| 25 | Devrick Thomas | AB | Collagen Alignment Post-myocardial Infarction in Sheep Scar Tissue |
| 26 | Alexander Monovich | BB | An Efficient Platform For Resistance Guided Natural Product Discovery |
| 27 | Hakeem Brooks | BB | Differences in Insula Connectivity in Autism Spectrum Disorder |
| 28 | Danielle Morency | BB | Contributions of Peripheral Somatosensory Neurons to Autism Spectrum Disorder Phenotypes |
| 29 | Alejandra Patino | BB | Optogenetic Modulation of Recognition Memory Via the Medial Prefrontal Cortex |
| 30 | Amit Mehrotra | BB | The Global Transcriptional Regulator CdnL is Required for Proper Pole Development in <i>Caulobacter crescentus</i> |
| 31 | Roberto Barroso-Luque | BB | Processing of Distinct Visual Information in a Rodent’s Visual Cortex |
| 32 | Carolina Gracia | BB | Establishing a Method to Examine Microtubule Bound Dynein-dynactin Supercomplexes |
| 33 | Christopher Reid | BB | Formation of Higher-Order Heterochromatin During Embryogenesis |
| 34 | Alan Wei | BB | Of Mice and Mixtures: The Importance of Reward and Experience in Learning an Odor-Guided Task |
| 35 | Stephanie Kabeche | BB | Towards the Structure of EC5-6 Domains of Clustered Protocadherins |
| 36 | Amelia Hallworth | BB | Characterization of Forkhead Transcription Factor Binding Specificity |
| 37 | Rachel Hitchens | BB | Quantifying the Proliferation of <i>Trypanosoma Musculi</i> in the Presence of Adherent Spleen Cells Using a Hemocytometer and MTT Assay |
| 38 | Almaris Figueroa | BB | Screening DIP-Gamma Expression in L3 Neuron Synaptic Partners Within the <i>Drosophila</i> Visual System |
| 39 | Boubacar Cherif | BB | The Bioluminescence Detection of HIV |
| 40 | Janai Williams | BB | The Morphological Impact of Pten on Mature Neurons |
| 41 | Alberto Lopez | BB | The Role of CR3 and CD14 in the Phagocytosis of <i>Pseudomonas Aeruginosa</i> |
| 42 | Linda Yarfi | BB | Understanding the Role of Histone H3 Serine 10 Phosphorylation in Asymmetric Histone Segregation in <i>Drosophila</i> Male Germline Stem Cells |
| 43 | Rafael Hamawi | BB | Investigating the Regulation of Myosin During T cell Activation |
| 44 | Danielle Boateng | BB | Development of a Cell Reporter to Probe Vascular Signaling |
| 45 | Terrance Mensah | BB | Localization of Sonic Hedgehog Receptors in Cortical Neurons During Development |
| 46 | Lorado Mhonda | BB | Genes Required to Sense Specific Amino Acids |
| 47 | Alexia King | BB | Characterization of AR Expression in Novel Murine Prostate Cancer Cell Lines |
| 48 | Jessica Lopez | BB | Neuron-Specific Deletion of DNER Down-Regulates the Norepinephrine Biosynthetic Pathway in Sympathetic Neurons |
| 49 | Michelle Moats | BB | Type 1 Alveolar Epithelial Cells in Cigarette Smoke-Induced Lung Injury |
| 50 | Matthew Maxwell | BB | Identifying Potentially Oncogenic Downstream Targets of the Hippo-YAP Signaling Pathway in a Liver Cancer Cell Line |
| 51 | Jamaarl Mercado Rivera | BB | Investigating the In vivo Role of Protein N-Terminal Acetylation During Meiosis in <i>C.elegans</i> |
| 52 | Alexander Salazar | ES | How a Short Winter Affects the Developmental Rate of Wood Frogs |
| 53 | Eniola Sodeke | HU | The Life of Kim: The Effects of African American on Korean National Identity |
| 54 | Jessica Thomas | PS | Investigating Mechanochromic Luminescence |
| 55 | Tanquez Willis | PS | Expressing and Purifying Recombinant Opa Protein |
| 56 | Eddy Lontchi | PS | Development of Methods to Examine Enantioselectivity |

| | | | |
|----|----------------------------------|----|---|
| 57 | Jordan Glisan | PS | What the Milky Way Structure Tells Us About Dark Matter |
| 58 | Tyler Camp | PS | ARM and HMMER: Identifying Sequence Homologs on the ARM Architecture |
| 59 | Maria Villanueva | PS | Expressing, Purifying, and Refolding Recombinant Neisserial Opa Protein |
| 60 | Angelo Khan | PS | Determining Methods for Measuring Mechanosensitive Adenosine Using Fast-Scan Voltammetry In situ |
| 61 | Selena Castro | PS | The Role of Sirtuin 2.3 in the Neurodegeneration of <i>C. elegans</i> |
| 62 | Dwight Bland | PS | Dual Heterojunction of Bismuth Vanadate for Enhanced Photoelectrochemical Water Splitting |
| 63 | Samuel Honore | PS | Development of Activity Based Protein Profiling Based Platform for Reversible Compound Identification |
| 64 | Natalia Ayala Muniz | PS | The High Resolution 3D single-particle Reconstruction of Small Proteins |
| 65 | Asad Beck | SS | Cognitive Motivation in Healthy Aging: Effects of Primary and Secondary Incentives |
| 66 | Robert Jirsaraie | SS | The Association of Brain Structure on Cognitive Impairments and Positive Symptoms in Schizophrenia |
| 67 | Jennifer Villa | SS | Age Related Variation in Symptoms, Cognition, Brain Structure and Functional Connectivity in Psychosis |
| 68 | Kalen Kennedy | SS | Sex, Race, and Dominance: How Social Dominance Orientation Mediates the Racial Component of Ambivalent Sexism |
| 69 | Moriah West | SS | The Relation Between Racial and Cultural Socialization Practices and Child Cognitive and Behavioral Outcomes |
| 70 | Edgar Cruz | SS | 1997 Longitudinal Study: Latino/a Education Attainment Factors |
| 71 | Dior-Ashton Teodosio | SS | Semantic vs. Phonological Errors During False Memory: Misperceptions Reveal Differential Use of Context by Older and Younger Adults |
| 72 | Narda Salinas | SS | Second Language Vocabulary Acquisition by Older and Younger Adults: Native vs. Non-Native Accents |
| 73 | Ranisha Logan | AB | Using Sputum Biomarkers to Diagnose Respiratory Infections |
| 74 | Gregory Zaborski | EN | Combustion Chemical Kinetics Analysis Of Jet Fuels With A Shock Tube |
| 75 | Mariam Ahmed | EN | Determining the Reactivities of Coal and Biomass Chars When Exposed to Reactive Gases at Selected Temperatures and Pressures |
| 76 | Javier Macossay-Hernández | EN | Characterization of Vacuum Chamber and Developing Matching Networks |
| 77 | Eduardo Alvarez | EN | Shock Tube Gasdynamics Simulation of a Varying-Diameter Tube |

New Doctoral Scholars

The Leadership Alliance congratulates the following doctoral scholars who have completed their PhDs and MD-PhDs. These doctoral scholars bring the total number of Leadership Alliance doctoral scholars to 385.

