

Training

Mentoring

Inspiring



Years

Leadership Alliance National Symposium
Hartford Marriott & Convention Center
Hartford, Connecticut
July 28-30, 2017

Welcome to the 2017 Leadership Alliance National Symposium



Medeva Ghee
Executive Director

It is my distinct honor and privilege to welcome you to the 2017 Leadership Alliance National Symposium! This year marks the 25th anniversary of the Leadership Alliance! Our theme, *Celebrating 25 Years: Mentoring. Training. Inspiring* is a testimony to a quarter century of leadership, commitment and support.

To launch the celebration of our silver anniversary, we have invited members of the Alliance community to participate in a new project, *25 Years ... 25 Stories*. Alliance alumni, faculty and administrators have a compelling narrative to share. This project provides our community of scholars an opportunity to share stories of their personal and professional journeys. These stories reveal insights into their connections with the Alliance that illuminated and made possible the various career paths our best and brightest have chosen.

This anniversary program promises to be inspirational, engaging and memorable. I invite you to take advantage of all that the conference has to offer. Engage in scholarly discourse, network with a purpose and participate in academic, professional and career development opportunities to inform the next steps in your personal and professional path.

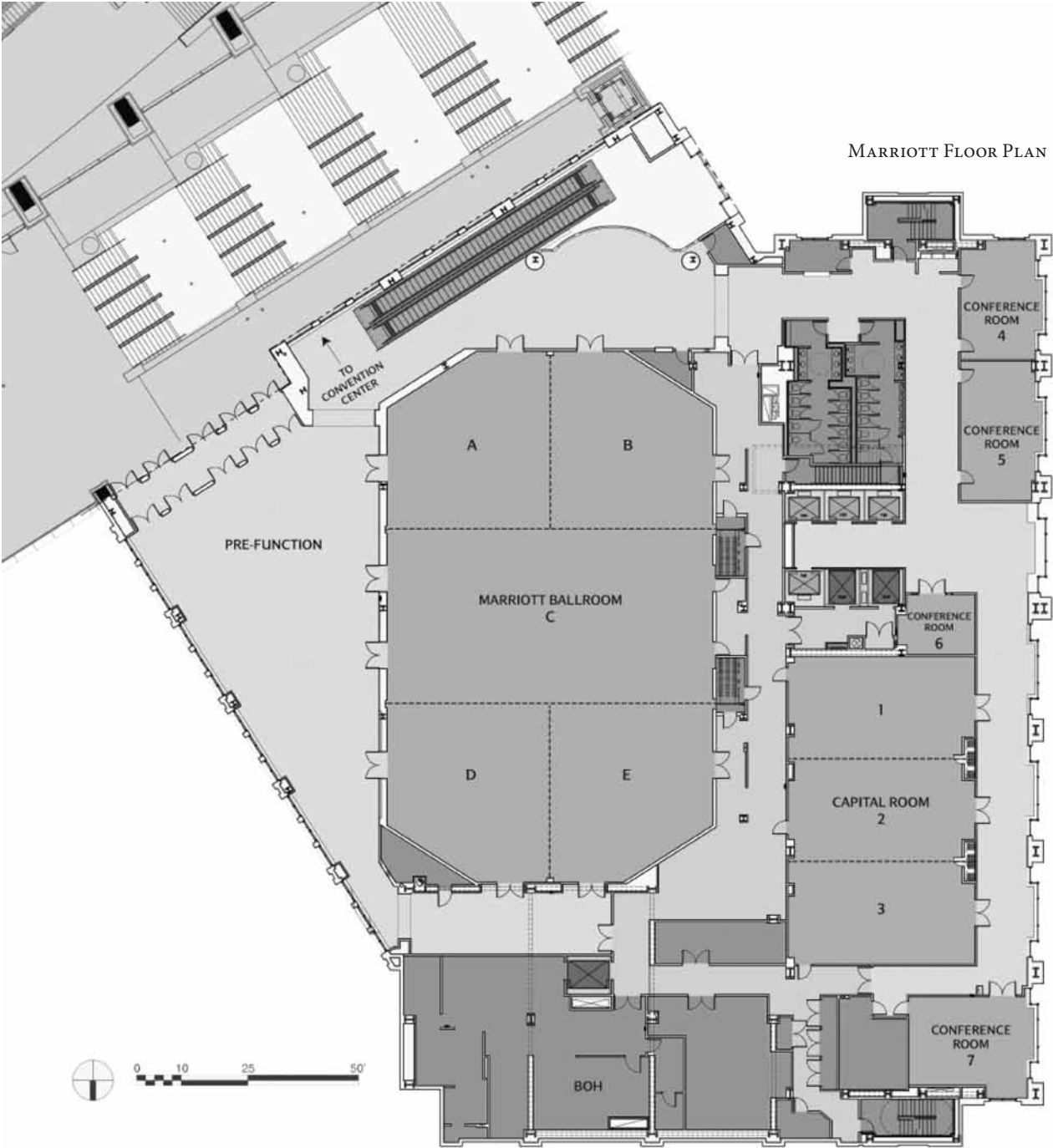
As the Executive Director of the Leadership Alliance, I am humbled and honored to further the mission of the Alliance. I am deeply grateful for my team and the collective efforts of the Alliance alumni, faculty, administrators who are making a difference in the future of our colleges and universities and in the aspirations for increased diversity and inclusion that we all share. We celebrate and applaud you for mentoring, training and inspiring the next generation!

Have a wonderful conference!

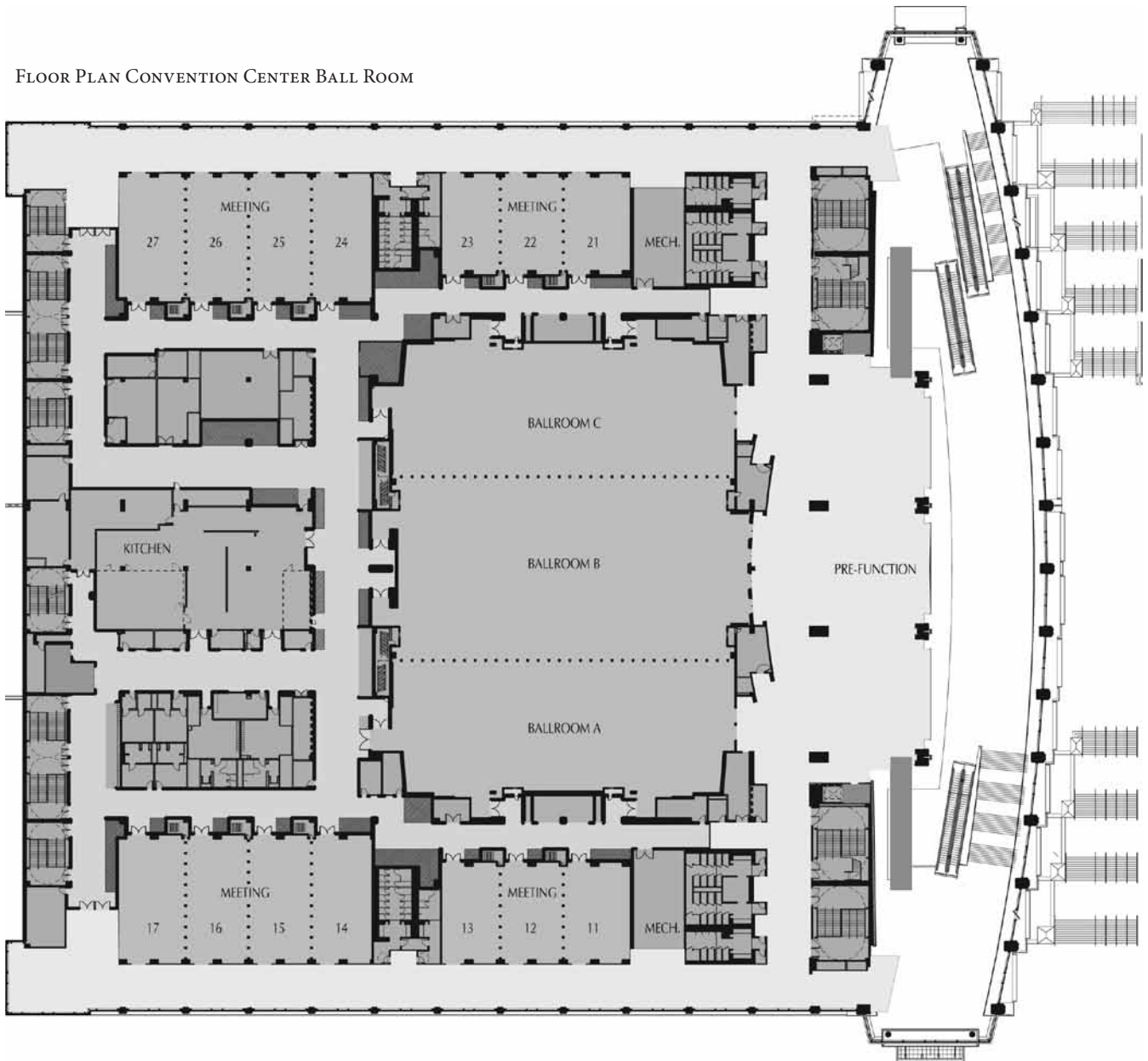
A handwritten signature in black ink, reading "Medeva Ghee" followed by a stylized flourish.

Celebrating 25 Years: Mentoring. Training. Inspiring

Floor Plans.....	2
Symposium At-A-Glance	5
Agenda	6
Keynote Speaker	12
Oral Presentations by NAME	13
Poster Presentations by NAME	43
Poster Presentations by NUMBER.....	53
New Doctoral Scholars	57
Doctoral Scholar Participants.....	58
Faculty, Administrators and Other Participants	59
Graduate Student & Post Bac Participants.....	62
Undergraduate Participants	64
Who's Who at the Symposium.....	75
Leadership Alliance Executive Office Staff.....	85



FLOOR PLAN CONVENTION CENTER BALL ROOM



Symposium At-A-Glance

Time	Undergraduate Sessions		Graduate Student Sessions	Doctoral Scholars	Administrators, Coordinators,
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	Orientation/Funding/Networking Sessions by				
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/25 Years...25 Stories				
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 CTCC Boardroom B Level 4 and will stop at 5:00 PM.					
9:00am - 3:00pm	Registration				
7:00am - 7:25am	Poster Setup				
7:30am - 9:00am	Post-baccalaureate Opportunities	Biosciences, MD-PhD, Engineering & Physical Sciences (Senior Undergraduates)			Identifying and Addressing Unconscious Bias for Leadership Excellence (Part I)
	Curating Your Online Presence	Humanities & Social Sciences			
	Developing Your Network: Best Practices for Networking				
9:00am - 5:00pm	Professional Headshots*				
9:00am - 11:00am	Student Oral Presentations Session I - Applied & Basic BioSciences, Humanities & Social Sciences				
9:15am - 10:45am	Student Poster Presentations				
11:15am - 12:45pm	Student Oral Presentations Session II - All Disciplines				
1:00pm - 2:30pm	Lunch with Doctoral Scholars Panel	Biosciences, MD-PhD, Engineering & Physical Sciences	Your J-O-B post PhD: Findng and Selling Your Fit	Lunch with Undergraduates	Identifying and Addressing Unconscious Bias for Leadership Excellence (Part II)
	Lunch with Doctoral Scholars Panel	Humanities & Social Sciences			
2:45pm - 4:15pm	Student Oral Presentations Session III - All Disciplines				
4:20pm - 4:40pm	Break/Snack				
4:45pm - 6:00pm	Student Oral Presentations Session IV - All Disciplines				
GROUP PHOTOS FOR:					
5:30pm - 6:15pm	5:40pm FYRE Students		6:00pm L.A. Coordinators		6:15pm LAMI Students
7:00pm - 9:00pm	Dinner, Roll Call & Keynote Speaker				
9:30pm - 12:00am	Dance Party				
Day 3 - Recruiting Fair & Next Steps					
7:00am - 10:00am	Recruiting Fair Setup				
8:00am - 9:45am	Breakfast Panels: Graduate School Application & Interview Process	Applied & Basic Biosciences	AAAS Presentation Applying for the AAAS Science & Technology Policy Fellowships		
		MD-PhD			
		Humanities & Social Sciences			
		Engineering & Physical Sciences			
10:00am - 11:00am				Leadership Alliance Alumni Association Meeting	
10:00am - 12:00pm	Recruiting Fair - All Disciplines				
11:00am - 12:00pm					Academic Year Workshop Facilitator Training
12:30pm - 1:00pm	How To Stay Connected with the Leadership Alliance/Lunch Will be Served/Raffle				

Agenda 2017

Friday, July 28

11:00am – 5:00pm

Leadership Alliance Conference Registration Connecticut Convention Center (CTCC) Esplanade

11:00am – 3:00pm

PowerPoint Upload Session I CTCC Ballroom Pre-Function

12:00pm – 2:00pm

Networking Lunch - Everyone CTCC Ballroom B

~ Break, 2:00 pm – 2:45 pm ~

Undergraduates:

3:00pm – 5:00pm

Orientation/Funding/Networking Session by Discipline

Applied & Basic Biosciences CTCC Meeting Room 24-26

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

Funding Your Education Panel:

Irene Hulede, Manager, Student Programs, American Society for Microbiology

Joel Oppenheim, Research Professor, Department of Microbiology, Professor Emeritus of Microbiology, Department of Microbiology

Sheila Thomas, Dean for Academic Programs and Diversity, Harvard University

Humanities & Social Sciences CTCC Meeting Room 21-22

Moderators: Keisha John, Director of Diversity Programs, Office of Graduate and Postdoctoral Affairs, University of Virginia; Majida Kargbo, Graduate Student, American Studies, Brown University

Funding Your Education Panel:

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

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

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

Engineering & Physical Sciences CTCC Meeting Room 23

Moderator: Don Brunson, Assistant Dean, Graduate School and Director, Enhancing Diversity in Graduate Education Program, Vanderbilt University; David Stout, Assistant Professor, Department of Mechanical & Aerospace Engineering, California State University, Long Beach

Funding Your Education Panel:

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

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

4:00pm – 5:00pm

Moderators Training.....CTCC Meeting Room 27

Moderator: D'Ondre Swails, Graduate Student, Africana Studies, Brown University

5:30pm – 6:30pm

Graduate Research Fellowship Programs (GRFP).....CTCC Meeting Room 13

(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.....CTCC Meeting Room 11

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

5:30pm – 6:30pm

Power Point Upload Session II CTCC Ballroom Pre-Function

~ Doors open at 6:30pm for dinner ~

7:00pm – 9:15pm

Welcome, Dinner, 25 Years...25 Stories CTCC Ballroom B

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

Speakers:

Marcus Jones, Sr. Program Manager, R&D Planning, Strategy & Operations, Regeneron Pharmaceuticals, Inc.