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PhD, 2010, Cornell University

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BS, 2002, UPR-Rio Piedras
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BS, 2008, Macalester College
PhD, 2014, University of Maryland,
College Park

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BS, 2007, UPR-Humacao
PhD, 2014, University of Rochester

Laura Castro-Schilo, PhD

BS, 2008, CSU Fullerton
PhD, 2013, UC Davis

Michelle Cruz-Santiago, PhD

BS, 2005, Hunter College
PhD, 2012, University of Illinois
at Urbana-Champaign

Brittney Davis, PhD

BS, 2009, Jackson State University
PhD, 2015, University of Maryland,
Baltimore County

Stephanie Dusaban Gonzales, PhD

BS, 2009, Cornell University
PhD, 2015, UC San Diego

Lauren Eldridge, PhD

BS, 2010, Spelman College
PhD, 2016, University of Chicago

Ashley Farmer, PhD

BS, 2006, Spelman College
PhD, 2013, Harvard University

Heather Flores, PhD

BS, 2005, University of Nebraska-Lincoln
PhD, 2013, Cornell University

Josué Flores-Kim, PhD

BS, 2009, UPR-Mayaguez
PhD, 2014, New York University

Yaihara Fortis-Santiago, PhD

BS, 2005, UPR-Rio Piedras
PhD, 2012, Brandeis University

Adom Getachew, PhD

BS, 2009, University of Virginia
PhD, 2015, Yale University

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BS, 2007, CSU San Bernardino
PhD, 2012, Vanderbilt University

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BS, 2007, UPR-Rio Piedras
PhD, 2013, Northwestern University

Camille Hardiman, PhD

BS, 2007, University of Pennsylvania
PhD, 2013, Yale University

Shalena Heard, PhD

BS, 2009, Spelman College
PhD, 2014, Lehigh University

Avis Jackson, PhD

BS, 2008, Morgan State University
PhD, 2015, Morgan State University

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BS, 2006, University of Maryland,
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PhD, 2013, Yale University

Joslynn Lee, PhD

BS, 2008, Fort Lewis College
PhD, 2014, Northeastern University

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BS, 2010, University of Rochester
PhD, 2016, University of
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BS, 2006, University of Delaware
PhD, 2013, University of Arizona

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PhD, 2015, Lehigh University

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Who's Who at the Symposium



Dr. George E. Aninwene II

Northeastern University

My undergraduate research experiences included a nanotechnology internship at Rutgers University while I was in high school, a bacterial biofilm adhesion study at my undergraduate institution the University of Maryland, Baltimore County (UMBC), and three separate Leadership Alliance summer research experiences (two at Brown University and at Eli Lilly). I began my PhD in biomedical engineering under Thomas J. Webster at Brown University, and completed it under him after he moved to Northeastern University. During my PhD I researched nano-scale methods to reduce infection and undesirable bio-adhesions on implanted medical devices, as well as methods to increase medical implant biocompatibility. After I graduated, I worked on a Postdoctoral project using Generalized Q-space imaging (GQI) to understand the complex fiber structure of Muscular Hydrostats such as the heart and the tongue. The goal of this investigation was to understand the muscular architecture and attempt to recapitulate the tissue complexities using 3D tissue printing methods. This project showed me many of the gaps in the field of bio-printing, and it inspired my desire to push the field of 3D tissue printing past the levels of just basic concept. My current focus is finding a research group that I can work with to develop novel innovative 3D printed cellular constructs that can be used in both the field of basic science as well as translational medicine.



Earnestine Baker

University of Maryland, Baltimore County

Earnestine Baker is the retired Assistant to the Vice President of Institutional Advancement and serving currently as the Executive Director of the Meyerhoff Scholarship Program at the University of Maryland, Baltimore County (UMBC). She joined UMBC in 1983 as the Coordinator of Minority Recruitment in the Office of Admissions. Between 1987 and 1992 she served as Associate Director for Scholarships at the University. In 1992, Mrs. Baker was appointed Director of the Meyerhoff Scholars Program, a nationally recognized program for talented students interested in pursuing terminal degrees in the sciences, mathematics, and engineering and computer science. In July, 2009 – *Science*, the leading journal of scientific research, news and commentary, recognized UMBC's Meyerhoff Scholars Program as a national model demonstrating "what it takes" to help more minority students earn science degrees. The Meyerhoff Scholars Program was presented as one of the blue ribbon reports to Congress October, 2003. With a delegation of members of Minority Access, Inc. the Program was represented by Mrs. Baker at the Central University of Nationalities in Beijing, China July 2008 and May 2015 she presented the Program at The Global Symposium on Social Sciences in Bali, Indonesia. The University System Maryland (USM) Board of Regents selected Mrs. Baker as the USM Outstanding Staff Member for service to its community in July 2008. Mrs. Baker served as the Director of the Meyerhoff Scholars Program at UMBC for ten years and was appointed the Executive Director of the Program in 2002. Mrs. Baker serves on several STEM Advisory Boards and participated in the 2012 College Completion Symposium with the U.S. Secretary of Education, Arne Duncan and has held various positions in education, including High School Teacher (Lancaster City Schools, Lancaster, PA), Middle School Chemistry Teacher (Alief Independent School District, Houston, TX), and Adjunct Instructor of Upward Bound Program (Millersville State University, Millersville, PA) and a Cooperative Extension Service Agent (Virginia Tech, Blacksburg, VA).



Geneva H. Baxter

Spelman College

Geneva H. Baxter, Associate Dean for Undergraduate Studies, assists in providing oversight for the development and implementation of academic standards, policies, and programs. She also works with other offices to provide academic support services for students. She coordinates academic advising for first-year students and the First-year Experience Seminar. She also oversees the College's First-generation Student Success and Leadership Initiative. A member of several professional and civic organizations, Dr. Baxter received her BA degree in English from Spelman College, MA degree in American Literature from the University of Wisconsin and her PhD in American Literature and Rhetoric from Georgia State University.



Anastacia Berzat

Novartis Institutes for BioMedical Research

Anastacia Berzat joined Novartis Institutes for BioMedical Research following completion of a postdoctoral fellowship at Memorial Sloan-Kettering Cancer Center. As Associate Director, her work includes the development and implementation of training and mentorship programs for young scientists. Prior to joining NIBR, Anastacia earned a BS in Biology from Florida A&M University and a PhD in Genetics and Molecular Biology from the University of North Carolina at Chapel Hill. As a recipient of graduate fellowships from the National Cancer Institute and UNC-CH, her work examined the molecular mechanisms utilized by small GTPases in regulating cellular transformation. At Memorial Sloan-Kettering, Anastacia was awarded an American Cancer Society fellowship to investigate the role of Rho GTPases in driving glioma invasion under the guidance of the late Professor Alan Hall. Anastacia also completed a program management internship with the New York Academy of Sciences and served as an executive member on several postdoctoral advocacy councils during her fellowship.



Elizabeth Bowman

Vanderbilt University Medical School

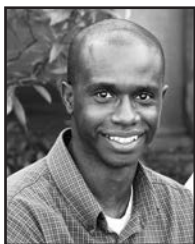
Dr. Elizabeth Bowman is an Assistant Professor of Medical Administration in the Vanderbilt University Medical School. As the Assistant Director of Graduate Programs in Biomedical Sciences, Dr. Bowman is primarily responsible for graduate student recruitment and admissions. Dr. Bowman also serves as co-Director of the Vanderbilt Summer Science Academy, an undergraduate research program with over 100 students. Dr. Bowman received her Ph.D from the Biochemistry, Cell, and Developmental Biology program at Emory University in 2013.



Travis D. Boyce

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Dr. Travis D. Boyce (2001 Yale University SR-EIP fellow) is an Associate Professor of Africana Studies and the Faculty Fellow for the Office of Undergraduate Research at the University of Northern Colorado. He holds a Ph.D. in Cultural Studies from Ohio University. Although his expertise is in African American university presidents during the mid-20th century, he also has research interests in the U.S. during Reconstruction, contemporary U.S. History, African diasporic studies, as well as film, popular culture and sports studies. He has articles and book reviews published in various peer viewed journals and chapters published in edited books. He recently completed a book manuscript titled *Historicizing Fear* that is in contract with University Press of Colorado and currently working on a biography of Benner C. Turner, former president of South Carolina State University 1950-67.



Joseph Brown

Stanford University

Joseph Brown currently has two positions at Stanford University: Graduate Diversity Recruitment Officer for the School of Humanities and Sciences and Director of Diversity & Associate Director of the Diversity & First-Gen Office. He received his B.S. degree in physics from Southwest Texas State University and an Sc.M. degree in biomedical engineering from Brown University. After working for IBM as a marketing representative he was admitted to the PhD program in social psychology at Stanford University. His graduate work focused on the influence of stereotypes and prejudice on the intellectual identities and performance of women and minorities.



Don Brunson

Vanderbilt University

Dr. Don Brunson is the Assistant Dean of the Vanderbilt University Graduate School and the Director of the Graduate School's Enhancing Diversity in Graduate Education Program. He is responsible for leading recruitment and retention efforts for Ph.D. students from under-represented minority groups and other diverse student populations in all fields of study and women Ph.D. students majoring in science, technology, engineering, or mathematics fields. He was a MARC Honors Undergraduate Research Training Program at Morgan State University and attended the Massachusetts Institute of Technology (MIT) on a MARC graduate fellowship where he became the first African-American to earn a Ph.D. in Toxicology from MIT. After completing a two-year post-doctoral fellowship in the Department of Pharmacology and Molecular Sciences at the Johns Hopkins University School of Medicine, he altered his career path from scientific research to university administration and has held administrative positions at MIT, Morgan State University, and Vanderbilt University.



Sarah E. Cornish

University of Northern Colorado

Sarah E. Cornish is an Assistant Professor of English at the University of Northern Colorado where she teaches courses in transatlantic modernism and the middlebrow, film studies, and the digital humanities. She was on the organizing committee for "Digital Diversity," a DH conference to celebrate the 20th anniversary of the Orlando text base, held in 2015 in Edmonton. At UNC, Sarah teaches faculty workshops on digital pedagogy and innovative research. Sarah is co-founder of the Feminist inter/Modernist Association, and her scholarship focuses on the modern city, urban subjectivity in modernist and middlebrow texts, and women writers of the interwar period. Her work has been published in the *Virginia Woolf Miscellany*, *Woolf Studies Annual*, and *The Rocky Mountain Review*. She co-edited *Woolf and the City: Selected Papers from the Nineteenth Annual Conference on Virginia Woolf* (Clemson UP, 2010). You can follow her on twitter @secornish.



Fernando Cruz-Guilloty

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While completing his college degree in Industrial Biotechnology from the University of Puerto Rico at Mayaguez, Fernando was able to participate in several summer research programs aimed at increasing minority participation in the STEM fields, including the Leadership Alliance at Harvard Medical School (HMS). These experiences exposed Fernando to the field of immunology, and he credits several great mentors that helped his academic growth. In 2008, Fernando obtained a Ph.D. from HMS in the lab of Dr. Anjana Rao, where his research focused on basic studies of the immune system. After postdoctoral studies in the lab of Dr. Victor Perez at the Bascom Palmer Eye Institute, Fernando transitioned to a career in industry, working as a Research Scientist at Immucor, a leading medical devices company in the area of blood transfusion. Currently, Fernando leads a new R&D group to develop a next-generation microarray-based platform for blood typing and screening.



Denise Ellis

Alfred P. Sloan Foundation's Minority Graduate Scholarship Programs

Denise Ellis is the Program Manager for the Alfred P. Sloan Foundation's Minority Graduate Scholarship Programs, which NACME has administered since 2001. Since 2012, Mrs. Ellis has been responsible for the management of all aspects of the Minority Ph.D. (MPHD) and the Sloan Indigenous Graduate Partnership (SIGP) Programs, representing a portfolio of scholarship programs totaling \$50 million. Mrs. Ellis has more than 15 years of experience in educational and non-profit organizations, having served as financial administrator for the New York City Department of Education and as Budget Director for the US Fund for UNICEF prior to joining NACME. She holds a B.A. degree in Languages & Linguistics from the University of the West Indies and an M.B.A in Finance from Baruch College, City University of New York.