Teresa Ramirez, National Human Genome Research Institute/American Society of Human Genetics (NHGRI/ASHG) Genetics and Education fellow

La Marr Jurelle Bruce, Assistant Professor, American Studies, University of Maryland, College Park

Tiffany Brannon, Assistant Professor Department of Psychology, University of California, Los Angeles

Juan F. Carrillo, Associate Professor, School of Education, University of North Carolina Chapel Hill

Scharri Ezell Walker, Assistant Professor, Biology, Tougaloo College

9:30pm – 10:30pm

Reception.....City Side Lounge

Administrators, Coordinators, Doctoral Scholars, Faculty, Graduate Students and Guests

9:30pm – 10:30pm

PowerPoint Upload Session III CTCC Ballroom Pre-Function

Saturday, July 29

7:00am – 7:25am

Poster Setup.....CTCC Ballroom C

7:30am – 9:00am

Undergraduate Breakfast

Post-Baccalaureate Opportunities (PREP & Gap Year Scholar Program) Applied & Basic Biosciences,

Engineering, Physical Sciences, & MD-PhDCTCC Ballroom A

Moderators: Arnaldo Diaz, Assistant Dean for Research Training Programs, University of Pennsylvania;

Anastacia Awad, Scientific Program Manager Office of Education, Diversity & Inclusion, Novartis Institutes for Biomedical Research

7:30am – 9:00am

Undergraduate Breakfast

NEW Curating Your Online Presence

Humanities & Social Sciences.....CTCC Meeting 24/25

Moderator: Majida Kargbo, Graduate Student, American Studies, Brown University

7:30am – 9:00am

Undergraduate, Graduate Student & Doctoral Scholar Breakfast

NEW Developing Your Network: Best Practices for NetworkingCTCC Ballroom B

Moderator: Lauren Celano, CEO, Propel Careers

7:30am – 9:00am

Administrators, Coordinator, Faculty, and Guest Breakfast

Identifying and Addressing Unconscious Bias for Leadership Excellence (Part I)Marriott D&E

Moderator: Dr. Sandra L. Barnes, Assistant Vice Chancellor for Equity, Diversity, and Inclusion Professor,

Department of Human and Organizational Development and the Divinity School Professor of Sociology,

Department of Sociology (Secondary Appointment) Affiliated Faculty, African American Studies and Diaspora

Studies & Research Center Editor, Issues in Race & Society: An Interdisciplinary Global Journal, Vanderbilt

University

9:00am – 5:00pm

Professional Headshots.....CTCC Boardroom B Level 4

9:00am – 5:00pm

Leadership Alliance Conference RegistrationCTCC Esplanade

9:00am – 11:00am

Student Oral Presentations Session I

Applied & Basic BiosciencesCTCC Meeting Rooms 11-13

Humanities & Social SciencesCTCC Meeting Rooms 23, 26, and 27

9:15am – 10:45am

Student Poster Presentations.....CTCC Ballroom C

11:15am – 12:45pm

Student Oral Presentations Session II

Applied & Basic BiosciencesCTCC Meeting Rooms 11-17

Engineering & Physical SciencesCTCC Meeting Rooms 21-23

Humanities & Social SciencesCTCC Meeting Rooms 24-27

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

Lunch with Doctoral Scholars & Graduate Students (Panel)

Undergraduates in Applied & Basic Bioscience,

MD-PhD & Engineering & Physical Sciences..... CTCC Ballroom B

Moderator: Scharri Walker, Assistant Professor, Biology, Tougaloo College

Speakers:

Rhiannon Aguilar, MD-PhD Candidate, Weill Cornell Medicine

David Stout, Assistant Professor, Dept. of Mechanical & Aerospace Engineering; Dept. of Biomedical Engineering, California State University Long Beach

Tammi Taylor, Assistant Professor, Jackson State University

Armando Tolliver, Secondary Education Practitioner, School District of Philadelphia

Lunch with Doctoral Scholars (Panel)

Undergraduates in Humanities & Social Science.....CTCC Ballroom A

Moderator: La Marr Jurelle Bruce, Assistant Professor, American Studies, University of Maryland, College Park

Speakers:

Juan Carrillo, Associate Professor, School of Education, University of North Carolina Chapel Hill

Marta Holliday, Assistant Professor, Language & Literatures, Alabama State University

Majida Kargbo, Graduate Student, American Studies, Brown University

Graduate Students & Doctoral Scholars

NEW Self-Assessment & Career Exploration: Methods for Exploring Careers

That fit Your Interests, Values and Skills.....Marriott A&B

Moderator: Christina Medina-Ramirez, Director of the Skirball Science Learning Center, Hunter College

Administrators, Coordinators, Faculty, and Guests

Identifying and Addressing Unconscious Bias for Leadership Excellence (Part II).....Marriott D&E

Moderator: Dr. Sandra L. Barnes, Assistant Vice Chancellor for Equity, Diversity, and Inclusion Professor, Department of Human and Organizational Development and the Divinity School Professor of Sociology, Department of Sociology (Secondary Appointment) Affiliated Faculty, African American Studies and Diaspora Studies & Research Center Editor, Issues in Race & Society: An Interdisciplinary Global Journal, Vanderbilt University

2:45pm – 4:15pm

Student Oral Presentations Session III

Applied & Basic Biosciences CTCC Meeting Rooms 11-17

Engineering & Physical Sciences..... CTCC Meeting Rooms 21-23

Humanities & Social Sciences..... CTCC Meeting Rooms 24-27

~ Break, 4:20 pm – 4:40 pm ~

4:45pm – 6:00pm

Student Oral Presentations Session IV

Applied & Basic BiosciencesCTCC Meeting Rooms 11-17 and 21-23

Engineering & Physical Sciences..... CTCC Meeting Rooms 21

Humanities & Social Sciences.....CTCC Meeting Rooms 21 and 24-27

5:30pm – 6:15pm

Leadership Alliance Photos for the Following Groups ONLY CTCC Carpeted Stairs on Exhibitor Level

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 CTCC Ballroom B

Dr. Juan Gilbert, Andrew Banks Family Preeminence Endowed Professor and Chair Computer & Information
Science & Engineering Department Herbert Wertheim College of Engineering
University of Florida

9:30pm – 12:00am

Dance CTCC Ballroom A

Sunday, July 30

7:30am – 10:00am

Exhibitors Set-up for Recruiting Fair CTCC Ballroom C

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

Undergraduate Breakfast and Panels: The Graduate School Application

Applied & Basic Biosciences CTCC Ballroom B

Moderator & Panelist: Joel Oppenheim, Research Professor, Department of Microbiology,
Professor Emeritus of Microbiology, Department of Microbiology

Panelists:

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

Sheila Thomas, Dean for Academic Programs and Diversity, Harvard University

MD-PhD CTCC Meeting Room 21/22

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

Panelist:

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

Humanities & Social Sciences CTCC Meeting Room 24/25

Moderator & Panelist: Joseph Brown, Graduate Diversity Recruitment Officer, Stanford University

Panelist:

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

Engineering & Physical Sciences CTCC Meeting Room 23

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

Panelist:

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

8:00am – 9:45am

AAAS Presentation CTCC Meeting Room 26/27

Applying for the AAAS Science & Technology Policy Fellowships

Graduate Students, Doctoral Scholar & Faculty

Moderator: Chloe Poston, Associate Director, The Leadership Alliance Executive Office

10:00am – 11:00am

Leadership Alliance Alumni Association Meeting CTCC Meeting Room 26/27

10:00am – 12:00pm

Recruiting Fair CTCC Ballroom C

11:00am – 12:00pm

Academic Year Workshop Facilitator Training CTCC Meeting Room 26/27

12:30pm – 1:00pm

How to Stay Connected with the Leadership Alliance CTCC Ballroom B

Lunch Provided

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

DR. JUAN E. GILBERT

Keynote Speaker



Dr. Juan E. Gilbert is The Banks Preeminence Chair in Human-Centered Computing and Chair of the Computer & Information Science & Engineering Department at the University of Florida where he leads the Human Experience Research Lab. Dr. Gilbert has research projects in spoken language systems, advanced learning technologies, usability and accessibility, Ethnocomputing (Culturally Relevant Computing) and databases/data mining. He has published more than 180 articles, given more than 250 talks and obtained more than \$25 million dollars in research funding. He is a Fellow of the American Association of the Advancement of Science and a member of the National Academy of Inventors. In 2012, Dr. Gilbert received the Presidential Award for Excellence in Science, Mathematics, and Engineering Mentoring from

President Barack Obama. He also received the American Association for the Advancement of Science (AAAS) 2014 Mentor Award. He was recently named one of the 50 most important African-Americans in Technology. He was also named a 2015-2106 AAAS-Lemelson Invention Ambassador, Speech Technology Luminary by Speech Technology Magazine and a national role model by Minority Access Inc. Dr. Gilbert is also a National Associate of the National Research Council of the National Academies, an ACM Distinguished Scientist and a Senior Member of the IEEE. Dr. Gilbert was named a Master of Innovation by Black Enterprise Magazine, a Modern-Day Technology Leader by the Black Engineer of the Year Award Conference, the Pioneer of the Year by the National Society of Black Engineers and he received the Black Data Processing Association (BDPA) Epsilon Award for Outstanding Technical Contribution. In 2002, Dr. Gilbert was named one of the nation's top African-American Scholars by *Diverse Issues in Higher Education*. In 2013, the Black Graduate and Professional Student Association at Auburn University named their Distinguished Lecture Series in honor of Dr. Gilbert. Dr. Gilbert testified before the Congress on the Bipartisan Electronic Voting Reform Act of 2008 for his innovative work in electronic voting. In 2006, Dr. Gilbert was honored with a mural painting in New York City by City Year New York, a non-profit organization that unites a diverse group of 17 to 24-year-old young people for a year of full-time, rigorous community service, leadership development, and civic engagement.

Oral Presentations by Name

Santiago Acero Bedoya..... 11:15 AM, CC- 11

Presentation Title: Mechanosensitivity Analysis of
Breast Cancer Cells from Needle Biopsy
Research Mentor: Michelle Dawson
Research Institution: Brown University
Home Institution: Ohio State University
Co-Authors: Deepraj Ghosh and Michelle Dawson,
Brown University
AB

Sergio Acevedo..... 11:15 AM, CC- 16

Presentation Title: Binding Affinity of Human
Spliceosomal Protein RBM22 to the RNA
Catalytic Core
Research Mentor: Nancy Greenbaum
Research Institution: Hunter College
Home Institution: UPR-Aguadilla
Co-Authors: Nancy Greenbaum and Joanna Ciavarella,
Hunter College
BB

Roberto Ackerman.....3:30 PM, CC- 24

Presentation Title: Fighting for Their Past: Student
Movements in Rural Normales in Face of
Neoliberal Reforms in Mexico
Research Mentor: Patricia Fernandez-Kelly
Research Institution: Princeton University
Home Institution: University of California
Los Angeles
Co-Authors: Patricia Fernández-Kelly,
Princeton University
SS

Serifat Adebola.....4:45 PM, CC- 14

Presentation Title: The Effect of Temperature on
Viral Genetic Diversity
Research Mentor: Sagi Shapira
Research Institution: Columbia University
Home Institution: New York City Technical College
Co-Authors: Sagi Shapira, Evandro Winkelman and
Sandra Mayer, Columbia University
AB

Olaide Adejobi5:45 PM, CC- 24

Presentation Title: Mythologizing Trauma: Reading
Womanhood in Stories of Resilience
Research Mentor: Amanda Joyce Hall
Research Institution: Yale University
Home Institution: Williams College
Co-Authors: Amanda Joyce Hall, Yale University
HU

Gabrielle Akcelik 9:00 AM, CC- 27

Presentation Title: The Influence of Genetic
Plasticity and Socioeconomic Status on the
Relationship between Brain Morphology and
Cognitive Function
Research Mentor: Marc Berman
Research Institution: University of Chicago
Home Institution: Brooklyn College CUNY
Co-Authors: Marc Berman and Carlos Cardenas-
Iniguez, University of Chicago
SS

Diego Aleman12:00 PM, CC- 25

Presentation Title: Social Justice, Culturally Relevant
Pedagogy, and Science Education
Research Mentor: Bryan Brown
Research Institution: Stanford University
Home Institution: American University
Co-Authors: Bryan Brown, Stanford University
SS

Je'lon Alexander.....12:30 PM, CC- 27

Presentation Title: Atlanta and the Black
Power Movement
Research Mentor: Claudrena Harold
Research Institution: University of Virginia
Home Institution: Morehouse College
Co-Authors: Claudrena Harold, University of Virginia
HU

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>

Austin Alvarez.....3:15 PM, CC- 26

Presentation Title: Caudillo of the People:
Tracing Icon and Memory of Pancho Villa
Research Mentor: Dain Borges
Research Institution: University of Chicago
Home Institution: University of California Los Angeles
Co-Authors: Emilio Kouri, Dain Borges and
Enrique Davila, University of Chicago
HU

Jonas Alvarez.....5:30 PM, CC- 21

Presentation Title: Applying Metabolomics Techniques
to Identify Biomarkers in Alzheimer's Disease
Research Mentor: Aalim Weljie
Research Institution: University of Pennsylvania
Home Institution: Hunter College
Co-Authors: Arjun Sengupta and Aalim Weljie,
University of Pennsylvania
AB

Valeria Arce.....3:30 PM, CC- 25

Presentation Title: Recognizing and Describing
Thriving Communities in Latin America
Research Mentor: Tony Lin
Research Institution: University of Virginia
Home Institution: UPR-Rio Piedras
Co-Authors: Tony Lin, Universidad Catholica de
Argentina; Lucila Crena, University of Virginia
SS

Elena Arroyo3:45 PM, CC- 22

Presentation Title: FG-Nup Aggregation with
Specific Crowding Agents
Research Mentor: Loren Hough
Research Institution: University of Colorado Boulder
Home Institution: San Diego State University
Co-Authors: Sophie Reskin, Laura K Maguire and
Loren Hough, University of Colorado Boulder
PS

Diego Atehortúa 11:15 AM, CC- 27

Presentation Title: Envisioning Blackness in the
Age of Revolution: Images of Afro-Descendants
and the Rhetoric of Freedom in Early 19th
Century Colombia
Research Mentor: Cécile Fromont
Research Institution: University of Chicago
Home Institution: Rutgers University
Co-Authors: Cécile Fromont, University of Chicago
HU

William Atienza 9:30 AM, CC- 27

Presentation Title: Development of a Coding System
for the Judgmental Review of Cultural Bias in
International Test Comparisons
Research Mentor: Guillermo Solano-Florez
Research Institution: Stanford University
Home Institution: California State Polytechnic
University, Pomona
Co-Authors: Guillermo Solano-Flores,
Stanford University
SS

Marnay Avant..... 10:00 AM, CC- 27

Presentation Title: Who's at Home?: Understanding the
Demographics of Stay at Home Parents
Research Mentor: Alexandra Killewald
Research Institution: Harvard University
Home Institution: Colby College
Co-Authors: Alexandra Killewald, Harvard University,
Dept of Sociology
SS

Jose Aveldanes..... 11:45 AM, CC- 25

Presentation Title: Household Shocks and
Vulnerable Students: How Social Risks
Propagate Across Domains
Research Mentor: Adam Goldstein
Research Institution: Princeton University
Home Institution: University of South Carolina -
Columbia
Co-Authors: Adam Goldstein, Princeton University
SS

Bakare Awakoaiye.....3:00 PM, CC- 15

Presentation Title: Estrogen Receptor Effects
on Oxidative Stress and Inflammation in
Human Macrophages
Research Mentor: Kimberly Williams
Research Institution: University of Pennsylvania
Home Institution: Howard University
Co-Authors: Kimberly Williams and Kelly Jordan-
Sciutto, University of Pennsylvania
BB

Annabel Azziz5:00 PM, CC- 16

Presentation Title: Verification of Heterotopic Ossification in acvr1l_Q204D Mutant Zebrafish
 Research Mentor: Pamela Yelick
 Research Institution: Tufts University Sackler School of Graduate Biomedical Sciences
 Home Institution: Fordham University
 Co-Authors: Melissa LaBonty and Pamela Yelick, Tufts University School of Graduate Biomedical Sciences

BB

Nahid Baghdadi 9:15 AM, CC- 12

Presentation Title: Brain Alterations Associated with Cognitive Impairment in a Mouse Model of Chronic Hypertension
 Research Mentor: Monica Santisteban
 Research Institution: Weill Cornell Medical College
 Home Institution: Michigan State University
 Co-Authors: Monica Santisteban, Teresa Milner and Costantino Iadecola, Weill Cornell Graduate School

BB

Daniela Barbosa..... 10:15 AM, CC- 11

Presentation Title: Effect of Choroideremia Inhibition on Zebrafish Behavior
 Research Mentor: Robbert Creton
 Research Institution: Brown University
 Home Institution: University of Texas Rio Grande Valley
 Co-Authors: Robbert Creton, Robert Thorn and Danielle Bestoso, Brown University

BB

Isabel Barraza..... 11:45 AM, CC- 22

Presentation Title: Electrochemical Activation of Small Molecules of Energy and Environmental Impact
 Research Mentor: Thomas Jaramillo
 Research Institution: Stanford University
 Home Institution: University of Texas at El Paso
 Co-Authors: Joel Sanchez, Stanford University; Yanyu Wu, University of Texas at El Paso; Thomas Jaramillo, Stanford University

EN

David Bautista.....5:30 PM, CC- 12

Presentation Title: Determining the Structure of the N - Terminal and C -Terminal Domains in SMN1 Protein in Association with Neurodegenerative Diseases
 Research Mentor: Nicolas Fawzi
 Research Institution: Brown University
 Home Institution: Texas A&M University Kingsville
 Co-Authors: Nicolas Fawzi, Kaylee Mathews and Veronica Ryan, Brown University

BB

Hilary Bediako 11:30 AM, CC- 17

Presentation Title: Investigating the Role of Myostatin in the Phenotypic Regulation of Adipose Tissue
 Research Mentor: Paul Cohen
 Research Institution: The Rockefeller University
 Home Institution: Amherst College
 Co-Authors: Francois Marchildon and Paul Cohen, The Rockefeller University

AB

Joshua Bender12:30 PM, CC- 24

Presentation Title: Inside the Balikbayan: Accessing Filipina/o Americanness, Subjectivity, and Mystification in Contemporary Filipina/o American Literature
 Research Mentor: Crystal Parikh
 Research Institution: New York University
 Home Institution: New York University
 Co-Authors: Crystal Parikh, New York University

HU

Gregorio Benitez.....2:45 PM, CC- 17

Presentation Title: Creating a Tool to Study Specific Signals Responsible for Rsv-Dvg Generation
 Research Mentor: Carolina Lopez
 Research Institution: University of Pennsylvania
 Home Institution: Brown University
 Co-Authors: Yan Sun and Carolina Lopez, University of Pennsylvania

BB

Pallavi Bhusal.....3:15 PM, CC- 21

Presentation Title: Monitoring Degradation of Enzyme-Sensitive Hydrogels by Poly(lactic-co-glycolic acid) Cell Mimetics
 Research Mentor: Stephanie Bryant
 Research Institution: University of Colorado Boulder
 Home Institution: University of Colorado Boulder
 Co-Authors: Stephanie Bryant, University of Colorado Boulder