Karina Evora

Vanderbilt University

A graduate from the Master of Education in Higher Education Administration program from Peabody College at Vanderbilt University, Karina Evora earned her bachelor's degree at the University of Miami in 2012, by way of Bryant University. Though she graduated with a concentration in Economics, she built a strong desire to work in the realm of education after several related experiences throughout her undergraduate career; namely the Upward Bound Program at Rhode Island College and the Kalulu Program at the University of Miami. These experiences have led to her position with the College Advising Corps at Brown University where she advised students of Charles E. Shea High School in Pawtucket. This work was specific to guiding students through the college application process but also to building a college going culture and providing early awareness to the underclassmen. Karina also spent multiple summers working with The Leadership Alliance as the Leadership Alliance National Symposium (LANS) Project Assistant, where the emphasis of higher education and research opportunities for underrepresented students stimulated her decision to enroll in a post-baccalaureate program. Karina currently works on improving college access for underrepresented and low-SES background students.



Mónica Feliú-Mójer

Ciencia Puerto Rico

Dr. Mónica Feliú-Mójer grew up in rural Puerto Rico, surrounded by nature and with a cow in her backyard, which sparked her interest in all things biology. A scientist-turned-communicator, she leverages online technologies to make science and scientists accessible to all. Her work focuses on empowering individuals from underrepresented communities, particularly Latinos, through bilingual science outreach, communication and education efforts. Mónica has a bachelor's degree in Human Biology from the University of Puerto Rico in Bayamón and a Ph.D. in Neurobiology from Harvard University. She is the vice-director and news editor-in-chief of Ciencia Puerto Rico, a non-profit organization using social networks to engage Latino scientists in mentoring, communication, outreach and education. Mónica is also the Science Outreach Program Manager for iBiology, a non-profit organization that produces and distributes free online videos about research and the process of science featuring the world's leading biologists. You can find her on Twitter @moefeliu.



Yaihara Fortis Santiago

Science Alliance

Dr. Yaihara Fortis Santiago is the director of the Science Alliance, the professional development branch of the New York Academy of Sciences. Dr. Fortis develops and implements innovative workshops, seminars and courses that provide early career scientists with a range of skills that will be essential for all careers. She also works closely with the career development offices at many of Science Alliance partner Institutions, as well as with the student and postdoc led organizations to consolidate resources and implement new ideas for professional development programming.

Dr. Fortis obtained her bachelors' from the University of Puerto Rico and her doctorate from Brandeis University. Her doctoral work explored the role of multisensory integration in taste processing. In 2014, she completed the American Association for the Advancement of Science, Science and Technology Policy Fellowship at the National Science Foundation. In 2004, Dr. Fortis participated in the Leadership Alliance SREIP program at Columbia University.



Isabel Geathers

Columbia University

Isabel Geathers is the Assistant Dean for Academic Diversity at the Graduate School of Arts and Sciences at Columbia University, a position that oversees the management of the Office of Academic Diversity as well as all diversity programming for the Graduate School of Arts and Sciences. She is responsible for the recruitment and retention of under-represented students across all Arts and Sciences graduate departments and programs. She is the Program Director for Columbia University's Summer Research Program, and she also serves the Leadership Alliance as Columbia University's Institutional Coordinator.

Dr. Geathers received her B.A. degree in English and Classics from Washington University in St. Louis. She graduated with her Ph.D. in English from the University of Pennsylvania and went on to complete postdoctoral work at Princeton University. Her research is centered in contemporary American and African American literature with a specialization in aesthetic theory and genre theory. Dr. Geathers has held positions with the McNair Scholars Program and is the former Senior Associate Director of the Institute for Recruitment of Teachers.



Leislle Godo-Solo

Institute for Recruitment of Teachers

Ms. Godo-Solo has served as the Education Program Specialist/Associate Director of the Institute for Recruitment of Teachers (IRT) since 2002. In this role, Leislle recruits and selects IRT scholars, counsels those in education fields regarding their school lists, and advises and supports a group of 25-30 students as they prepare their graduate application materials. She holds a B.A. in Spanish from Cleveland State University and a M.A. degree in Spanish Literature from the University of Rhode Island. In 2007, Ms. Godo-Solo completed a Specialist of Education (Ed.S.) degree in Counseling and Student Affairs from

Western Kentucky University. Her thesis, "*Success Rates of Minority Educator Recruitment and Retention (MERR) Scholarship Recipients and Other Education Majors*," documents the efficacy of the MERR Scholarship Program and the importance of teacher education pipelines. She is a proud alumna of IRT (class of '91) and deeply passionate about educational access as it pertains to recruitment and completion of graduate degrees, mentoring, and best practices regarding programs that ensure students' success in graduate school.



Amber B. Hodges

Morgan State University

Amber B. Hodges, Ph.D. is an Associate Professor in the Department of Psychology at Morgan State University. Her current research examines factors and barriers impacting STEM-efficacy and persistence in minority students. Dr. Hodges was a fellow in the Leadership Development Institute supported by the Quality Education for Minority Network and the National Science Foundation. Additionally, she earned a Post-Graduate Certificate in Academic Leadership from The Chicago School of Professional Psychology through the Opportunities for Underrepresented Scholars Program funded by the National Science

Foundation. Dr. Hodges earned her Ph.D. in Psychology from the Graduate School and University Center, The City University of New York (CUNY). She holds an M. Phil in Psychology from the Graduate School and University Center, CUNY, and a B.S. in Psychology from Bennett College. She recently co-authored a chapter describing successful mentoring models undergirded by psychology theories.



Keisha John

University of Virginia

Dr. Keisha John is Director of Diversity Programs at the University of Virginia. In this role she collaborates with various university offices to lead and coordinate university-wide activities designed to recruit, mentor and foster success among a diverse body of graduate and professional students, as well as postdoctoral scholars. Prior to her position at UVA she served as the Assistant Dean and Director of the Office of Graduate Funding and Awards as well as the Director of the Office of Postdoctoral Affairs at Florida State University. She earned her Ph.D. from The Watson School of Biological Sciences at Cold

Spring Harbor Laboratory and completed a postdoctoral appointment at Rockefeller University. She is always available to speak with students regarding their trajectory and future plans.



Marcus Jones

Human Longevity, Inc.

Dr. Jones is the Sequencing Research Microbiome Lead and Life Cycle Management lead in the Integrated Genomics group at Human Longevity, Inc. HLI combines technology and genomics, the study of a specific and complete set of DNA, to revolutionize the way diseases are diagnosed and treated. Dr. Jones has established and optimized specimen collection, nucleic acid purification, library preparation and sequencing for all microbiome samples. His efforts have increased DNA/RNA extraction capacity at HLI to more the 100,000 microbiome specimens per year. In addition to laboratory experiences, Dr.

Jones works closely with the HLI informatics team to integrate, model and analyze metagenomic data and phenotype data from all microbiome cohorts. Dr. Jones previously was an Assistant Professor in the Genomic Medicine and Infectious Disease departments at the J. Craig Venter Institute (JCVI), where he served as team leader for all transcriptomics and genome sequencing projects in the NIAID funded Pathogen Functional Genomics Resource Center (PFGRC) at JCVI. His responsibilities included use of automation solutions to support production of microarray technology, generate whole genome and RNASeq libraries, operate production grade microarray printers, perform and monitor QC of all microarray slide lots from model organisms, perform complete genome qRT-PCR of in vivo infection models, write standard operating procedures, and analyze and communicate all generated data to collaborators. Dr. Jones also managed a system biology contract funded by NIAID for characterizing the host-pathogen interactions of *Y. pestis* and *S. enterica* by applying RNA sequencing, ChIP-chip/ChIP-Seq and metagenomic sequencing in model systems. Dr. Jones also served as the transcriptomics lead for a Malaria infection model project, where he characterized the human transcriptome and gut microbiome of human subjects infected with *Plasmodium falciparum*. Dr. Jones holds a B.S. from Southern University & A&M College in Baton Rouge, Louisiana (where he's been inducted into their STEM Hall of Fame) and in 2005 earned his Ph.D. in microbiology from the Sackler Institute at New York University School of Medicine. He was awarded as the Principal Investigator a research award from the Defense Threat Reduction Agency (DTRA) for \$5.1M to study antibiotic resistance in *Burkholderia* sp. and he has co-authored more than 35 peer-reviewed articles. Outside of the lab, Dr. Jones enjoys running and swimming, and he is currently training for the New York City Marathon in November.



W. Marcus Lambert

Weill Cornell Graduate School of Medical Sciences

Dr. W. Marcus Lambert is currently Director of Diversity and Student Services at Weill Cornell Graduate School of Medical Sciences and Adjunct Assistant Professor of Microbiology at New York City College of Technology. At Weill Cornell, he is responsible for diversity initiatives, science outreach, housing, and immigration services for more than 400 biomedical Ph.D. students. He serves as an advisor to a number of student and professional organizations and sits on university review boards for Title IX, Student Life, and Diversity. His current research interests include identifying determinants of STEM student success

in higher education.



Renita Miller

Princeton University

Renita Miller is the Director of Studies at Princeton University. Dr. Miller is also working with the graduate school at Princeton, directing the Princeton Summer Undergraduate Research Experience (PSURE) this summer. In her role as director of studies, she is responsible for managing, training and professional development of Princeton faculty academic advisers. She is also responsible for academic programming and advising for freshmen and sophomores. She received her Bachelors in Business Administration from Baylor University and her Masters and Ph.D. from Rice University in Political Science. Her research focuses on understanding the influence of race and gender in political institutions with a particular focus on political rhetoric, deliberation, and leadership within state legislatures. Prior to Princeton, she taught in the political science department at Texas A&M and Rice University. She was also a research fellow for the Project of Equity, Representation, and Governance at Texas A&M and the Kinder Institute of Urban Research at Rice University. Dr. Miller also has work experience as an education policy consultant and pharmaceutical sales representative and trainer.



Michelle Nearon

Yale University

Dr. Michelle Nearon is Associate Dean for Graduate Student Development and Diversity at Yale University. She provides the strategic vision and leadership to build and maintain a supportive campus community where graduate students from diverse backgrounds and experiences are supported in their intellectual, social, and professional pursuits. Dr. Nearon earned her B.S. and M.S. degrees in aerospace engineering from the Massachusetts Institute of Technology and Brooklyn Polytechnic University, respectively. After completing her Master's degree she devoted approximately ten years to both the aerospace and automotive industries. She returned to academia and earned a Ph.D. in Mechanical Engineering at Stony Brook University with a specialty in fluid mechanics. She remained at Stony Brook University as a Turner Postdoctoral Fellow studying turbulence modeling before being offered an Assistant Professorship in the Department of Mechanical Engineering. She joined the Yale community in 2008.



Chinonye Nnakwe

National Science Foundation

Chinonye "Chi-Chi" Nnakwe is a molecular biologist and is currently an American Association for the Advancement of Science (AAAS) Science and Technology Policy Fellow on assignment at the National Science Foundation (NSF) within the Directorate for Computer and Information Science Engineering. At NSF, Chi-Chi is working with the I-Corps™ program to broaden participation in I-Corps™ programs and activities and is helping to design a mentor network for entrepreneurs. She is also pursuing research questions that address the intersection of entrepreneurship, science identity and retention in the STEM workforce. Chi-Chi studied the role of epigenetics in DNA damage signaling and cell cycle regulation in *Saccharomyces cerevisiae* (Baker's yeast). After completing her graduate work, she became a management consultant for Campbell Alliance and provided strategy services to pharmaceutical and biotech companies. She was then called to pursue a more personal mission of empowering individuals from populations traditionally underrepresented in STEM fields to become the leaders of the future. For four years she worked in the Office of the Provost at the University of Chicago as the inaugural Director of Graduate Diversity Initiatives. Among her many duties, she ran the Leadership Alliance Summer Research Early Identification Program (SR-EIP), helped create multi-institutional initiatives like the SPINES Neuroscience Symposium with the Marine Biological Laboratory (MBL) and lead the effort to create the National Research Mentoring Network-CIC Academic Network (NRMN-CAN) with the Committee on Institutional Cooperation (CIC). Chi-Chi obtained her B. Sc. In Biochemistry with Departmental Distinction from the University of Illinois at Urbana-Champaign and her Ph. D. in Pathology from the University of Chicago.