EN

Taylor Bird McGuire..... 9:00 AM, CC- 23
 Presentation Title: Effects of Race on Children's Trust
 Research Mentor: Lori Markson
 Research Institution: Washington University in St. Louis
 Home Institution: Washington University in St. Louis
 Co-Authors: Hyesung Grace Hwang and Lori Markson,
 Washington University in St. Louis
 SS

Oyindamola Bola.....5:15 PM, CC- 26
 Presentation Title: Critical Examination of Black
 Womanhood Through the Sermons of Pentecostal
 Black Women Preachers
 Research Mentor: Omar McRoberts
 Research Institution: University of Chicago
 Home Institution: Ohio State University
 Co-Authors: Omar McRoberts, University of Chicago
 SS

Jasmin Brooks 10:45 AM, CC- 23
 Presentation Title: Bridging the Gap: Examining the
 Role of Same- and Cross-Race Peer Relationships
 in Middle School Students' Academic Outcomes
 Research Mentor: Lauren Molloy Elreda
 Research Institution: University of Virginia
 Home Institution: University of North Carolina
 Chapel Hill
 Co-Authors: Lauren Molloy Elreda, Amanda K. Kibler
 and Haley E. Johnson, University of Virginia
 SS

Jacob Broussard4:45 PM, CC- 25
 Presentation Title: De-Colonizing the Archive:
 Sovereignty, Place, Infrastructure, and
 Contemporary Navajo Art
 Research Mentor: Aaron Fox
 Research Institution: Columbia University
 Home Institution: University of Southern California
 Co-Authors: Aaron Fox, Columbia University
 HU

Zakiya Browne 11:30 AM, CC- 25
 Presentation Title: Gentrification: School Choice
 and the Emergence of Charter Schools in
 New York City
 Research Mentor: Dalton Conley
 Research Institution: Princeton University
 Home Institution: University at Albany SUNY
 Co-Authors: Dalton Conley, Princeton University
 SS

Breanna Byrd2:45 PM, CC- 26
 Presentation Title: Aftermath Revisited: The Slum
 Phenomenon, Postcolonial Urban Initiatives, and
 'Assistance' Refusal in Accra
 Research Mentor: Awam Ampka
 Research Institution: New York University
 Home Institution: New York University
 Co-Authors: Awam Ampka, New York University
 HU

Elaine Camacho-Hernandez2:45 PM, CC- 13
 Presentation Title: Evaluating the Effects of HIPK2
 Catalytic Inhibition on Castration-Resistant
 Prostate Cancer Cells
 Research Mentor: Susan Logan
 Research Institution: New York University
 Sackler Institute
 Home Institution: UPR-Ponce
 Co-Authors: Russell J. Ledet, Phillip Thomas and
 Susan K. Logan, New York University
 AB

Kyara Carr 11:45 AM, CC- 11
 Presentation Title: A New Role for Nav1.5:
 Preserving Intercellular Adhesion Strength
 Research Mentor: Mario Delmar
 Research Institution: New York University
 Home Institution: Fayetteville State University
 Co-Authors: Esperanza Agullo-Pascual and Mario
 Delmar, New York University
 BB

Brigett Carvajal..... 10:00 AM, CC- 12
 Presentation Title: Genetic Fate Mapping of
 Commissural Neurons in the Spinal Cord
 Research Mentor: Alexander Jaworski
 Research Institution: Brown University
 Home Institution: Hunter College
 Co-Authors: Alexander Jaworski and Alastair Tulloch,
 Brown University
 BB

Gabriela Casanova5:00 PM, CC- 11
 Presentation Title: Role of Phospholipases in the
 Structure of Lysosomes
 Research Mentor: Jennifer Roscoe
 Research Institution: Cornell University
 Home Institution: UPR-Mayaguez
 Co-Authors: William J. Brown and Jennifer Roscoe,
 Cornell University
 BB

Jasmin Castillo 9:45 AM, CC- 23
Presentation Title: The Link between Teachers' Implicit Bias, Exclusionary Discipline, and Expectations for Students: Does the Racial/Ethnic Match Between Teachers and Students Matter?
Research Mentor: Jason Downer
Research Institution: University of Virginia
Home Institution: Fordham University
Co-Authors: Jason T. Downer and Catherine M. Corbin, University of Virginia
SS

Sara Castro 10:45 AM, CC- 26
Presentation Title: ESL in Puerto Rico: Situating the Importance of Language and Identity in an Unusual Context
Research Mentor: Cheryl Krueger
Research Institution: University of Virginia
Home Institution: UPR-Rio Piedras
Co-Authors: Cheryl Krueger, University of Virginia
SS

Antoinette Charles..... 9:45 AM, CC- 13
Presentation Title: The Neural Basis of Sensory Substitution in the Blind
Research Mentor: Kevin Chan
Research Institution: New York University Sackler Institute
Home Institution: Georgia State University
Co-Authors: Kevin Chan, New York University
AB

Juanetziel Charneco.....12:00 PM, CC- 12
Presentation Title: Exploring Mechanism of Increased Acetylcholine in the Right Ventricle in Pulmonary Arterial Hypertension
Research Mentor: Gaurav Choudhary
Research Institution: Brown University
Home Institution: UPR-Aguadilla
Co-Authors: Gaurav Choudhary, Brown University
BB

Elaine Chen5:30 PM, CC- 14
Presentation Title: Determining the Contributions of Staphylococcus Aureus Leukocidins During Macrophage Infection
Research Mentor: Victor Torres
Research Institution: New York University Sackler Institute
Home Institution: Texas A&M University
Co-Authors: Victor Torres and Erin Zwack, New York University
AB

Madison Choi.....12:30 PM, CC- 26
Presentation Title: "Walking the Tightrope": Nostalgia, Monstrosity, and Gender in the Netflix Original Series Stranger Things
Research Mentor: Sylvia Chong
Research Institution: University of Virginia
Home Institution: Chaminade University of Honolulu
Co-Authors: Sylvia Chong, University of Virginia
HU

Heidi Cobarrubias4:00 PM, CC- 15
Presentation Title: Dynamics of Immunoglobulin A Binding to Gut Commensals
Research Mentor: Shipra Vaishnava
Research Institution: Brown University
Home Institution: East Tennessee State University
Co-Authors: Shipra Vaishnava and Kevin Holt, Brown University
BB

Bryan Cobo4:00 PM, CC- 16
Presentation Title: Determining the Effects of Chronic Interferon Stimulation on Heme Oxygenase Expression in Human Monocyte Derived Macrophages
Research Mentor: Dennis Kolson
Research Institution: University of Pennsylvania
Home Institution: UPR-Rio Piedras
Co-Authors: Rolando Garza and Dennis L. Kolson, University of Pennsylvania
BB

Lydia Coley..... 11:15 AM, CC- 24
Presentation Title: Hip-hop and Shakespeare: To Be or Not to Be, Dawg
Research Mentor: Natalie Strobach
Research Institution: Johns Hopkins University
Home Institution: Johns Hopkins University
Co-Authors: Natalie Strobach, Johns Hopkins University
HU

Kenya Collins 10:15 AM, CC- 12
Presentation Title: Determining the Mechanisms of Synaptic Localization in the AIB Neuron of C. elegans
Research Mentor: Daniel Colon-Ramos
Research Institution: Yale University
Home Institution: Tennessee State University
Co-Authors: Daniel Colon-Ramos and Titas Sengupta, Yale University
BB

Nadia Colombi.....3:45 PM, CC- 23

Presentation Title: Characterizing the Stable Isotopic Composition of Ammonia Emitted Through Gasoline and Diesel Fuel Combustion in Providence, Rhode Island
Research Mentor: Meredith Hastings
Research Institution: Brown University
Home Institution: University of California Los Angeles UCLA
Co-Authors: Wendell Walters and Meredith Hastings, Brown University
ES

Ana Colon 11:30 AM, CC- 22

Presentation Title: Mapping Ancient Lakebeds on Mars and Implications for Future Exploration
Research Mentor: Ralph Milliken
Research Institution: Brown University
Home Institution: Dartmouth College
Co-Authors: Ralph Milliken, Brown University
ES

Genesis Colon-Ortiz..... 11:15 AM, CC- 23

Presentation Title: Can Natural Cements Fix Our Aging Infrastructure?
Research Mentor: Wil Srubar
Research Institution: University of Colorado Boulder
Home Institution: UPR-Rio Piedras
Co-Authors: Juan Pablo Gevaudan and Wil Srubar, University of Colorado Boulder
EN

Eva Cordero4:00 PM, CC- 25

Presentation Title: Race, Place, and Self-Reported Identity in the Puerto Rican Diaspora
Research Mentor: Fred Harris
Research Institution: Columbia University
Home Institution: Amherst College
Co-Authors: Fredrick Harris, Columbia University
SS

Diana Cordero Dumit2:45 PM, CC- 23

Presentation Title: Long-Chain Diols as a Paleoenvironmental Proxy in Lake Sediments
Research Mentor: James Russell
Research Institution: Brown University
Home Institution: Barry University
Co-Authors: Ashling Neary and James Russell, Brown University
ES

Emmanuel Correa Vázquez..... 11:45 AM, CC- 24

Presentation Title: Jorge Luis Borges And Emerson's Religious Aesthetics: A Common Appreciation and Expression of the Mystical Experience
Research Mentor: Luis Girón Negrón
Research Institution: Harvard University
Home Institution: UPR-Rio Piedras
Co-Authors: Luis Girón Negrón, Harvard University, Dept of Romance Languages and Literature
HU

Austin Cotter..... 9:45 AM, CC- 12

Presentation Title: Neural Encoding of Vowel Formant Frequency in Normal-Hearing Listeners: A Replication
Research Mentor: Mario Svirsky
Research Institution: New York University Sackler Institute
Home Institution: Arizona State University
Co-Authors: Mario Svirsky, Jonathan Neukam and Elad Sagi, New York University
AB

Edwin Cruz Aguirre12:30 PM, CC- 21

Presentation Title: Exoplanet Atmosphere Temperature Using Sodium Absorption During Transit
Research Mentor: Phil Arras
Research Institution: University of Virginia
Home Institution: Rensselaer Polytechnic Institute
Co-Authors: Phil Arras, Chenliang Huang and Meng Sun, University of Virginia
PS

Gabrielle Davis..... 11:30 AM, CC- 21

Presentation Title: The Effect of Temperature Data Assimilation on Low-Level Wind and Surface Pressure Fields in Mars Atmosphere Models
Research Mentor: Tiffany Shaw
Research Institution: University of Chicago
Home Institution: University of Maryland, Baltimore County
Co-Authors: Tiffany Shaw and Todd Mooring, University of Chicago
ES

Rodney Davis3:30 PM, CC- 21

Presentation Title: Nanoscale Polymer Heat Transfer
Research Mentor: David Green
Research Institution: University of Virginia
Home Institution: Piedmont Virginia Community College
Co-Authors: David Green, Patrick Hopkins and Chester Szwejkowski, University of Virginia
EN

Robinson De Jesus Romero 9:45 AM, CC- 27

Presentation Title: Testing White Matter Microstructure as a Predictor of Conversion from Conduct Disorder to Antisocial Personality Disorder Using DTI

Research Mentor: David Zald

Research Institution: Vanderbilt University

Home Institution: UPR-Rio Piedras

Co-Authors: Kendra Hinton and David Zald, Vanderbilt University

SS

Ana Defendini..... 10:00 AM, CC- 11

Presentation Title: Activation of Oxytocin Target Neurons After a Social Interaction in Female Rats

Research Mentor: Robert Spencer

Research Institution: University of Colorado Boulder

Home Institution: UPR-Rio Piedras

Co-Authors: Robert Spencer and Sarah Morton, University of Colorado Boulder; Amy Perkins, Binghamton University

BB

Jose Del Rio Pantoja5:00 PM, CC- 12

Presentation Title: Mapping Structural Landscape of Galectin-9 to Determine Antibody Binding Sites

Research Mentor: Shohei Koide

Research Institution: New York University Sackler Institute

Home Institution: Pennsylvania State University

Co-Authors: Linxiao Chen and Shohei Koide, New York University

BB

Pamela Del Valle4:45 PM, CC- 23

Presentation Title: Understanding Fear Extinction Through Activity-Dependent Calcium Fluorescence of Neuronal Subtypes in the Basolateral Amygdala

Research Mentor: Conor Liston

Research Institution: Weill Cornell Graduate School

Home Institution: University of Texas at Austin

Co-Authors: Conor Liston, Thu Huynh and Robert Fetcho, Weill Cornell Graduate School

BB

Jocelyn Delgado5:30 PM, CC- 16

Presentation Title: Expression of a Slow Myosin Motor in Fast Skeletal Muscle Drives Slow-Type Gene Expression

Research Mentor: Leslie Leinwand

Research Institution: University of Colorado Boulder

Home Institution: UC Santa Cruz

Co-Authors: Leslie Leinwand and Genevieve Kerr, University of Colorado Boulder

BB

Carlos Detres Roman5:45 PM, CC- 14

Presentation Title: Defining Amino Acids Required for Oligomerization of Helicobacter pylori VacA Toxin

Research Mentor: Mark S. McClain

Research Institution: Vanderbilt University

Home Institution: UPR-Aguadilla

Co-Authors: Mark S. McClain and Timothy L. Cover, Vanderbilt University

BB

Sebastian Diaz.....5:15 PM, CC- 14

Presentation Title: Using Human Monoclonal Antibodies to Better Understand Influenza Virus Evolution

Research Mentor: Scott Hensley

Research Institution: University of Pennsylvania

Home Institution: UPR-Mayaguez

Co-Authors: Seth J. Zost and Scott E. Hensley, University of Pennsylvania

BB

Abdias Diaz-Rosado 9:00 AM, CC- 11

Presentation Title: Effects of Early Life Morphine on Response to Cocaine in Adulthood

Research Mentor: Julie Blendy

Research Institution: University of Pennsylvania

Home Institution: UPR-Rio Piedras

Co-Authors: Kate Brynildsen and Julie Blendy, University of Pennsylvania

BB

Zaniyah Dock..... 11:15 AM, CC- 22

Presentation Title: Determining the Membership of Globular Cluster M2 with APOGEE Data

Research Mentor: Nitya Kallivayalil

Research Institution: University of Virginia

Home Institution: Spelman College

Co-Authors: Nitya Kallivayalil and Shane Davis, University of Virginia

PS

Andy Dorfeuille12:15 PM, CC- 16

Presentation Title: Investigating the Effect of Mutated Radical Holding Residues on DNA Charge Transport

Research Mentor: Walter Chazin

Research Institution: Vanderbilt University

Home Institution: Morehouse College

Co-Authors: Lauren Salay and Walter Chazin, Vanderbilt University

BB

Savannah Downing.....3:45 PM, CC- 21

Presentation Title: Synthesis of In-doped SnTe Nanowires

Research Mentor: Judy Cha

Research Institution: Yale University

Home Institution: Iowa State University

Co-Authors: Judy Cha and John Woods, Yale University

EN

Shiron Drusinsky 10:30 AM, CC- 13

Presentation Title: Secernin-1 is a Novel Protein Found in the Pathological Hallmarks of Alzheimer's Disease

Research Mentor: Thomas Wisniewski

Research Institution: New York University Sackler Institute

Home Institution: UC Santa Cruz

Co-Authors: Eleanor Drummond, Geoffrey Pires and Thomas Wisniewski, New York University

AB

Xavier Durham12:00 PM, CC- 27

Presentation Title: The Anti-Black Assemblage: Racialized Surveillance, Policing, and Social Control in Urban Brazil

Research Mentor: Miguel Centeno

Research Institution: Princeton University

Home Institution: University of Texas at Austin

Co-Authors: Miguel Centeno, Princeton University

SS

Chantel Duscent3:15 PM, CC- 17

Presentation Title: Understanding the Kinetics of Endothelial Cell Tube Formation in vitro Using Live Cell Imaging Techniques

Research Mentor: Natalie Claudio

Research Institution: Novartis Institutes for BioMedical Research

Home Institution: Claflin University

Co-Authors: Natalie Claudio, Novartis Institutes for BioMedical Research

AB

Shantavia Edmonds3:15 PM, CC- 22

Presentation Title: Synthesis and Application of Organocatalyst

Research Mentor: Michael Hilinski

Research Institution: University of Virginia

Home Institution: Claflin University

Co-Authors: Michael Hilinski and Balaram Raya, University of Virginia

PS

Taqiyyah Elliott.....12:15 PM, CC- 25

Presentation Title: Beyond the Preschool Classroom: How Family Involvement Relates to Observed and Teacher-Reported Task Engagement Across Income Levels

Research Mentor: Khara Turnbull

Research Institution: University of Virginia

Home Institution: Xavier University of Louisiana

Co-Authors: Renee Gallo, Shannon Reilly and Sarah Wymer, University of Virginia

SS

Eric Ellison4:00 PM, CC- 17

Presentation Title: Identifying and Recording Micorsatellites from Individuals of Aotus azarae in Order to Track Paternity Correlations with the Dispersal of Specific Individuals

Research Mentor: Adalgisa Caccone

Research Institution: Yale University

Home Institution: Washington University in St. Louis

Co-Authors: Adalgisa Caccone, Eduardo Fernandez-Duque and Margaret Corley, Yale University

BB

Lucas Encarnacion-Rivera 11:15 AM, CC- 13

Presentation Title: The NALCN Ion Channel and Calmodulin: An Investigation Into Their Interaction

Research Mentor: Dejian Ren

Research Institution: University of Pennsylvania

Home Institution: Emory University

Co-Authors: Dejian Ren and Apoorva Bharthur, University of Pennsylvania

BB

Isaiah Eruaga..... 11:30 AM, CC- 16

Presentation Title: Identification of the Kinase Responsible for DNA Damage-Induced ASF1A Phosphorylation

Research Mentor: Jessica Tyler

Research Institution: Weill Cornell Medical College

Home Institution: CSU Fullerton

Co-Authors: Jessica Tyler, Faith Fowler and Ting-Hsiang Hoang, Weill Cornell Medical College
BB

Lilah Evans 10:45 AM, CC- 11

Presentation Title: Visual Textures as Probes of Early Human Visual Processing

Research Mentor: Jonathan Victor

Research Institution: Weill Cornell Graduate School

Home Institution: Howard University

Co-Authors: Jonathan Victor and Mary Conte, Weill Cornell Graduate School of Medical Sciences
AB

Melaine Ferdinand-King 10:30 AM, CC- 23

Presentation Title: Opting Out: Black Students and Black Studies at Historically Black Colleges and Universities

Research Mentor: Tod Hamilton

Research Institution: Princeton University

Home Institution: Spelman College

Co-Authors: Tod Hamilton, Princeton University
SS

India Ferguson5:45 PM, CC- 25

Presentation Title: Dismantling Primitivism

Research Mentor: Henry Skerritt

Research Institution: University of Virginia

Home Institution: Florida International University

Co-Authors: Henry Skerritt, University of Virginia
HU

Carrie Filion.....3:30 PM, CC- 23

Presentation Title: Exploring the Transition to Eternal Inflation in Multi-Field Theories

Research Mentor: Risa Wechsler

Research Institution: Stanford University

Home Institution: Bryn Mawr College

Co-Authors: Ashley Perko and Risa Wechsler, Stanford University School of Humanities & Sciences
PS

Rubén Flores12:15 PM, CC- 27

Presentation Title: Are My Informants Rappers? Hip Hop and Models of Racial Discourse in the Red River Valley

Research Mentor: Joshua Tucker

Research Institution: Brown University

Home Institution: North Dakota State University

Co-Authors: Joshua Tucker, Brown University
HU

Matthew Ford.....12:15 PM, CC- 26

Presentation Title: Ain't I a Brista?: Conceptualizing Black Non-Binary Performativity Through Musical Iconography and Technology

Research Mentor: E. Kwame Otu

Research Institution: University of Virginia

Home Institution: Morehouse College

Co-Authors: E. Kwame Otu, University of Virginia
SS

Elliot Frank.....12:15 PM, CC- 24

Presentation Title: Black Nature in Yusef Komunyakaa's Magic City

Research Mentor: Matthew Sandler

Research Institution: Columbia University

Home Institution: University of Maryland, College Park

Co-Authors: Matthew Sandler, Columbia University
HU

D'Nea Galbraith.....10:30 AM, CC- 11

Presentation Title: The Effects of Early Life Stress on Medial Preoptic Area Development

Research Mentor: Kevin Bath

Research Institution: Brown University

Home Institution: Hunter College

Co-Authors: Meghan Gallo, Mizan Gillard, Marques Love and Kevin Bath, Brown University
BB

Jasmine Garani..... 11:15 AM, CC- 21

Presentation Title: Snapshot A Star SurveY (SASSY)

Research Mentor: Bruce Macintosh

Research Institution: Stanford University

Home Institution: SUNY Stony Brook

Co-Authors: Eric Nielsen and Bruce Macintosh, Stanford University School of Humanities & Sciences; Franck Marchis, Search for Extraterrestrial Intelligence (SETI) Institute
PS

Gustavo Garcia.....5:00 PM, CC- 21

Presentation Title: Autonomy: Considering the Right Thereof for People with Alzheimer's Disease

Research Mentor: Gideon Rosen

Research Institution: Princeton University

Home Institution: CSU Dominguez Hills

Co-Authors: Gideon Rosen, Princeton University
PE

Lizmarie Garcia5:15 PM, CC- 22

Presentation Title: Exploring Molecular Mechanisms of Stress Susceptibility After Traumatic Brain Injury Using *Drosophila* as a Model Organism
Research Mentor: Nancy Bonini
Research Institution: University of Pennsylvania
Home Institution: UPR-Mayaguez
Co-Authors: Nancy Bonini and Janani Saikumar, University of Pennsylvania
BB

Kelly Garrett..... 10:00 AM, CC- 26

Presentation Title: The Bigger Picture: Exploring Linkages Between Children's Television Use and Vocabulary Skills at Preschool Entry
Research Mentor: Khara Turnbull
Research Institution: University of Virginia
Home Institution: Howard University
Co-Authors: Khara Turnbull, Renee Gallo and Shannon Reilly, University of Virginia
SS

Miguel Gomez.....4:45 PM, CC- 15

Presentation Title: Generating Targeted Mutations in Group B Strep Using CRISPR-Cas Technology
Research Mentor: Adam Ratner
Research Institution: New York University Sackler Institute
Home Institution: Cornell University
Co-Authors: Tom Hooven and Adam Ratner, New York University
BB

Athena Gordon 9:00 AM, CC- 26

Presentation Title: "I don't want to have a divide": Examining Teachers' Beliefs about Peer Relationships in Linguistically Diverse Classrooms
Research Mentor: Lauren Molloy Elreda
Research Institution: University of Virginia
Home Institution: Pacific Lutheran University
Co-Authors: Lauren Molloy Elreda, Amanda Kibler and Haley E. Johnson, University of Virginia
SS

Olivia Gorushi3:00 PM, CC- 16

Presentation Title: Comparative Analysis of Microbiome and Host Response in Chronic, Surgical, and Traumatic Wounds
Research Mentor: Elizabeth Grice
Research Institution: University of Pennsylvania
Home Institution: University of Arizona
Co-Authors: Elizabeth Grice, Julia Bugayev and Joseph Horwinski, University of Pennsylvania
AB

Carolina Gracia-D'az3:30 PM, CC- 14

Presentation Title: The Role of tRNA Post-transcriptional Q-modification in Cell Metabolism of Breast Cancer Cell Lines
Research Mentor: Tao Pan
Research Institution: University of Chicago
Home Institution: UPR-Mayaguez
Co-Authors: Tao Pan and Zaneta Matuszek, University of Chicago
BB

Anthony Graves.....9:00 AM, CC- 13

Presentation Title: Anatomical Mapping of Hippocampal Inputs to Entorhinal Cortex
Research Mentor: Jayeeta Basu
Research Institution: New York University Sackler Institute
Home Institution: Duke University
Co-Authors: Jayeeta Basu and Ariel Hairston, New York University
BB

Shirley Green..... 10:15 AM, CC- 23

Presentation Title: Demographic Influences on Adolescents' Experience with Discrimination
Research Mentor: Melvin Wilson
Research Institution: University of Virginia
Home Institution: Morgan State University
Co-Authors: Melvin Wilson and Shannon Savell, University of Virginia
SS

Valentina Grillo Alvarado12:15 PM, CC- 12

Presentation Title: Long Term Exposure of NADPH Oxidase-Derived ROS on Murine Coronary Vessels after Myocardial Infarction
Research Mentor: Ruhul Abid
Research Institution: Brown University
Home Institution: UPR-Rio Piedras
Co-Authors: Ruhul Abid and Isabella McCormack, Brown University; Bonnie Colantuono, Rhode Island Hospital
AB

Maya Hale..... 10:30 AM, CC- 12

Presentation Title: Possible Roles of dNdip in Robo-dependent Repulsion at the Midline of the *Drosophila* Embryonic Central Nervous System
Research Mentor: Greg Bashaw
Research Institution: University of Pennsylvania
Home Institution: University of Maryland, Baltimore County
Co-Authors: Madhavi Gorla and Greg Bashaw, University of Pennsylvania
BB

Mikayla Harden4:00 PM, CC- 24

Presentation Title: Enslaved Youth in Rhode Island
 Research Mentor: Emily Owen
 Research Institution: Brown University
 Home Institution: University of Texas at Austin
 Co-Authors: Emily Owens, Brown University
 HU

Julia Harrer.....5:30 PM, CC- 17

Presentation Title: Engineering a Gene Expression
 Driver to Uncover Novel Signals Directing Stem
 Cell Niche Morphogenesis
 Research Mentor: Lauren Anllo
 Research Institution: University of Pennsylvania
 Home Institution: Pennsylvania State University
 Co-Authors: Lauren Anllo and Steve DiNardo,
 University of Pennsylvania
 BB

Lauren Harris.....5:45 PM, CC- 22

Presentation Title: Internalization Dynamics of the
 Disease-Associated Dopamine Transporter
 A559V Variant
 Research Mentor: Sandra Rosenthal
 Research Institution: Vanderbilt University
 Home Institution: University of Maryland,
 Baltimore County
 Co-Authors: Lucas Thal and Sandra Rosenthal,
 Vanderbilt University
 BB

Robert Henderson3:15 PM, CC- 27

Presentation Title: Children's Sensitivity to the
 Rarity of Objects
 Research Mentor: Hyowon Gweon
 Research Institution: Stanford University
 Home Institution: Yale University
 Co-Authors: Hyowon Gweon and Grace Bennett-Pierre,
 Stanford University
 SS

Shekinah Hernandez 11:30 AM, CC- 12

Presentation Title: Generation of RGS10 and RGS18
 Double Knockout Mice Using CRISPR/Cas9
 Research Mentor: Lawrence Brass
 Research Institution: University of Pennsylvania
 Home Institution: Hampton University
 Co-Authors: Lawrence Brass and Peisong Ma,
 University of Pennsylvania
 BB

Taylor Hernandez3:15 PM, CC- 23

Presentation Title: Creating Tunable Substrates for 2D
 Bilayer Silica through Epitaxial Growth
 Research Mentor: Eric Altman
 Research Institution: Yale University
 Home Institution: University of Notre Dame
 Co-Authors: Eric I. Altman and Gregory S. Hutchings,
 Yale University
 PS

Albert Holler3:45 PM, CC- 17

Presentation Title: Use of Next-Generation Sequencing
 to Identify Germline Mutations Predisposing to
 the Development of Familial Lymphoproliferative
 Disorders
 Research Mentor: Lucy Godley
 Research Institution: University of Chicago
 Home Institution: Vanderbilt University
 Co-Authors: Lucy Godley and Kiran Tawana,
 University of Chicago
 BB

Micah Holness.....2:45 PM, CC- 27

Presentation Title: Recall of Emotional Scenes
 Following Eye Movements
 Research Mentor: Joo-Hyun Song
 Research Institution: Brown University
 Home Institution: Xavier University of Louisiana
 Co-Authors: Joo-Hyun Song and Dan McCarthy,
 Brown University
 SS

Nicholas Hortance4:45 PM, CC- 16

Presentation Title: Development of a Fracture
 Toughness Framework to Analyze Space-Flown
 Mice Humeri
 Research Mentor: Virginia Ferguson
 Research Institution: University of Colorado Boulder
 Home Institution: University of Miami
 Co-Authors: Jennifer Coulombe, Alicia Ortega and
 Virginia Ferguson, University of Colorado Boulder
 AB

Jason Hughes.....12:00 PM, CC- 11

Presentation Title: In Silico Cell-Specific Guinea Pig
 Cardiac Myocyte Electrophysiological Model
 Optimization and Dynamics
 Research Mentor: David Christini
 Research Institution: Weill Cornell Graduate School
 Home Institution: University of Maryland,
 Baltimore County
 Co-Authors: David Christini and Trine Krogh-Madsen,
 Weill Cornell Medical College
 AB

Ranad Humeidi.....12:00 PM, CC- 23

Presentation Title: Synthesis and Optimization of a Near-Infrared Fluorescent Choline Kinase a Inhibitor: Cyclo JAS 239
Research Mentor: Edward J. Delikatny
Research Institution: University of Pennsylvania
Home Institution: University of Texas at San Antonio
Co-Authors: Anatoliy Popov and Edward J. Delikatny, University of Pennsylvania
PS

Paige Hutton 11:45 AM, CC- 26

Presentation Title: Whitewashing the Universe: Representations of, and threats to, Racialized Queerness in Steven Universe
Research Mentor: Michael Ralph
Research Institution: New York University
Home Institution: Wesleyan University
Co-Authors: Michael Ralph, New York University
HU

Bryan Ibarra.....12:30 PM, CC- 11

Presentation Title: Screen Bioprinting the Extracellular Matrix of the Retina
Research Mentor: Erin Lavik
Research Institution: University of Maryland, Baltimore County
Home Institution: University of Miami
Co-Authors: Adam R. Day and Erin B. Lavik, University of Maryland, Baltimore County
AB

Gabriela Ibarra.....3:30 PM, CC- 12

Presentation Title: The Role of SETD2 in Relapsed B-Cell Acute Lymphoblastic Leukemia
Research Mentor: William Carroll
Research Institution: New York University Sackler Institute
Home Institution: Northern Illinois University
Co-Authors: William L. Carroll, Nikki Evensen and Ashfiyah Chowdhury, New York University
AB

Janet Ibarra..... 11:15 AM, CC- 26

Presentation Title: Xingonas con Curvas: Conceptualizing the Body Fetishization and Body Appropriation of Women of Color by Mainstream Culture
Research Mentor: Arlene Davila
Research Institution: New York University
Home Institution: CSU Dominguez Hills
Co-Authors: Arlene Davila, New York University
HU

Bashir Idris.....4:00 PM, CC- 14

Presentation Title: Developing Reversible Inhibitors for Diacylglycerol-beta
Research Mentor: Ken Hsu
Research Institution: University of Virginia
Home Institution: Virginia Commonwealth University
Co-Authors: Ken Hsu and Myungsun Shin, University of Virginia
BB

Kathryn Ippolito 11:45 AM, CC- 16

Presentation Title: Discovering the Biological Function of TRMT10A and TRMT10B
Research Mentor: Chuan He
Research Institution: University of Chicago
Home Institution: Bowdoin College
Co-Authors: Chuan He and Sigrid Nachtergaele, University of Chicago
BB

Emberly Jackson3:15 PM, CC- 16

Presentation Title: MetaSUB (Metagenomics and Metadesign of Subways and Urban Biomes)
Research Mentor: Daniela Bezdán
Research Institution: Weill Cornell Medical College
Home Institution: Mississippi State University
Co-Authors: Christopher Mason, Daniela Bezdán and Heba Shaaban, Weill Cornell Medical College
BB

Malek Jacobs.....4:00 PM, CC- 11

Presentation Title: A Chemical Genetics Approach to Study Circulating Tumor Cell Clusters in Zebrafish Melanoma Cells
Research Mentor: Richard White
Research Institution: Memorial Sloan Kettering Cancer Center
Home Institution: Cornell University
Co-Authors: Richard White, Memorial Sloan Kettering Cancer Center; Nathaniel Campbell, Weill Cornell/Rockefeller/Sloan-Kettering Tri-Institutional; Apeksha Singh, University of California, Berkeley
AB

Noelle Janak4:45 PM, CC- 27

Presentation Title: Is Hip-Hop Feminism Enough?: A Critical Examination of Hip-Hop Feminism in the Age of Ferguson
Research Mentor: Linda Nicholson
Research Institution: Washington University in St. Louis
Home Institution: Saint Louis University
Co-Authors: Linda Nicholson, Washington University in St. Louis
HU

Thamara Jean2:45 PM, CC- 24

Presentation Title: Protest and the Pessimist:
Analyzing the Philosophical Contentions of
Black Lives Matter
Research Mentor: Brandon Terry
Research Institution: Harvard University
Home Institution: Hunter College
Co-Authors: Brandon Terry, Harvard University,
Dept of African and African American Studies
PE

Alyssa Johnson 9:15 AM, CC- 11

Presentation Title: Examining the Role of the
rs16969968 Polymorphism in Alcohol-Induced
Locomotor Activity and Sensitization
Research Mentor: Marissa Ehringer
Research Institution: University of Colorado Boulder
Home Institution: Virginia Polytechnic Institute and
State University
Co-Authors: Matthew Powers and Marissa Ehringer,
University of Colorado Boulder
BB

Brittany Johnson12:00 PM, CC- 15

Presentation Title: How Does Gamete Fusion Work
at the Molecular Level?
Research Mentor: Mark Johnson
Research Institution: Brown University
Home Institution: Tougaloo College
Co-Authors: Jennifer Forcina and Mark Johnson,
Brown University
BB