Joel D. Oppenheim

New York University

Presently Dr. Joel D. Oppenheim is Professor Emeritus of Microbiology and also serves as the Diversity Advisor to the Office of Science Research at the NYU School of Medicine. From 1994 -2014 he was the Senior Associate Dean of the Medical Center where he oversaw all PhD and Postdoctoral programs. For the past 24 years he has served (and continues to serve) on the NYU School of Medicine's MD and MD/PhD Admissions Committees and previously chaired the PhD Admissions (1994-2014). He was the founder and director of the NYU's Summer Undergraduate Research Program (1990-2013) and of the "What Can You Be With a PhD?" Symposium (1995 – 2013), the largest university based career development program for predoctoral students and postdoctoral fellows in the country. He has served on many national advisory committees (AAMC, NIH, NRC, NSF, ASM, Leadership Alliance, and UNCF/Merck), grant study sections (NCATS, NIAID, NIGMS, NSF, Sloan Foundation, UNCF/Merck), as a reviewer of numerous NRC, NSF and NAS reports involved with graduate education, pipeline issues and the recruitment and retention of underrepresented students to graduate programs. He also has served (serves) on the external advisory boards and program review boards of a number of state and national accrediting agencies, colleges and universities. Dr. Oppenheim has been an invited speaker to over 70 colleges and universities, at the NRC, NSF and NIH as well as at ABRCMS, Leadership Alliance, McNair, SACNAS and UNCF/Merck national meetings, speaking to students and faculty on topics ranging from how to prepare for and apply to graduate and professional schools, to strategies for the recruitment and retention of students and career options. In 2010 Dr Oppenheim was the recipient of the AAAS (American Association of the Advancement of Sciences) Life Time Mentoring Award, one of the nations highest mentoring awards. Dr Oppenheim was also one of the founding members of the Leadership Alliance in 1992.



Chloe Poston

Genetics Society of America

Dr. Chloe Poston is a science policy professional with a personal passion for scientific workforce diversity. She earned her doctorate in Bioanalytical Chemistry from Brown University, where she served as the President of the Black Graduate Student Association and the Graduate Representative for the Diversity Advisory Board. Poston completed an industrial post-doc at Eli Lilly and Company and pursued at AAAS Science and Technology Policy Fellowship. As a fellow, she worked with 13 government agencies to address scientific workforce challenges at all levels of education. Dr. Poston is continuing her policy work as the Policy and Communications Manager for the Genetics Society of America and regularly serves as a mentor and coach for graduate students looking to pursue non-traditional careers.



Patricia Rea

University of Pennsylvania

Patricia Rea is the Associate Director for Admissions in the Graduate School of Arts and Sciences, and is responsible for recruitment and admissions of one of the largest schools at Penn. She is also the program director of The Leadership Alliance for the Humanities and Social Science programs. She has been at Penn over 30 years and has helped many new students navigate through the graduate experience from admissions, financial and graduation.



Landon Reid

Hughes Hubbard

Landon D. Reid is an associate in Hughes Hubbard's New York office. Dr. Reid's practice focuses on various aspects of commercial litigation, antitrust, criminal and regulatory defense matters. Prior to joining Hughes Hubbard, Dr. Reid was a professor of social psychology. Dr. Reid is an expert in the design, analysis, and interpretation of research in the social/behavioral sciences, statistics, the perception of discrimination, and the evaluation of organizational climate. He has published and spoken on the intersection of identity and the cognitive determinants of perception. Finally, Dr. Reid has significant experience conducting both quantitative and qualitative assessments of organizational climate and culture in order to assess compliance efforts and the efficacy of administrative programs and procedures.



Matthew Roller

Johns Hopkins University

Matthew Roller, PhD, is a Professor of Classics and Vice Dean for Graduate Education, Centers, and Programs in the Krieger School of Arts and Sciences at Johns Hopkins University. His research and teaching fall into the fields of Latin literature and Roman cultural history, philosophy, and art. He has written two books—*Constructing Autocracy: Aristocrats and Emperors in Julio-Claudian Rome* (Princeton University Press, 2001), and *Dining Posture in Ancient Rome: Bodies, Values, and Status* (PUP, 2006)—as well as numerous articles, chapters, and shorter studies. He is completing the manuscript of

his latest book, *Models from the past in Roman culture: a world of exempla*, and beginning a new project on the forms that aristocratic competition assumes in the Roman Imperial age. He has received fellowships from the Institute for Research in the Humanities at the University of Wisconsin-Madison, the American Council of Learned Societies, and the Alexander von Humboldt Foundation.



Yisa Rumala

University of Michigan

Dr. Yisa Rumala is currently a Senior Optical Engineer with Northrop Grumman Corporation-AOX, and a Visiting Scholar with the University of Michigan, Ann Arbor. Prior to these positions, he was a Senior Research Associate at the City University of New York (CUNY). He earned his PhD in Applied Physics and MSE degree in Electrical Engineering from the University of Michigan, Ann Arbor, in addition to a BS degree in Physics and Mathematics, with highest honors from York College-CUNY. Dr. Rumala has published numerous papers in leading academic journals and conference proceedings, and regularly

serves as a peer reviewer for leading journals. He also served as a panelist to review proposals, grants, and scholarships for the National Science Foundation and the Optical Society of America. Among his many honors include the 2012 Chancellor's Decade of Science Alumni Academic Achievement award for exemplary achievements in the Science, Technology, Engineering, and Mathematics disciplines.



Joel F. Schildbach

Johns Hopkins

Joel Schildbach has been a faculty member in the Krieger School of Arts and Sciences at Johns Hopkins since 1996, where he is a professor of biology and vice dean for undergraduate education. Professor Schildbach has run the NSF-funded BioREU program since 2009, and served as a summer program coordinator since 2007. His research focuses on the structural biology of bacterial conjugation, facilitating dissemination of drug resistance and virulence factors throughout bacterial populations.

A nationally recognized innovator in life sciences education, he has mentored scores of undergraduates and was named a 2012 Vision and Change Leadership Fellow by PULSE (Partnership for Undergraduate Life Sciences Education), a joint NSF, HHMI, and NIH initiative. Professor Schildbach earned his BA in microbiology from Oregon State University and his PhD in immunology from Harvard University. He completed his postdoctoral work at the Massachusetts Institute of Technology.



Nancy Schwartz

University of Chicago

Dr. Nancy Schwartz is Dean for Postdoctoral Affairs and Co-director of the Office of Graduate Affairs, having served as Dean for Graduate and Postdoctoral Affairs in the Division of Biological Sciences for more than 25 years. She has served on several NIH study sections, foundation review boards and editorial boards, the AAMC-GREAT Steering Committee, Chair of both Graduate Deans and Postdoc Leaders groups, and the Founding Advisory Board of the NPA. She is director of the Kennedy Research Center, the NICHD M.D./Ph.D. training Program, HHMI Med into Grad Program, and NIGMS PREP,

IMSD, and NRMN-CAN. She has had continuous NIH R01 research funding, received both a MERIT award and a Mentor of Excellence from NIH, and is Director of an NIH Program Project. Dr. Schwartz's functions and responsibilities in graduate and postdoctoral education and program administration have focused on evolving and complex educational needs of emerging researchers in the life sciences.



Rochelle Smith

Washington University in St. Louis

As Assistant Provost at Washington University in St. Louis, Rochelle Smith supports faculty diversity and recruitment in STEM, enhances the coordination of and support for the University's growing pipeline initiatives, and leads Washington University Diversity Pipeline Consortium-STEM. Rochelle directs the University's partnership with Leadership Alliance. She coordinates PLAN, the leadership development program for professional administrators at Washington University. Rochelle is the Bias Report and Support System (BRSS) Liaison for the medical school and is the Director of Diversity, Summer Programs and Community Outreach for Washington University's largest graduate program, the Division of Biology and Biomedical Sciences.



Naoko Tanese

Sackler Institute of Graduate Biomedical Sciences

Naoko Tanese PhD, Professor of Microbiology, received her PhD in Biochemistry from Columbia University studying the replication of retroviruses with Dr. Stephen Goff, and trained as a postdoctoral fellow at UC Berkeley with Professor Robert Tjian where she performed innovative work on transcriptional regulatory mechanisms. Continuation of this research at NYU as an independent investigator has led to numerous scientific collaborations with faculty studying cancer, developmental biology, virology, neuroscience, and stem cells. Since joining the NYU faculty in 1993, Dr. Tanese was appointed Co-director of the Medical Scientist Training Program in 2010, and Director of Basic Science Faculty Mentoring in 2013. Through these channels she plays an instrumental role in advancing the careers of many young scientists. Her current research focuses on the molecular basis of Huntington's disease, a devastating inherited neurodegenerative disease. In May 2014, Dr. Tanese was appointed associate dean for Biomedical Sciences and director of the Sackler Institute of Graduate Biomedical Sciences, which oversees NYU School of Medicine's PhD, MD/PhD, and Summer Undergraduate Research Programs. She leads recruitment and retention for all programs to ensure that recruits receive outstanding training throughout their tenure, from coursework and matching with the right faculty mentors to career development.



Sheila Thomas

Harvard University

Sheila Thomas is a faculty member in the Division of Medical Sciences (DMS) PhD Programs and Department of Medicine at Harvard Medical School and Associate Dean for Academic Programs and Diversity for the Graduate School of Arts and Sciences (GSAS). Her research interests are in cancer cell signaling; and she is actively involved in teaching and advising students in the DMS PhD programs and actively sits on the admissions committees for PhD programs in the sciences and MD/PhD program and engages with admissions committees for PhD programs across the social sciences and humanities. As Dean, she oversees diversity efforts for Harvard's 57 PhD programs. She directs the Summer Honors Undergraduate Research Program (SHURP), Summer Research Opportunities at Harvard (SROH) and the Graduate School's post-baccalaureate program, GSAS Research Scholar Initiative (Economics, Life sciences and Population Health Sciences). Dr. Thomas received her BA in Biochemistry and Molecular and Cellular Biology from Northwestern University, her PhD in Molecular Genetics from University of Pennsylvania, and did her post-doctoral training at Fred Hutchinson Cancer Research Center.



Scharri Ezell Walker

Tougaloo College

Dr. Scharri Ezell Walker, a native of Jackson, Mississippi, is a proud alumna of Tougaloo College. During her tenure as an eaglet, Dr. Walker was selected to serve as a scholar for The Ronald E. McNair Program, the Jackson Heart Study, the Historically Black Colleges and Universities Undergraduate Program (HBCU-UP) and the Leadership Alliance. Collectively, it was these experiences that ignited her passion for teaching and cancer research. Upon graduating from Tougaloo College with a B.S. in Chemistry, she went on to pursue a doctoral degree in Pharmacology/Toxicology (with an emphasis in Cancer Research) at the University of Alabama - Birmingham. After completing her dissertation at UAB, Dr. Walker went on to conduct cancer research at Eli Lilly and Company, a pharmaceutical company in Indianapolis, Indiana, investigating novel compounds and tumor imaging for prostate cancer. She later moved to Dallas, Texas where she worked as a Clinical Research Consultant for Dava Oncology and taught at North Central Texas College. As a pharmacologist, her research lab seeks to explore investigational new drugs as potential therapies for pediatric malignancies, specifically brain cancers. Now returning to her alma mater as an Assistant Professor in Biology, Dr. Walker is a strong advocate of pushing her students to excel academically. Mediocrity is not an option; and therefore, she strives daily to equip her students with the skills to be successful upon graduation. Dr. Walker firmly believes that success is a journey, not a destination; and therefore, "success is in every step".



Catherine L. Will

JHU School of Medicine

Catherine L. Will has been a Program/Projects Manager in the Office of Graduate Student Affairs at the JHU School of Medicine since 1994, where she is responsible for admissions processing and recruitment for biomedical PhD programs. Ms. Will is a Certified Diversity Trainer, with an emphasis on graduate student recruitment. Ms. Will has managed the highly successful Summer Internship Program since 1995. She also manages the Postbaccalaureate Research Education Program (PREP) and Health Careers Opportunity Program (HCOP) Doctoral Diversity program. Ms. Will's work on disability recruitment programming has drawn the attention of the AAAS Project on Science, Technology and Disability. She has been an invited speaker on diversity at GMAC and the National Association of Graduate Admission Professionals (NAGAP). Ms. Will is a Baltimore community activist in the areas of civil rights and social justice, education, housing, poverty alleviation, and has served on several JHU-community task forces addressing these issues.



Sara Xayarath Hernández

Cornell University

Sara Xayarath Hernández is the Associate Dean for Inclusion & Student Engagement for the Graduate School at Cornell University. In this role, she serves as one of Cornell's five University Diversity Officers and as a core member of the Dean's leadership team, providing vision, leadership, and overall management for Graduate School initiatives and policies related to diversity and inclusion. Hernández directs the Office of Inclusion & Student Engagement (OISE), which leads the Graduate School's efforts to recruit, retain, and support a diverse student body with a particular focus on students from groups historically underrepresented in graduate education. OISE in collaboration with other partners, leads student engagement and professional development programming that fosters community and develops skills to enhance academic success, improve retention and completion rates, and prepare students to pursue academic and non-academic careers. Hernández holds a Bachelor of Arts in Zoology from Ohio Wesleyan University and a Master of Regional Planning from Cornell University.