Jaleese Johnson.....2:45 PM, CC- 25

Presentation Title: Are You In or Out? How Social
Groups Shape Opinions Towards Immigrants
and Refugees
Research Mentor: Ariela Schachter
Research Institution: Washington University in St. Louis
Home Institution: Xavier University of Louisiana
Co-Authors: Ariela Schachter, Washington University
in St. Louis
SS

Betsy Juarez 9:45 AM, CC- 11

Presentation Title: Interaction Between Developmental
Nicotine Exposure and D397N Mice Across
Multiple Generations
Research Mentor: Jerry Stitzel
Research Institution: University of Colorado Boulder
Home Institution: UC Irvine
Co-Authors: Jerry Stitzel, Heidi O'Neill and Jordan
Buck, University of Colorado Boulder
BB

Nicolas Juarez.....5:45 PM, CC- 26

Presentation Title: IndiansXXX: Pornography, Native
American Women, and Settler Sexual Violence
Research Mentor: Maria Montoya
Research Institution: New York University
Home Institution: University of Oklahoma
Co-Authors: Maria Montoya, New York University
HU

Victoria Juarez5:00 PM, CC- 26

Presentation Title: We Hold These Truths To Be Self-
Evident That Women Are Not Created Equal: A
Critical Analysis of Elite Women's Marriage Rights
in the Early American Republic
Research Mentor: S. Max Edelson
Research Institution: University of Virginia
Home Institution: Santa Clara University
Co-Authors: S. Max Edelson, University of Virginia
HU

Manasa Kadiyala5:30 PM, CC- 23

Presentation Title: Investigating the Role of NFkB1
on Age-associated Osteoprogenitor Cell
(OPC) Dysfunction
Research Mentor: Philipp Leucht
Research Institution: New York University
Sackler Institute
Home Institution: University of Georgia
Co-Authors: Philipp Leucht and Anne Marie Josephson,
New York University
BB

Caitlyn Keeve5:00 PM, CC- 25

Presentation Title: Songs of a Secret Country: A
Cross-Cultural Analysis of Aboriginal Australian
Art as a Mode of Symbolic Cognition
Research Mentor: Henry Skerritt
Research Institution: University of Virginia
Home Institution: Mount St. Mary's College
Co-Authors: Henry Skerritt, University of Virginia
HU

Rebeca King12:00 PM, CC- 17

Presentation Title: The Role of Hnf1a in Human β -Cells
and Monogenic Diabetes
Research Mentor: Paul Gadue
Research Institution: University of Pennsylvania
Home Institution: Rice University
Co-Authors: Fabian L Cardenas-Diaz and Paul Gadue,
University of Pennsylvania
BB

Eniola Kolawole5:30 PM, CC- 26

Presentation Title: The Growth of an Identity: How the Emergence of Salons for Muslim Women and Natural Haired Women of African Descent Affects Their Identities in a Eurocentric and Islamophobic America

Research Mentor: Arlene Davila

Research Institution: New York University

Home Institution: New York University

Co-Authors: Arlene Davila, New York University

HU

Kaia Kolodgie.....3:30 PM, CC- 26

Presentation Title: Jury Nullification: America's Hidden Law in the Court Room

Research Mentor: Kaia Kolodgie

Research Institution: Johns Hopkins University

Home Institution: Johns Hopkins University

Co-Authors: Natalie Strobach, Johns Hopkins

University

PE

Rachit Kumar3:15 PM, CC- 14

Presentation Title: Role of Mutant IDH1 in Conferring Resistance Against Menin Inhibitor

Research Mentor: Viviane Tabar

Research Institution: Weill Cornell Medical College

Home Institution: Georgia Institute of Technology

Co-Authors: Kosuke Funato, Yanhong Yang and Viviane

Tabar, Memorial Sloan Kettering Cancer Center

AB

Tomi Ladipo 9:30 AM, CC- 12

Presentation Title: Investigating the Requirement of Motor Cortex in Learning and Executing a Motor Skill

Research Mentor: Wenbiao Gan

Research Institution: New York University

Sackler Institute

Home Institution: North Carolina A&T State University

Co-Authors: Wenbiao Gan and Wei Ji,

New York University

BB

Alyssa Laffitte 11:30 AM, CC- 14

Presentation Title: Arsenic Induces Degradation of Dihydrofolate Reductase

Research Mentor: Patrick Stover

Research Institution: Cornell University

Home Institution: University of Miami

Co-Authors: Martha Field, Denise Stover and

Patrick Stover, Cornell University

BB

Dyana Lazo..... 9:30 AM, CC- 26

Presentation Title: "You Can Hear Them Talking About You": The Role of Language in Middle School Friendships

Research Mentor: Joanna Williams

Research Institution: University of Virginia

Home Institution: CSU Long Beach

Co-Authors: Joanna Williams, Lora Henderson and

Lauren Mims, University of Virginia

SS

John Leake4:00 PM, CC- 26

Presentation Title: Steaming Up: The Bolshevik Use of Railways and the Building of a Soviet State, 1917-1922

Research Mentor: Robert Crews

Research Institution: Stanford University

Home Institution: New York University

Co-Authors: Robert D. Crews, Stanford University

HU

Rhea Leftridge..... 10:15 AM, CC- 26

Presentation Title: Prestige, Credibility, and African-American Vernacular English: Judgments of African-American Women in Professional Settings

Research Mentor: Mina Cikara

Research Institution: Harvard University

Home Institution: UC Berkeley

Co-Authors: Mina Cikara, Harvard University,

Dept of Psychology

SS

Petro Leka.....5:00 PM, CC- 13

Presentation Title: Host-specific Characterization of Different Fidelity Variants of the Chikungunya Virus Polymerase

Research Mentor: Kenneth Stapleford

Research Institution: New York University

Sackler Institute

Home Institution: Jacobs University Bremen

Co-Authors: Kenneth Stapleford, New York University

BB

Jose Liboy3:30 PM, CC- 13

Presentation Title: Regulation of Migration and Invasion by Notch in Triple Negative Breast Cancer

Research Mentor: Robert Babak Faryabi

Research Institution: University of Pennsylvania

Home Institution: UPR-Mayaguez

Co-Authors: Jelena Petrovic and Robert Babak Faryabi,

University of Pennsylvania

BB

Kimya Loder.....3:00 PM, CC- 24

Presentation Title: Dignity and Diversity: Black Activists Challenging Traditional Identity Politics within Tunisian Civil Society
Research Mentor: Robert Wuthnow
Research Institution: Princeton University
Home Institution: Spelman College
Co-Authors: Robert Wuthnow, Princeton University
SS

Deja Logan 11:30 AM, CC- 26

Presentation Title: Mask On, Mask Off: Performance of American Beauty Standards among Second-Generation West African Women
Research Mentor: Shamus Khan
Research Institution: Columbia University
Home Institution: Howard University
Co-Authors: Shamus Khan, Columbia University
SS

Joshua Lovett..... 10:30 AM, CC- 26

Presentation Title: Student-teacher Interactions: Examining the Relationship Between Opportunities to Respond and Student Vocabulary Knowledge
Research Mentor: Michael Kennedy
Research Institution: University of Virginia
Home Institution: Duke University
Co-Authors: Michael Kennedy and John Romig, University of Virginia
SS

Kanan Luce..... 9:15 AM, CC- 26

Presentation Title: Constructing Interpretations of “Do That” from Prior Language and Context
Research Mentor: Chris Kennedy
Research Institution: University of Chicago
Home Institution: UC Berkeley
Co-Authors: Ming Xiang, Chris Kennedy and Jeffrey Geiger, University of Chicago
HU

Emily Maccabee12:00 PM, CC- 14

Presentation Title: Comparing in vitro and in vivo Glycosylation Patterns of Rhodopsin Receptors, Olfactory Receptors, and Beta-2 Adrenergic Receptors
Research Mentor: Paul Feinstein
Research Institution: Hunter College
Home Institution: Emory University
Co-Authors: Paul Feinstein, Hunter College
BB

Betanya Mahary3:15 PM, CC- 24

Presentation Title: Youth Political Consciousness and Escaping Eritrea as a Form of Resistance: Documenting the Narratives of Youth Experiences
Research Mentor: Keisha-Khan Perry
Research Institution: Brown University
Home Institution: Spelman College
Co-Authors: Keisha-Khan Perry, Brown University
SS

Timothy Maher4:45 PM, CC- 17

Presentation Title: The Effect of Antibiotics on B Cell Differentiation in Asthmatic Mice
Research Mentor: Martin Blaser
Research Institution: New York University
Sackler Institute
Home Institution: Wagner College
Co-Authors: Timothy Borbet, Megan Daniele and Martin Blaser, New York University
AB

Kairen Majied.....3:45 PM, CC- 27

Presentation Title: Examining the Effects of Off-Color Disability Humor on Relationships with Disabled Persons
Research Mentor: Tammy English
Research Institution: Washington University in St. Louis
Home Institution: Claflin University
Co-Authors: Tammy English and Katlin Bentley, Washington University in St. Louis
SS

Karen Malacon..... 10:00 AM, CC- 13

Presentation Title: Csf1r Inhibitor Treatment of Neurodegenerative Disease Caused by Somatic Mutation in Microglia
Research Mentor: Elvira Mass
Research Institution: Memorial Sloan Kettering Cancer Center
Home Institution: Harvard University
Co-Authors: Elvira Mass, Memorial Sloan-Kettering; Frederic Geissmann, The Rockefeller University
BB

Rosa Maldonado 11:15 AM, CC- 25

Presentation Title: Economic Deprivations, Ethnicity, and Education in Latin America
Research Mentor: Emily Hannum
Research Institution: University of Pennsylvania
Home Institution: CSU Northridge
Co-Authors: Emily Hannum, Andrea Alvarado Urbina and Ran Liu, University of Pennsylvania
SS

Alexandra Maldonado-Lopez3:15 PM, CC- 12

Presentation Title: Investigating the Effects of Increased Shear Stress Via Aerobic Exercise on Metastases to the Lung
Research Mentor: Sandra Ryeom
Research Institution: University of Pennsylvania
Home Institution: UPR-Ponce
Co-Authors: Kerry Roby and Sandra Ryeom, University of Pennsylvania
BB

Victoria Marino5:45 PM, CC- 17

Presentation Title: Generation of Trap Tags and Reporters for Purkinje Cell Differentiation from Human Pluripotent Stem Cells
Research Mentor: Mary E. Hatten
Research Institution: The Rockefeller University
Home Institution: Palomar Community College
Co-Authors: David Buchholz and Mary E. Hatten, The Rockefeller University
BB

Sarah Marion12:30 PM, CC- 15

Presentation Title: Identifying Exogenous Bacterial Agents that Cause Sterility Within *C. elegans*
Research Mentor: Ritika Das
Research Institution: New York University
Home Institution: Brown University
Co-Authors: Ritika Das and E. Jane Hubbard, New York University
BB

Edgar Marroquin12:15 PM, CC- 13

Presentation Title: Modeling the Recognition and Excision of the Aflatoxin B1 Formamidopyrimidine Adduct by mvNEI1
Research Mentor: Michael Stone
Research Institution: Vanderbilt University
Home Institution: University of Texas at Austin
Co-Authors: Andrew Kellum and Michael Stone, Vanderbilt University
BB

Brianna Martinez.....5:30 PM, CC- 24

Presentation Title: The “Afterlife” of A Portrait: Carlos Fuentes’ Joycean Reframing of Mexican National Identity in The Death of Artemio Cruz
Research Mentor: Julie Crawford
Research Institution: Columbia University
Home Institution: Whittier College
Co-Authors: Julie Crawford, Columbia University
HU

German Martinez3:30 PM, CC- 16

Presentation Title: The Impact of Gut Microbial Diversity in Infant Mice on Systemic Immune Function
Research Mentor: Esi Lamouse Smith
Research Institution: Columbia University
Home Institution: Clarkson University
Co-Authors: Esi Lamouse-Smith, Columbia University
BB

Jaylene Martinez3:00 PM, CC- 22

Presentation Title: Surface Modification and Structure Engineering of Hydrogels: Poly-HEMA and Super Tough Hydrogel
Research Mentor: Yifu Ding
Research Institution: University of Colorado Boulder
Home Institution: University of New Mexico
Co-Authors: Mengyuan Wang and Yifu Ding, University of Colorado Boulder
EN

Katrina Martinez5:00 PM, CC- 24

Presentation Title: Up, Up, and A-Wepa: Reconstructing the Puerto Rican Nation in “La Borinque”
Research Mentor: Maja Horn
Research Institution: Columbia University
Home Institution: Williams College
Co-Authors: Maja Horn, Barnard College
HU

Andres Martinez-Muniz.....5:00 PM, CC- 15

Presentation Title: Expression of PfGARP in Recombinant *P. pastoris* for Malaria Vaccine Development
Research Mentor: Jonathan Kurtis
Research Institution: Brown University
Home Institution: UPR-Mayaguez
Co-Authors: Sovanny Pond-Tor, Sunthorn Pond-Tor and Jonathan D. Kurtis, Brown University
AB

Keith Matier 10:00 AM, CC- 23

Presentation Title: A Case for Pre-College Philosophy
Research Mentor: Michael Weisberg
Research Institution: University of Pennsylvania
Home Institution: Morehouse College
Co-Authors: Michael Weisberg, University of Pennsylvania
HU

Archie Matta Jr..... 9:15 AM, CC- 23

Presentation Title: I Think I Can, I Think I Can: Do Teachers' Sense of Self-Efficacy Minimize the Association between Disruptive Student Behavior at the Beginning of the Year and Later Exclusionary Discipline Practices?

Research Mentor: Jason Downer

Research Institution: University of Virginia

Home Institution: University of Guam

Co-Authors: Jason T. Downer and Catherine Corbin, University of Virginia

SS

Noura Maziak..... 11:45 AM, CC- 17

Presentation Title: The Fusion Protein Fatty Acyl Reductase Acyl Transferase (FARAT) Regulates Chemotaxis in Dictyostelium discoideum

Research Mentor: Derrick Brazill

Research Institution: Hunter College

Home Institution: University of Miami

Co-Authors: Derrick Brazill, Hunter College

BB

Joshua McDuffie.....12:00 PM, CC- 22

Presentation Title: Assessing Mantle Deformation in the Aleutian Island Subduction Zone Using Shear Wave Splitting Techniques

Research Mentor: Karen Fischer

Research Institution: Brown University

Home Institution: North Carolina A&T State University

Co-Authors: Karen Fischer, Brown University

ES

Travis McKay.....3:45 PM, CC- 14

Presentation Title: Developing a T-junction Device for Lipid Nanoparticle Synthesis for Applications in Drug Delivery

Research Mentor: Qiaobing Xu

Research Institution: Tufts University

Home Institution: University of Maryland, Baltimore County

Co-Authors: Qiaobing Xu and Xuewei Zhao, Tufts University

AB

Dequante Mckoy.....12:15 PM, CC- 23

Presentation Title: Non-Invasive Sensing Technologies for Infrastructure Assessment and Health Monitoring

Research Mentor: Devin Harris

Research Institution: University of Virginia

Home Institution: Saint Augustine's College

Co-Authors: Devin Harris and Mohamad Alipour, University of Virginia

EN

Rachel Miles2:45 PM, CC- 14

Presentation Title: Collaboration of IDH2 and Spliceosomal Gene Mutations of SRSF2 in Leukemia

Research Mentor: Omar Abdel-Wahab

Research Institution: Weill Cornell Medical College

Home Institution: Vanderbilt University

Co-Authors: Omar Abdel-Wahab and Akihide Yoshimi, Memorial Sloan Kettering Cancer Center

AB

Chelsea Miller 11:30 AM, CC- 15

Presentation Title: Studying the Role of Slc30a10 in Manganese Homeostasis

Research Mentor: Tom Bartnikas

Research Institution: Brown University

Home Institution: SUNY New Paltz

Co-Authors: Tom Bartnikas, Brown University

AB

Ja'Laquan Mitchell 11:30 AM, CC- 11

Presentation Title: Translation Inhibitors Identified Through 3-D Modeling Modulate Cancer Cell Growth and Sensitivity to Ionizing Radiation

Research Mentor: Tin Tin Su

Research Institution: University of Colorado Boulder

Home Institution: Dartmouth College

Co-Authors: Tin Tin Su, University of Colorado Boulder

BB

Kaitlin Mitchell 11:30 AM, CC- 27

Presentation Title: Race and Faith in Communities and Churches

Research Mentor: Tony Lin

Research Institution: University of Virginia

Home Institution: Grossmont-Cuyamaca College

Co-Authors: Tony Lin, Institute for Advanced Studies in Culture; Lucila Crena, University of Virginia

SS

Jennifer Mojica-Santana.....4:45 PM, CC- 24

Presentation Title: Yo Soy AmerRican: Exploring Identity in Both the Mainland and Homeland in Tato Laviera's Poetry

Research Mentor: Matthew Guterl

Research Institution: Brown University

Home Institution: UPR-Mayaguez

Co-Authors: Matthew Pratt Guterl, Brown University HU

Ariel Moore2:45 PM, CC- 11

Presentation Title: The Effects of Temozolomide and Talazoparib in *C. elegans*
 Research Mentor: Jill Bargonetti
 Research Institution: Hunter College
 Home Institution: Claflin University
 Co-Authors: Jill Bargonetti and Bernice Olona, Hunter College
 AB

Jordan Moore12:00 PM, CC- 16

Presentation Title: Measuring the Effects of Polyamines, Dipeptides, and Competing Oligonucleotides on RNA Self-Assembly In Vitro
 Research Mentor: Roy Parker
 Research Institution: University of Colorado Boulder
 Home Institution: Oklahoma State University
 Co-Authors: Briana Van Treeck and Roy Parker, University of Colorado Boulder
 BB

Jessica Morgan5:00 PM, CC- 23

Presentation Title: Hypoxic Activation of the Thalamic Mid-line
 Research Mentor: Mark Beenhakker
 Research Institution: University of Virginia
 Home Institution: Converse College
 Co-Authors: Mark Beenhakker and Kathryn Salvati, University of Virginia
 AB

Raquel Moya5:15 PM, CC- 11

Presentation Title: Characterization of the Human Replication Landscape Using Okazaki Fragment Sequencing
 Research Mentor: David Fenyo
 Research Institution: New York University Sackler Institute
 Home Institution: University of Virginia
 Co-Authors: Sarah Keegan and David Fenyo, New York University
 BB

Maria Muhammad.....12:15 PM, CC- 11

Presentation Title: Investigating the Relationship between Fibroblasts and Cardiomyocytes: Mechanical, Electrical, and Spatial Orientation
 Research Mentor: Kareen Coulombe
 Research Institution: Brown University
 Home Institution: Tougaloo College
 Co-Authors: Travis Wallace and Kareen Coulombe, Brown University
 AB

Jonathan Munoz.....3:00 PM, CC- 14

Presentation Title: Investigation Into the Relationship Between Tet2 Loss of Function and Augmented Expression of Nras Resulting in Acute Myeloid Leukemia (AML)
 Research Mentor: Ross Levine
 Research Institution: Memorial Sloan Kettering Cancer Center
 Home Institution: Florida International University
 Co-Authors: Alan H. Shih, Hiroyoshi Kunimoto and Ross L. Levine, Memorial Sloan Kettering Cancer Center
 BB

Bryan Murillo.....12:30 PM, CC- 14

Presentation Title: Characterizing Protein-Protein Interactions in the WRAMP Structure via the Junction Protein, Moesin
 Research Mentor: Natalie Ahn
 Research Institution: University of Colorado Boulder
 Home Institution: University of Colorado Boulder
 Co-Authors: Natalie Ahn, University of Colorado Boulder
 BB

Bretton Nabit..... 9:30 AM, CC- 11

Presentation Title: Evaluating the Role of Alpha-2a-Adrenergic Receptors in Neuronal Activity Changes Following Stress-Induced Reinstatement of Cocaine-Seeking Behaviors
 Research Mentor: Rafael Perez
 Research Institution: Vanderbilt University
 Home Institution: Rider University
 Co-Authors: Rafael Perez and Danny G. Winder, Vanderbilt University
 BB

Forrest Nagy.....5:15 PM, CC- 21

Presentation Title: Aging and Attentional Control
 Research Mentor: Julie Bugg
 Research Institution: Washington University in St. Louis
 Home Institution: Washington University in St. Louis
 Co-Authors: Julie Bugg, Washington University in St. Louis
 SS

Ami Nanavaty3:00 PM, CC- 25

Presentation Title: Ab Ki Baar Trump Sarkar:
Conceptualizing Hindu American Support for
Trump through Hindu Whiteness and Nationalism
Research Mentor: Nikhil Singh
Research Institution: New York University
Home Institution: University of Kansas
Co-Authors: Nikhil Pal Singh, New York University
HU

Amanda Nash..... 11:45 AM, CC- 15

Presentation Title: Effects of Cell Polarization on
Embryonic Germ Cells in C.elegans
Research Mentor: Jeremy Nance
Research Institution: New York University
Sackler Institute
Home Institution: University of Houston
Co-Authors: Jeremy Nance and Chelsea Maniscalco,
New York University
BB

Natasha Navejar 9:00 AM, CC- 12

Presentation Title: Seeing With Sound: How Bats Use
Echolocation to Find Hidden Objects
Research Mentor: Cynthia Moss
Research Institution: Johns Hopkins University
Home Institution: Tulane University
Co-Authors: Cynthia Moss, Angeles Salles and Wendy
Xie, Johns Hopkins University
BB

Sakila Nazia.....5:30 PM, CC- 15

Presentation Title: Programmed Cell Death in Host
Defense Against Invasive Fungal Disease
Research Mentor: Tobias Hohl
Research Institution: Weill Cornell Medical College
Home Institution: Columbia University
Co-Authors: Neta Shlezinger and Tobias Hohl,
Memorial Sloan Kettering Cancer Center
BB

Diarra Ndiaye.....4:45 PM, CC- 22

Presentation Title: Tau Immunotherapy for
Alzheimer's Disease
Research Mentor: Erin Congdon
Research Institution: New York University
Sackler Institute
Home Institution: Ohio University
Co-Authors: Erin Congdon and Einar Sigurdsson,
New York University
AB

Jonathan Nesper.....4:00 PM, CC- 23

Presentation Title: Design and Application of a FROG
Device for Characterization of Ultrashort Pulses
over a Broad Wavelength Range
Research Mentor: Henry Kapteyn
Research Institution: University of Colorado Boulder
Home Institution: University of Central Florida
Co-Authors: Henry Kapteyn, Margaret Murnane and
Kevin M. Dorney, University of Colorado Boulder
PS

Jade Neverson.....12:30 PM, CC- 12

Presentation Title: Quantification of Serum
Interleukin-1 beta as a Biomarker for Calcific
Atherosclerosis
Research Mentor: Alan Morrison
Research Institution: Brown University
Home Institution: University of Scranton
Co-Authors: Alan Morrison, Chris Mantsounga and
Joshua Berus, Brown University
BB

Tuong Vy Nguyen 9:45 AM, CC- 26

Presentation Title: The Associations between Non-
Native Accent, Perceived Discrimination, and
Psychological and Health Outcomes in Asian
Americans
Research Mentor: Charissa Cheah
Research Institution: University of Maryland,
Baltimore County
Home Institution: Xavier University of Louisiana
Co-Authors: Kathy T. T. Vu and Charissa Cheah,
University of Maryland, Baltimore County
SS

Nia Nickerson12:30 PM, CC- 25

Presentation Title: Infant Motor Development in the
Context of Multilingual Experience, Maternal
Education Level, and Maternal Ethnicity
Research Mentor: Amanda Woodward
Research Institution: University of Chicago
Home Institution: University of Maryland, College Park
Co-Authors: Amanda Woodward and Marlene Meyer,
University of Chicago
SS

Rachael Nilson3:15 PM, CC- 15

Presentation Title: Fail-safes on the Cellular Level:
when Bacterial LPS Triggers Death instead of
Inflammation
Research Mentor: Alexander Poltorak
Research Institution: Tufts University Sackler School of
Graduate Biomedical Sciences
Home Institution: Roger Williams University
Co-Authors: Beiyun C. Liu, Joseph Sarhan and
Alexander Poltorak, Tufts University School of
Graduate Biomedical Sciences
BB

Fernando Norat Pérez.....3:45 PM, CC- 25

Presentation Title: More than Sputniks in Havana:
Soviet Revolutionary Culture in Cuba (1957-1961)
Research Mentor: Jennifer Lambe
Research Institution: Brown University
Home Institution: UPR-Rio Piedras
HU

Joangela Nouel5:00 PM, CC- 14

Presentation Title: Detecting Viral dsRNA by MERS 4a
Accessory Protein
Research Mentor: Susan Weiss
Research Institution: University of Pennsylvania
Home Institution: City College of New York
Co-Authors: Susan Weiss and Yize Li, University of
Pennsylvania
BB

Michel Ntiri.....5:45 PM, CC- 15

Presentation Title: Defining the Mechanism
of Dendritic Cell Responses to Legionella
pneumophila
Research Mentor: Sunny Shin
Research Institution: University of Pennsylvania
Home Institution: Rutgers University
Co-Authors: Sunny Shin and Jessica Doerner,
University of Pennsylvania
AB

Constance Nyaunu.....5:15 PM, CC- 12

Presentation Title: Structural Basis for the
Unique Myristoylation Signal of the Feline
Immunodeficiency Virus Matrix Protein
Research Mentor: Michael Summers
Research Institution: University of Maryland,
Baltimore County
Home Institution: Howard University
Co-Authors: Michael Summers, Janae Baptiste and
Simon Maxwell, University of Maryland, Baltimore
County
AB

Ellyn Obrochta.....4:00 PM, CC- 12

Presentation Title: Targeting Musashi Family of RNA
Binding Proteins in Myeloid Leukemia
Research Mentor: Michael Kharas
Research Institution: Memorial Sloan Kettering
Cancer Center
Home Institution: University of Redlands
Co-Authors: Gerard Minuesa and Michael Kharas,
Memorial Sloan Kettering Cancer Center
BB

Ifeanyichukwu Okereke..... 11:45 AM, CC- 12

Presentation Title: Novel Anti-oxPL Antibody
Attenuates Atherosclerosis in Apoe Knockout Mice
Research Mentor: Gary Owens
Research Institution: University of Virginia School
of Medicine
Home Institution: Howard University
Co-Authors: Gary K. Owens and Olga Cherepanova,
University of Virginia
AB

Temitope Olatinwo12:00 PM, CC- 21

Presentation Title: Membership Analysis of Globular
Cluster M92 with APOGEE Data
Research Mentor: Nitya Kallivayalil
Research Institution: University of Virginia
Home Institution: Spelman College
Co-Authors: Nitya Kallivayalil, Shane Davis and Paul
Zivick, University of Virginia
PS

Daniel Olivares-Zambrano3:30 PM, CC- 15

Presentation Title: Tetrodotoxin Effects on Pathogens
that Infect the Genus Taricha
Research Mentor: Pieter Johnson
Research Institution: University of Colorado Boulder
Home Institution: CSU Monterey Bay
Co-Authors: Pieter Johnson and Dana Marie Calhoun,
University of Colorado Boulder
BB

Vince Charles Ombao.....5:15 PM, CC- 24

Presentation Title: Literature and Economics: Looking
at the Other Side of Shakespeare's The Merchant
of Venice
Research Mentor: Natalie Strobach
Research Institution: Johns Hopkins University
Home Institution: Johns Hopkins University
Co-Authors: Natalie Strobach, Johns Hopkins
University
HU

Yohaniz Ortega2:45 PM, CC- 15

Presentation Title: Regulation of the Hedgehog
Pathway during Experimental Autoimmune
Encephalomyelitis

Research Mentor: Jorge Alvarez

Research Institution: University of Pennsylvania

Home Institution: UPR-Humacao

Co-Authors: Loic Dragin and Jorge Ivan Alvarez,
University of Pennsylvania

BB

Emily Ortiz..... 11:15 AM, CC- 14

Presentation Title: Multidrug Resistance Transporters
Loss in Ovaries

Research Mentor: Lynae Brayboy

Research Institution: Brown University

Home Institution: Saint Mary's University

Co-Authors: Lynae Brayboy and Gary Wessel,
Brown University

AB

Adeiyewunmi Osinubi.....4:45 PM, CC- 12

Presentation Title: Quantitative Research on
Cardiovascular Disease Risk Factors in New York
City Residents

Research Mentor: Lorna Thorpe

Research Institution: New York University

Home Institution: Brown University

Co-Authors: Lorna Thorpe and Rania Kanchi,
New York University

AB

Marguerite Pacheco5:15 PM, CC- 17

Presentation Title: Effect of Egl7 Knock Out on
NOTCH Signaling in Mouse Embryonic
Endothelial Cells

Research Mentor: Heidi Stuhlmann

Research Institution: Weill Cornell Graduate School

Home Institution: Smith College

Co-Authors: Heidi Stuhlmann and Lissanya Argueta,
Weill Cornell Graduate School of Medical Sciences

BB

Nicholas Page 10:45 AM, CC- 13

Presentation Title: Splicing Analysis of Diverse TDP43
Depletion and ALS Datasets

Research Mentor: Yoseph Barash

Research Institution: University of Pennsylvania

Home Institution: Rutgers University

Co-Authors: Yoseph Barash, Matthew Gazzara and
Anupama Jha, University of Pennsylvania

AB

Hillary Pan3:30 PM, CC- 22

Presentation Title: Characterizing Fracture Toughness
of Titanium and Zirconium-based Bulk Metallic
Glasses

Research Mentor: Jan Schroers

Research Institution: Yale University

Home Institution: Oberlin College

Co-Authors: Jan Schroers and Ling Shao,
Yale University

EN

Felipe Parodi 9:15 AM, CC- 27

Presentation Title: Social Stress on Foraging Techniques

Research Mentor: Arjun Ramakrishnan

Research Institution: University of Pennsylvania

Home Institution: University of Miami

Co-Authors: Arjun Ramakrishnan, Dilara Berkay and
Michael Platt, University of Pennsylvania

SS

Yoselin Paucar3:45 PM, CC- 15

Presentation Title: Inducible Expression of LINE1
Retroviral Elements: A Model for the Study of
Systemic Lupus Erythematosus (SLE)

Research Mentor: Kathleen Sullivan

Research Institution: University of Pennsylvania

Home Institution: John Jay College of
Criminal Justice CUNY

Co-Authors: Kathleen Sullivan, University of
Pennsylvania; Lihua Shi and Kelly Maurer,
Children's Hospital of Philadelphia

BB

Shahil Pema.....5:30 PM, CC- 11

Presentation Title: Labeling of Genomic Loci Using a
Novel dCas9 Based Technology

Research Mentor: Timothee Lionnet

Research Institution: New York University

Home Institution: University of Nevada, Reno

Co-Authors: Timothee Lionnet, New York University

BB

Elena Penhos5:30 PM, CC- 22

Presentation Title: Dopamine Levels in Striatum
and Hippocampus in Conditional PERK
Knockout Mice

Research Mentor: Margaret Rice

Research Institution: New York University
Sackler Institute

Home Institution: Miami University

Co-Authors: Maria Mancini, Eric Klann and Margaret
E. Rice, New York University

AB

Mabel Perez-Oquendo.....3:30 PM, CC- 11

Presentation Title: Identifying Cooperative Effects of Tumor Suppressor Gene Mutations in Lung Adenocarcinoma Using Paired CRISPR-Cas9
Research Mentor: David Feldser
Research Institution: University of Pennsylvania
Home Institution: UPR-Rio Piedras
Co-Authors: David Feldser and David Walter, University of Pennsylvania
BB

Zameese Peters.....12:30 PM, CC- 23

Presentation Title: Is it Possible to Embed a Long Term Memory of Scagnostics into an Artificial Intelligence System in Order to Produce Meaningful Scatterplots?
Research Mentor: Fernanda Elliott
Research Institution: Vanderbilt University
Home Institution: Norfolk State University
Co-Authors: Fernanda Elliott and Keivan Stassun, Vanderbilt University
PS

Jessica Phan5:00 PM, CC- 22

Presentation Title: Molecular Profiling of Brain Regions in Transgenic Mice Overexpressing Amyloid Precursor Protein
Research Mentor: Makoto Ishii
Research Institution: Weill Cornell Medical College
Home Institution: Pomona College
Co-Authors: Makoto Ishii, Weill Cornell Medical College
AB

Andres Pinedo..... 9:30 AM, CC- 23

Presentation Title: “Opt in vs. Opt out”: The Power of Defaults on AP Test Participation for High School Students
Research Mentor: Gregory Walton
Research Institution: Stanford University
Home Institution: UC Santa Cruz
Co-Authors: Shannon Brady and Gregory M. Walton, Stanford University
SS

Stephanie Plaza-Torres4:45 PM, CC- 21

Presentation Title: Untangling the Diet of Herbivorous Dinosaurs from the Mineralization of Their Dung: A Stable Isotope Analysis of Coprolites
Research Mentor: Boswell Wing
Research Institution: University of Colorado Boulder
Home Institution: UPR-Mayaguez
Co-Authors: Brett Davidheiser-Kroll, Boswell Wing and Karen Chin, University of Colorado Boulder
ES

Javier Porras Madero3:00 PM, CC- 26

Presentation Title: (An)Other Campaign? Reckoning with Ruptures in Zapatistas’ Perception of Dignity after the Sixth Declaration
Research Mentor: Maria Josefina Saldana-Portillo
Research Institution: New York University
Home Institution: New York University
Co-Authors: Maria Josefina Saldana-Portillo, New York University
HU

Elijah Porter5:15 PM, CC- 27

Presentation Title: Pixelating Rainbows: Examining Reactions to Queer Suppression in Children’s Cartoons
Research Mentor: Anna McCarthy
Research Institution: New York University
Home Institution: Fisk University
Co-Authors: Anna McCarthy, New York University
HU