The Leadership Alliance Executive Office Staff



Medeva Ghee

Executive Director

Dr. Medeva Ghee, a graduate of North Carolina State University with a bachelor's degree in zoology, earned her M.S. and Ph.D. in microbiology from New York University School of Medicine. Her postdoctoral research was conducted in Paris, France with a team of researchers associated with the National Center for Scientific Research (CNRS), where she employed biochemical and gene therapy technologies to investigate the impact of protein aggregation in Parkinson's disease. In 2005, Dr. Ghee worked with the Clinton Foundation as a Laboratory Systems Specialist for the HIV/AIDS Initiative. In this capacity, she provided technical assistance and strategic advice on the development of laboratory plans and systems to support national HIV/AIDS prevention care and treatment programs in the Initiative's partner countries in Sub-Saharan Africa. Dr. Ghee joined the Leadership Alliance in 2006 and was appointed the Executive Director of the Leadership Alliance in July 2011. In this capacity, she is responsible for leading the 35 member consortium of institutions and private industry dedicated to increasing the participation of underrepresented students in competitive graduate and doctoral training programs and ultimately developing leaders and role models in academia, the public and private sectors. In addition to her administrative responsibilities, Dr. Ghee is an Assistant Professor of the Practice of Behavioral and Social Sciences at Brown University where she has developed a course that leverages multidisciplinary approaches to support HIV/AIDS care and treatment programs in Sub-Saharan Africa. Actively engaged in research aimed at mentoring and supporting students through critical transitions along the academic pathway, Dr. Ghee has been invited to serve as an external consultant for federal mentoring programs and has given keynote lectures regarding mentoring strategies for graduate students, postdoctoral fellows, faculty members and senior administrators. At Brown, she serves as a mentor for both undergraduates and graduate students. In recognition of her mentoring efforts, Dr. Ghee received the Ruth J. Simmons Award for Leadership by the Samuel M. Nabrit Black Graduate Student Association.



Deborah Collins

Associate Director

Dr. Deborah Collins received her Ph.D. in educational research and policy analysis from Virginia Tech in 1984. While at Virginia Tech, she was Co-Director of the Vocational Education Evaluation in Virginia program, as well as responsible for the development and funding of two national research projects through the National Center for Research in Vocational Education at UC Berkeley/Virginia Tech. As Co-Project Director, her research focused on longitudinal assessment of vocational enrollment patterns and their relationship to academic program achievement and postsecondary enrollments. At the same time, she co-directed a research project exploring the linkages between educational evaluation utilization and planning in vocational education. Dr. Collins taught research methods courses in both education and sociology, collaborating with colleagues in the sociology department to create and administer Virginia Tech's Center for Survey Research. As Center Co-Director, she worked with researchers and policy analysts across multiple disciplines to pursue and support funded research and regional public policy initiatives. In 1997, she came to Brown University as the Director of Research and Evaluation, leading two cycles of research activities for the Regional Educational Laboratory at Brown University (LAB). During her tenure at The Education Alliance, the Research and Evaluation division annually fielded up to 20 contract and grant initiatives, including multi-year national research awards through NSF, NIH and the U.S. Department of Education. Joining the Leadership Alliance in 2011, Dr. Collins continues her work in evaluation and higher education research, working with the Executive Director to seek funding and develop programs consistent with best practices emerging from Alliance and related program initiatives.



Barbara Kahn

Coordinator for Graduate and Undergraduate Programs

Barbara Kahn is the Coordinator for Graduate and Undergraduate Programs for the Leadership Alliance. In this capacity, she coordinates the combined application process for the 21 undergraduate summer research sites and supervises the Alliance summer research program at Brown University. Prior to her appointment with the Leadership Alliance, Ms. Kahn was part of the professional development team at Brown University's Annenberg Institute for School Reform, a center promoting quality education in urban communities. She came to Brown University from Chaffee & Partners, a public relations and advertising firm in Providence, R.I. Ms. Kahn holds a B.S. in Education from Boston University.



Maria DoVale

Coordinator for Professional Development and Networking

Maria DoVale is the Coordinator for Professional Development & Networking for the Leadership Alliance. It is Ms. DoVale's primary responsibility to plan, organize, coordinate and develop sessions that promote networking, mentoring and professional development for undergraduate students, graduate students and our doctoral scholars. As the Ex-Officio of the Leadership Alliance Symposium Planning Committee, she works alongside colleagues from various member institutions who provide suggestions on different aspects of program planning for the Symposium. Ms. DoVale comes to us with a wealth of experience in administration, event planning and management augmented with exemplary technical, organizational and customer service skills. Prior to her appointment with the Leadership Alliance, Ms. DoVale worked for 5½ years at the Providence Warwick Convention & Visitors Bureau helping to promote the state of Rhode Island as well as the city of Providence as a convention destination. Prior to this appointment, she worked for American Express corporate travel for eight years. Ms. DoVale holds a B.A. in Travel & Tourism Management from Johnson & Wales University.



Olivia Mansion

Project Assistant

Olivia Mansion earned a Master's degree from Brown University in Education and Cross-Cultural Studies. Ms. Mansion is the Project Assistant at the Leadership Alliance. In this role, she assists with the preparations and logistics for the Leadership Alliance's National Symposium and provides support for the research programs. She is passionate about creating platforms for sharing people's personal stories and opening pathways for success for historically underrepresented minorities. Ultimately, Ms. Mansion is interested in helping people live healthier, happier more productive lives by helping them realize their true voice and potential. At Brown she was the Cross-Cultural Communications Intern at the Brown University Writing Center where she co-facilitated culture and language workshops alongside the Director of English Language Learning. In this role, Ms. Mansion co-founded the International Writers' Blog, where in addition to editing and writing, she managed the technology and visual media of the blog. Ms. Mansion was born and raised in Venezuela, but is in Providence by way of Tampa, Florida where she received her Bachelor's degree at the University of Tampa.





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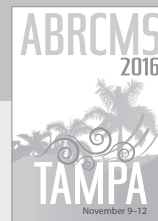
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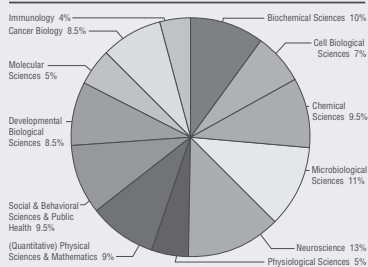
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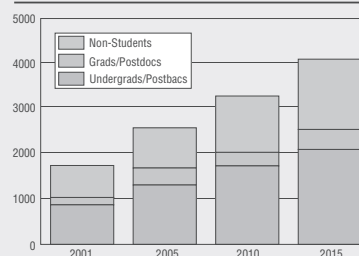


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