Jasmine Pressley.....3:45 PM, CC- 26

Presentation Title: In Defense of the Condemned: The False Justice of Last Words
Research Mentor: Natalie Strobach
Research Institution: Johns Hopkins University
Home Institution: Johns Hopkins University
Co-Authors: Natalie Strobach, Johns Hopkins University
HU

Molly Prunty 11:30 AM, CC- 24

Presentation Title: Hamlet: The Art of the Cut
Research Mentor: Natalie Strobach
Research Institution: Johns Hopkins University
Home Institution: Johns Hopkins University
Co-Authors: Natalie Strobach, Johns Hopkins University
HU

Yanixa Quinones Aviles..... 11:30 AM, CC- 13

Presentation Title: Can CRISPR-Mediated Mutagenesis Overcome Genetic Redundancy Between Tightly Linked Protein Phosphatase Regulatory Subunits?
Research Mentor: Alison DeLong
Research Institution: Brown University
Home Institution: UPR-Aguadilla
Co-Authors: Alison DeLong and Briana Nunez, Brown University
BB

Nicole Rakhmanova12:00 PM, CC- 13
 Presentation Title: The Functional Role of Bestrophin-1
 in Retinal Pigment Epithelium Cells
 Research Mentor: Ching-Hwa Sung
 Research Institution: Weill Cornell Medical College
 Home Institution: Hunter College
 Co-Authors: Wataru Otsu, Jen-Zen Chuang and
 Ching-Hwa Sung, Weill Cornell Medical College
 BB

Andrea Ramirez5:45 PM, CC- 12
 Presentation Title: Structure of Blood Coagulation
 Factor XIII/XIIIa and Interactions with
 Fibrin(ogen) Studied with Atomic Force
 Microscopy
 Research Mentor: John W. Weisel
 Research Institution: University of Pennsylvania
 Home Institution: University of Texas at El Paso
 Co-Authors: Anna D. Protopopova, Rustem I. Litvinov
 and John W. Weisel, University of Pennsylvania
 BB

Gustavo Ramirez 11:30 AM, CC- 23
 Presentation Title: Observation of Materials Using
 Time-resolved Terahertz Microscopy and Pump
 Probe Scheme
 Research Mentor: Aaron Lindenberg
 Research Institution: Stanford University
 Home Institution: Hunter College
 Co-Authors: Aaron Lindenberg and Burak Guzelturk,
 Stanford University
 EN

Jennifer Ramirez5:45 PM, CC- 21
 Presentation Title: Developing Human Hsp70 Variants
 to Counter Neurodegeneration
 Research Mentor: James Shorter
 Research Institution: University of Pennsylvania
 Home Institution: CSU Long Beach
 Co-Authors: Ipsita Subudhi and James Shorter,
 University of Pennsylvania
 BB

Maria Raven 10:30 AM, CC- 27
 Presentation Title: Cultivating Self-Determination: A
 Case Study of an Urban Farm in the South Bronx
 Research Mentor: Van Tran
 Research Institution: Columbia University
 Home Institution: Amherst College
 Co-Authors: Van Tran, Columbia University
 SS

Kyle Ray5:45 PM, CC- 16
 Presentation Title: The Effects of Cholesterol on TGF-
 beta Signaling in Vascular Smooth Muscle Cells
 Research Mentor: Edward Fisher
 Research Institution: New York University
 Sackler Institute
 Home Institution: Colorado State University
 Co-Authors: Edward Fisher and Sonia Bergaya,
 New York University
 BB

Thomas Rechtman12:30 PM, CC- 22
 Presentation Title: Inverse Problem in Geomagnetism
 Research Mentor: Doug Hardin
 Research Institution: Vanderbilt University
 Home Institution: University of Central Florida
 Co-Authors: Doug Hardin and Cristobal Villalobos,
 Vanderbilt University
 PS

Alejandra Regla-Vargas12:00 PM, CC- 26
 Presentation Title: Xicana Cyber Activism: A Tool for
 Transformational Resistance Against Eurocentric
 Body Standards
 Research Mentor: Marybeth Gasman
 Research Institution: University of Pennsylvania
 Home Institution: CSU Dominguez Hills
 Co-Authors: Marybeth Gasman, University of
 Pennsylvania
 SS

Aidan Reilly3:30 PM, CC- 17
 Presentation Title: Examining the Genetic Architecture
 of Bone Mineral Density Using Sets of Fine
 Mapped Causal Variants and Single Nucleotide
 Polymorphism Heritability
 Research Mentor: Mathew Maurano
 Research Institution: New York University
 Sackler Institute
 Home Institution: Johns Hopkins University
 Co-Authors: Matthew Maurano, New York University
 AB

Gabriella Rice5:00 PM, CC- 17
 Presentation Title: Identifying Cbl/Cbl-b Inhibitors for
 Hematopoietic Stem Cell Expansion
 Research Mentor: Wei Tong
 Research Institution: University of Pennsylvania
 Home Institution: University of Texas at San Antonio
 Co-Authors: Nicholas Holdreith, Kaosheng Lyu and
 Wei Tong, University of Pennsylvania
 BB

Rocio Rivera Rodriguez5:15 PM, CC- 16

Presentation Title: Study of Actin Binding by the N-Terminus of Leiomodrin - An Actin Nucleator in Human Muscles

Research Mentor: Roberto Domínguez

Research Institution: University of Pennsylvania

Home Institution: UPR-Rio Piedras

Co-Authors: Malgorzata Boczkowska, Grzegorz Rebowski and Roberto Domínguez, University of Pennsylvania

BB

Charles Robbins4:00 PM, CC- 13

Presentation Title: Comparing the Proteomes of ARID1A Knockdown and Wildtype Human Ovarian Clear Cell Carcinoma Using a Mouse Xenograft Model

Research Mentor: David Speicher

Research Institution: University of Pennsylvania

Home Institution: Florida State University

Co-Authors: David W. Speicher and Aaron R. Goldman, The Wistar Institute

AB

Jessica Robinson12:30 PM, CC- 16

Presentation Title: The Impact of Single Nucleotide Polymorphisms on Ectonucleotidase Activities

Research Mentor: Roman Covarrubias

Research Institution: Vanderbilt University

Home Institution: Norfolk State University

Co-Authors: Richard Gumina and Roman Covarrubias, Vanderbilt University

BB

Danielle Rodriguez 11:45 AM, CC- 13

Presentation Title: Investigation into PPP1CA and Hdac2 Activities in Immediate Early Gene Transcription

Research Mentor: Celeste Greer

Research Institution: Vanderbilt University

Home Institution: Heritage University

Co-Authors: Celeste Greer and David Sweatt, Vanderbilt University

BB

Moises Rodriguez5:15 PM, CC- 23

Presentation Title: Global RAGE- and DIAPH1- deficiency Alters Impaired Microglia Morphology and AGE Accumulation during Aging

Research Mentor: Ann Schmidt

Research Institution: New York University

Sackler Institute

Home Institution: Medgar Evers College CUNY

Co-Authors: Julia Derk, Michael MacLean and Ann Marie Schmidt, New York University

BB

Mayra Romero3:00 PM, CC- 12

Presentation Title: Selective Targeting of Immunosuppressive Tumor Associated Macrophages (TAMs) to Improve the Outcome of CAR T-cell Therapy in Ovarian Cancer

Research Mentor: Daniel Powell

Research Institution: University of Pennsylvania

Home Institution: Ramapo College of New Jersey

Co-Authors: Alba Rodriguez Garcia and Daniel J. Powell Jr., University of Pennsylvania

AB

Florissell Rosales4:00 PM, CC- 27

Presentation Title: Overgeneral Autobiographical Memory As A Link Between Childhood Stress And Suicidal Behavior

Research Mentor: Regina Miranda

Research Institution: Hunter College

Home Institution: CSU San Bernardino

Co-Authors: Jorge Valderrama, SUNY Downstate Medical Center; Regina Miranda, Hunter College

SS

Derick Rosario2:45 PM, CC- 12

Presentation Title: Assessing the Role of Calcium Signaling in Epithelial-Mesenchymal Transition (Emt)

Research Mentor: Ben Stanger

Research Institution: University of Pennsylvania

Home Institution: UPR-Rio Piedras

Co-Authors: Ben Z. Stanger and Robert J. Norgard, University of Pennsylvania

AB

Jonathan Rosario3:00 PM, CC- 23

Presentation Title: Multi-band and Multi-adaptive Hybrid Couplers with Multiple Levels of Transfer Function Adaptivity
 Research Mentor: Dimitra Psychogiou
 Research Institution: University of Colorado Boulder
 Home Institution: UPR-Mayaguez
 Co-Authors: Dimitra Psychogiou, University of Colorado Boulder
 EN

Gloire Rubambiza 11:45 AM, CC- 23

Presentation Title: Measurement and Statistical Analysis of Submarine Internet Cable Performance
 Research Mentor: Dirk Grunwald
 Research Institution: University of Colorado Boulder
 Home Institution: Grand Valley State University
 Co-Authors: Dirk Grunwald and Eric Wustrow, University of Colorado Boulder
 PS

Ryan Russell 11:45 AM, CC- 27

Presentation Title: The Diverging Road To Freedom: The Competing Visions for Black Political Ideologies
 Research Mentor: Lawrie Balfour
 Research Institution: University of Virginia
 Home Institution: Morehouse College
 Co-Authors: Lawrie Balfour, University of Virginia
 PE

Fatima S'aidy2:45 PM, CC- 22

Presentation Title: Synthetic Lectins as Reagents for Carbohydrate Synthesis
 Research Mentor: David Mootoo
 Research Institution: Hunter College
 Home Institution: LaGuardia Community College CUNY
 Co-Authors: David Mootoo and Steven Truong, Hunter College
 PS

Jacqueline Saenz..... 11:15 AM, CC- 15

Presentation Title: Characterizing the Effects of Polycystin-2-Like-1 Loss in Keratinocytes
 Research Mentor: Ellen Ezratty
 Research Institution: Columbia University
 Home Institution: CSU Northridge
 Co-Authors: Ellen Ezratty and Claudia Becerra, Columbia University
 BB

Gabriela Salas.....5:45 PM, CC- 27

Presentation Title: Sterilization, the "Only" Form of Contraception for Latina Women: A historical analysis behind the use of sterilization on Chicana and Latina women in the United States and Puerto Rico throughout the second half of the 20th century
 Research Mentor: Graciela Montaldo
 Research Institution: Columbia University
 Home Institution: University of Maryland, Baltimore County
 Co-Authors: Graciela Montaldo, Columbia University
 HU

Marcos Sanchez Navarro.3:45 PM, CC- 16

Presentation Title: Developing a Transcriptional Assay to Determine the Concentration of Type 1 Interferon in Mouse Serum
 Research Mentor: Patrick Seale
 Research Institution: University of Pennsylvania
 Home Institution: Universidad Metropolitana
 Co-Authors: Megan Kissig and Patrick Seale, University of Pennsylvania
 AB

Kailah Santos.....12:00 PM, CC- 24

Presentation Title: Comparative Study of Race through the Scholarship of Speculative Fiction
 Research Mentor: Paula Moya
 Research Institution: Stanford University
 Home Institution: New College of Florida
 Co-Authors: Paula Moya and Andrew Shephard, Stanford University
 HU

Ariella Saslafsky 11:15 AM, CC- 17

Presentation Title: Sympathetic Innervation of Pancreatic Islets in Individuals with Type 1 Diabetes
 Research Mentor: Alvin Powers
 Research Institution: Vanderbilt University
 Home Institution: University of Central Florida
 Co-Authors: Al Powers, Rachana Haliyur and Marcela Brissova, Vanderbilt University
 AB

Cesar Saucedo4:00 PM, CC- 21

Presentation Title: The Impact of Protein Scaffolds to the Photo Physical Properties of Tris(bipyridine) Ruthenium(II)
 Research Mentor: Jared Lewis
 Research Institution: University of Chicago
 Home Institution: DePaul University
 Co-Authors: Jared Lewis and Yifan Gu, University of Chicago
 PS

Brianna Scott.....5:45 PM, CC- 11

Presentation Title: Investigation of Epigenetic Regulation of HIF-1A in Pregnant Nigerian Women Exposed to House Air Pollution using Bisulfite Sequencing
 Research Mentor: Funmi Olopade
 Research Institution: University of Chicago
 Home Institution: University of Miami
 Co-Authors: Funmi Olopade and Sola Olopade, University of Chicago
 AB

Scott Segura.....5:15 PM, CC- 15

Presentation Title: Evaluating the INTACT Method of Nuclei Isolation on Plasmodium falciparum Gametocytes
 Research Mentor: Chantal Harris
 Research Institution: Weill Cornell Graduate School
 Home Institution: University of Texas at Dallas
 Co-Authors: Björn Kafsack and Chantal Harris, Weill Cornell Graduate School
 BB

David Shirley..... 11:45 AM, CC- 14

Presentation Title: Structural Stability of Endophilin-NBAR Mutants
 Research Mentor: Tobias Baumgart
 Research Institution: University of Pennsylvania
 Home Institution: Rowan University
 Co-Authors: Tobias Baumgart and Rui Jin, University of Pennsylvania
 BB

Muyu Situ 10:15 AM, CC- 13

Presentation Title: Searching for Locomotion Defects in a C. Elegans Model of Amyotrophic Lateral Sclerosis
 Research Mentor: Anne Hart
 Research Institution: Brown University
 Home Institution: Hunter College
 Co-Authors: Anne Hart, Saba Baskoylu and Jeremy Lins, Brown University
 AB

Zainab Soetan2:45 PM, CC- 21

Presentation Title: A Mathematical Approach To Characterizing Enhancer RNA Profiles For Inferring Transcription Factor Activity
 Research Mentor: Robin Dowell
 Research Institution: University of Colorado Boulder
 Home Institution: Brown University
 Co-Authors: Robin Dowell, University of Colorado Boulder
 PS

Ivan Soler..... 10:45 AM, CC- 12

Presentation Title: Increased Hippocampal Neurogenesis by Entorhinal Cortex Stimulation is Accompanied by Changes in Stem Cell Populations
 Research Mentor: Amelia Eisch
 Research Institution: University of Pennsylvania
 Home Institution: Vassar College
 Co-Authors: Amelia Eisch and Sanghee Yun, University of Pennsylvania
 BB

Joshua Soto-Ocana.....3:45 PM, CC- 12

Presentation Title: The Role of Interleukin-13 in Soft Tissue Sarcoma
 Research Mentor: Malay Haldar
 Research Institution: University of Pennsylvania
 Home Institution: UPR-Mayaguez
 Co-Authors: Ian W. Folkert and Malay Haldar, University of Pennsylvania
 BB

Mariluz Soula3:00 PM, CC- 11

Presentation Title: Screening to Identify Druggable Synthetic Vulnerabilities in Leukemia and Colorectal Cancer
 Research Mentor: Valerio Donato
 Research Institution: New York University Sackler Institute
 Home Institution: Florida International University
 Co-Authors: Valerio Donato, Daniele Simoneschi and Michele Pagano, New York University
 AB

Shakirah Ssebyala3:45 PM, CC- 13

Presentation Title: Assessment of the Effect of Suppression of Polymerase Epsilon in High Grade Serous Ovarian Carcinomas
 Research Mentor: Richard Possemato
 Research Institution: New York University Sackler Institute
 Home Institution: UMass Amherst
 Co-Authors: Richard Possemato and Vladislav Sviderskiy, New York University
 AB

Franklin Daniel Staback Rodriguez ..2:45 PM, CC- 16

Presentation Title: Investigating the Role of CD8 T Cells in Very Early Onset Inflammatory Bowel Disease
 Research Mentor: Gregory Sonnenberg
 Research Institution: Weill Cornell Graduate School
 Home Institution: UPR-Rio Piedras
 Co-Authors: Gregory F. Sonnenberg, Weill Cornell Medical College
 AB

Ja'Kayla Sterling 10:45 AM, CC- 27

Presentation Title: What Factors Play an Important Role in Determining Whether Someone is Externally or Internally Focused?

Research Mentor: Daniel Levin

Research Institution: Vanderbilt University

Home Institution: Dillard University

Co-Authors: Daniel Levin, Vanderbilt University

SS

Shuofei Sun.....3:45 PM, CC- 11

Presentation Title: Characterization of Cancer-Associated CARM1 Variants

Research Mentor: Minkui Luo

Research Institution: Weill Cornell Medical College

Home Institution: SUNY Binghamton

Co-Authors: Minkui Luo, Memorial Sloan Kettering Cancer Center

BB

Isaiah Swann3:15 PM, CC- 11

Presentation Title: Discovery of Small Molecule EZH2 Inhibitors for Glioblastoma Multiforme

Research Mentor: Rui Liang

Research Institution: Weill Cornell Medical College

Home Institution: University of Texas at Dallas

Co-Authors: Rui Liang, Mayako Michino and Richard Phillips, Weill Cornell/Rockefeller/Sloan-Kettering Tri-Institutional

BB

Matthew Taitano5:00 PM, CC- 27

Presentation Title: The Transgender Tipping Point: Examining Trans Identities in the Media and Prison Industrial Complex

Research Mentor: Josef Sorett

Research Institution: Columbia University

Home Institution: Princeton University

Co-Authors: Josef Sorett, Columbia University

HU

Cameron Thompson.....4:45 PM, CC- 11

Presentation Title: Possible Role of LRRK2 in Microtubule Based Motility and Autophagy

Research Mentor: Erika Holzbaur

Research Institution: University of Pennsylvania

Home Institution: Gettysburg College

Co-Authors: Erika Holzbaur, Andrea Stavoe and Chantell Evans, University of Pennsylvania

BB

Jessica Tolbert3:00 PM, CC- 17

Presentation Title: Understanding VISTA Expression During Sepsis

Research Mentor: Alfred Ayala

Research Institution: Brown University

Home Institution: Claflin University

Co-Authors: Bethany Biron Girard and Alfred Ayala, Brown University

AB

Kyabeth Torres 9:15 AM, CC- 13

Presentation Title: Distinct Brain Stem and Motor Circuit Activation in Response to Itch and Pain

Research Mentor: Wenqin Luo

Research Institution: University of Pennsylvania

Home Institution: UPR-Humacao

Co-Authors: Wenqin Luo and Kim Kridsada, University of Pennsylvania

BB

Gabriela Torres Figueroa..... 10:15 AM, CC- 27

Presentation Title: Gender Differences in Emotion Regulation: The Psychophysiological Effect of Social Interaction and Stress

Research Mentor: Niall Bolger

Research Institution: Columbia University

Home Institution: Carlos Albizu University

Co-Authors: Abdiel Flores and Niall Bolger, Columbia University

SS

Oanh Tran5:45 PM, CC- 23

Presentation Title: The Effect of Longevity Modulating Pathway on Caenorhabditis Models of Huntington Disease

Research Mentor: Sylvia Lee

Research Institution: Cornell University

Home Institution: University of Texas at Austin

Co-Authors: Sylvia Lee and Cheng-Lin Li, Cornell University

BB

Kevin Trinh12:15 PM, CC- 21

Presentation Title: Understanding Volcanic Activity Through Water Vapor Emissions at Turrialba Volcano, Costa Rica

Research Mentor: Christian Huber

Research Institution: Brown University

Home Institution: Bowdoin College

Co-Authors: Tarsilo Girona and Christian Huber, Brown University

ES

Gabriela Trinidad-Pérez.....3:15 PM, CC- 25

Presentation Title: Latina Women in Immigration Narratives and Beatriz at Dinner: A Look at U.S. Films Before and During the Trump Era
Research Mentor: Denise Walsh
Research Institution: University of Virginia
Home Institution: UPR-Rio Piedras
Co-Authors: Denise Walsh, University of Virginia
SS

Urbi Tucker12:15 PM, CC- 14

Presentation Title: The Study and Mechanisms of RPE Damage by Lipid Bisretinoids
Research Mentor: Marcelo Nociari
Research Institution: Weill Cornell Graduate School
Home Institution: Howard University
Co-Authors: Marcelo Nociari and Chendong Pan, Weill Cornell Graduate School
BB

Abbey Van Alstyne..... 11:45 AM, CC- 21

Presentation Title: Investigating Deliquescence and Efflorescence of Mars-like Soils from the Atacama Desert and Implications for Liquid Water Near the Martian Surface
Research Mentor: Margaret Tolbert
Research Institution: University of Colorado Boulder
Home Institution: Rensselaer Polytechnic Institute
Co-Authors: Margaret Tolbert, University of Colorado Boulder
ES

Victor Vazquez Marrero12:15 PM, CC- 15

Presentation Title: Developing Assays to Determine Sex Ratio of Plasmodium falciparum Gametocytes
Research Mentor: Björn Kafsack
Research Institution: Weill Cornell Graduate School
Home Institution: UPR-Rio Piedras
Co-Authors: Björn Kafsack and Christopher Nötzel, Weill Cornell Medical College
AB

Alexandra Vázquez Salgado.....3:15 PM, CC- 13

Presentation Title: Determining the Role of PI3K Inhibition to Enhance Tumor Infiltrating Immune Responses in PTEN-Deficient Prostate Cancer
Research Mentor: Akash Patnaik
Research Institution: University of Chicago
Home Institution: UPR-Rio Piedras
Co-Authors: Akash Patnaik, Brian Olson and Priyanka Duttagupta, University of Chicago
AB

Jesse Velasco3:00 PM, CC- 13

Presentation Title: Acetyl-CoA Synthetase 2 is a Critical Enzyme for Cancer Cell Survival During Hypoxic and Nutrient Stress
Research Mentor: Zachary Schug
Research Institution: University of Pennsylvania
Home Institution: Southwestern Oklahoma State University
Co-Authors: Zachary Schug, University of Pennsylvania
BB

Yoheilly Velázquez 9:30 AM, CC- 13

Presentation Title: Structural Plasticity Analysis of Drosophila Sleep Circuit After Thermogenetic Sleep Deprivation
Research Mentor: Christine Dubowy
Research Institution: University of Pennsylvania
Home Institution: UPR-Ponce
Co-Authors: Christine Dubowy and Amita Sehgal, University of Pennsylvania
BB

Gabriela Vida12:15 PM, CC- 17

Presentation Title: POGUT1 as a Candidate Genetic Modifier of Alagille Syndrome
Research Mentor: Nancy Spinner
Research Institution: University of Pennsylvania
Home Institution: Fairfield University
Co-Authors: Melissa Gilbert and Nancy Spinner, University of Pennsylvania
BB

Marisol Villaseñor3:00 PM, CC- 27

Presentation Title: Investigating the Psychophysiological Response to Self-Affirmation and Rumination
Research Mentor: Niall Bolger
Research Institution: Columbia University
Home Institution: DePaul University
Co-Authors: Niall Bolger and Abdiel Flores, Columbia University
SS

Vanetta Walley12:30 PM, CC- 13

Presentation Title: Characterization of a Novel Ethylene Response Gene in Arabidopsis thaliana
Research Mentor: Alison DeLong
Research Institution: Brown University
Home Institution: Tougaloo College
Co-Authors: Emma Corcoran and Alison DeLong, Brown University
AB

Alexander Weingart.....4:45 PM, CC- 13

Presentation Title: Effects of Acrolein and Cigarette
Smoke on Lung Inflammation Signaling
Research Mentor: Sharon Rounds
Research Institution: Brown University
Home Institution: University of Vermont
Co-Authors: Sharon Rounds, Qing Lu and Miles Mundy,
Brown University
AB

Jira White3:00 PM, CC- 21

Presentation Title: Synthesis of the Scaffolding Backbone
of an Ent-Kauranoid Species, Eriocalyxin B, via a
Versatile C-C Bond Activation Method known as
“Cut and Sew”
Research Mentor: Guangbin Dong
Research Institution: University of Chicago
Home Institution: Claflin University
Co-Authors: Guangbin Dong, Brent A. Billet and
Alexander J. Rago, University of Chicago
PS

Aman Williams.....5:30 PM, CC- 27

Presentation Title: For the Culture: Black Girls and Black
Power, 1966-1986
Research Mentor: Michael Ralph
Research Institution: New York University
Home Institution: University of California Los Angeles
Co-Authors: Michael Ralph, New York University; Sarah
Haley, University of California, Los Angeles
HU

Briana Williams3:45 PM, CC- 24

Presentation Title: “Well the election happened”:
Early Adolescents’ Personal and Interpersonal
Experiences of the 2016 Presidential Election
Research Mentor: Joanna Williams
Research Institution: University of Virginia
Home Institution: Claflin University
Co-Authors: Joanna Williams, University of Virginia
SS

Janai Williams.....3:30 PM, CC- 27

Presentation Title: Exploring Individual Variability in
Escalation of Opiate Intake in Sign-Trackers and
Goal-Trackers
Research Mentor: Donna Calu
Research Institution: University of Maryland,
Baltimore County
Home Institution: Brooklyn College CUNY
Co-Authors: Helen M. Nasser, University of Maryland,
Baltimore County; Guillermo Esber, Brooklyn
College; Donna J. Calu, University of Maryland,
Baltimore County
SS

Imani Williford5:15 PM, CC- 25

Presentation Title: The Art of Advancement: Curating
Aboriginal Art
Research Mentor: Henry Skerritt
Research Institution: University of Virginia
Home Institution: University of Pittsburgh
Co-Authors: Henry Skerritt, University of Virginia
HU

Emily Winstead.....4:45 PM, CC- 26

Presentation Title: Redefining Normal: Constructions of
Gender in the DSM-5
Research Mentor: Natalie Strobach
Research Institution: Johns Hopkins University
Home Institution: Johns Hopkins University
Co-Authors: Natalie Strobach, Johns Hopkins University
HU

Yee-Ann Wong12:15 PM, CC- 22

Presentation Title: Measuring Recruitment and
Retention Rates of Artificial Seagrass Units in
Biscayne Bay, Florida
Research Mentor: Diego Lirman
Research Institution: University of Miami
Home Institution: UC Santa Barbara
Co-Authors: Diego Lirman and Ryan Sirota,
University of Miami
ES

Anthonia Wray..... 11:15 AM, CC- 12

Presentation Title: Activation of AHR in the Liver and
Endothelial Cells Can Cause Hemorrhaging
Research Mentor: Jessica Plavicki
Research Institution: Brown University
Home Institution: University of Connecticut
Co-Authors: Jessica Plavick and Nathan Martin,
Brown University
AB

Veronika Yakovishina.....12:30 PM, CC- 17

Presentation Title: Regulatory Function of eNOS-NO
Signaling in Fat Metabolism

Research Mentor: Harry Ischiropoulos

Research Institution: University of Pennsylvania

Home Institution: John Jay College of Criminal Justice
CUNY

Co-Authors: Harry Ischiropoulos, Paschalis-Thomas
Doulias and Margarita Tenopoulou, University of
Pennsylvania

AB

Marcelo Yáñez5:30 PM, CC- 25

Presentation Title: Continuance of Life: Aesthetic
Transmission Between Peter Hujar and David
Wojnarowicz

Research Mentor: Marvin Taylor

Research Institution: New York University

Home Institution: New York University

Co-Authors: Marvin J Taylor, New York University
HU

Zhiren Zheng4:00 PM, CC- 22

Presentation Title: Growth and Characterization of
Atomic-thick Topological Crystalline Insulator
SnTe Films

Research Mentor: Fred Walker

Research Institution: Yale University

Home Institution: UC Berkeley

Co-Authors: Ke Zou, Frederick Walker and Charles
Ahn, Yale University

PS

Poster Presentations by Name

Adetunji Adeniran-Adetoye, 31

Presentation Title: Fast-Scan Cyclic Voltammetry
Detection of Acetylcholine Stimulated
Dopamine and Octopamine Release in *Drosophila*
Melanogaster Ventral Nerve Cord
Research Mentor: Jill Venton
Research Institution: University of Virginia
Home Institution: Morgan State University
Co-Authors: Jill Venton and Mi Mi Shin,
University of Virginia

Tangi Akauola, 83

Presentation Title: Rhodium Catalyzed Alkylation and
Alkenylation of Arenes
Research Mentor: Thomas Gunnoe
Research Institution: University of Virginia
Home Institution: Piedmont Virginia
Community College
Co-Authors: Thomas Brent Gunnoe and Weihao Zhu,
University of Virginia

Favour Akinjiyan, 27

Presentation Title: Lead Discovery and Chemical
Biology Approaches in the Ubiquitin
Proteasome System
Research Institution: Novartis Institutes for
BioMedical Research
Co-Authors: Seth Carbonneau and Nathan Ross,
Novartis Institutes for BioMedical Research

Stephanie Albarracin, 87

Presentation Title: Characterizing Adiabatic Pulses with
Liquid State NMR
Research Mentor: Chandrasekhar Ramanathan
Research Institution: Dartmouth College
Home Institution: Hunter College
Co-Authors: Chandrasekhar Ramanathan, Dartmouth
College

Sarai Alvarez, 82

Presentation Title: Using Data Analytics to Explore the
Role and Classification of Facebook Features and
Psychological Data in Social Anxiety
Research Mentor: Laura Barnes
Research Institution: University of Virginia
Home Institution: George Mason University
Co-Authors: Laura Barnes and Yu Huang,
University of Virginia

Shabree Anthony, 89

Presentation Title: The Effect of Ion Liquid Gating on
Dzyaloshinskii-Moriya Interactions
Research Mentor: Sunxiang Huang
Research Institution: University of Miami
Home Institution: University of the Virgin Islands
Co-Authors: Sunxiang Huang and Durga Khadka,
University of Miami

Francis Albert Apolinario, 40

Presentation Title: Expression of the Mammalian
Transcription Factor (NELF) in *Saccharomyces*
cerevisiae
Research Mentor: Olga Viktorovskaya
Research Institution: Harvard University, Division of
Medical Sciences
Home Institution: UC Santa Cruz
Co-Authors: Olga Viktorovskaya, Harvard Medical
School; Fred Winston, Harvard Medical School,
Dept of Genetics

Andrew Asante, 1

Presentation Title: Too Exhausted to Save: The Role of
Immune-Checkpoint Receptors in the Tumor
Microenvironment
Research Institution: Novartis Institutes for
BioMedical Research
Co-Authors: Andrew Asante, Yan Xu, Glenn Dranoff
and Daniela Cipoletta, Novartis Institutes for
BioMedical Research

Gregory Bacon, 94

Presentation Title: The Impact of Education Level on
Drinking Identity
Research Mentor: Bethany Teachman
Research Institution: University of Virginia
Home Institution: Hampton University
Co-Authors: Bethany Teachman, University of Virginia

Elena Bagatelas, 64

Presentation Title: The Effects of Age and Use on Late
Life Reproduction in *C. remanei* and *C. elegans*
fog-2 Worms
Research Mentor: Zuzana Kocsisova
Research Institution: Washington University in St. Louis
Home Institution: University of Tennessee-Knoxville
Co-Authors: Zuzana Kocsisova and Kerry Kornfeld,
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Michelle Barba, 32

Presentation Title: Screening Sulfonyl-Triazole Library for Novel Diacylglycerol Lipase-Beta (DAGLB) Inhibitors
 Research Mentor: Ken Hsu
 Research Institution: University of Virginia
 Home Institution: Heritage University
 Co-Authors: Ku-Lung Hsu, University of Virginia; Seo Yeon Yoo, Amherst College; Jiyun Shin, University of Virginia

Marilyn Barragan, 44

Presentation Title: Characterization of Tetraspanin CD82 Protein Domains Important for Plasma Membrane Sub-Localization
 Research Mentor: Emanuela Gussoni
 Research Institution: Harvard University, Division of Medical Sciences
 Home Institution: University of Kansas
 Co-Authors: Marilyn Barragan, Harvard University Div. of Medical Sciences; Emanuela Gussoni, Boston Children's Hospital and Harvard Medical School

Myles Bartholomew, 36

Presentation Title: Characterizing Clinical Strains of Pseudomonas aeruginosa Post Transposon Mutagenesis
 Research Mentor: Brent Berwin
 Research Institution: Dartmouth College
 Home Institution: Xavier University of Louisiana
 Co-Authors: Sally Demirdjian, Hector Sanchez and Brent Berwin, Dartmouth College

Jazmine Baylor, 49

Presentation Title: Effects of Metformin Treatment and Running Activity on Brain Beta-Amyloid Plaque Accumulation in the APP+/PS1+ Mouse Model of Alzheimer's Disease
 Research Mentor: Joanne Allard
 Research Institution: Howard University
 Home Institution: Tougaloo College
 Co-Authors: Joanne Allard, Howard University

Ilex Beltran-Najera, 98

Presentation Title: How Words Compete During Speech Perception
 Research Mentor: Jonathan Peelle
 Research Institution: Washington University in St. Louis
 Home Institution: San Diego State University
 Co-Authors: Chad Rodgers and Jonathan Peelle, Washington University in St. Louis

Brandon Berk, 88

Presentation Title: The Evolution of Cooperation - C++ Coding of Social Networks using "The Prisoners Dilemma"
 Research Mentor: Feng Fu
 Research Institution: Dartmouth College
 Home Institution: Heritage University
 Co-Authors: Tommy Khoo and Feng Fu, Dartmouth College

Danielle Boateng, 10

Presentation Title: Investigating the Role of BET Proteins in Adipose Tissue Adaptive Thermogenesis
 Research Mentor: Larry Pessolano
 Research Institution: Harvard University, Division of Medical Sciences
 Home Institution: University of Maryland, Baltimore County
 Co-Authors: Jorge Plutzky, Brigham and Women's Hospital, HMS; Larry Pessolano, Brigham and Women's Hospital

Angel Boulware, 8

Presentation Title: Psychosocial Adversity as a Determinant of Psychopathology in a Child Inpatient Sample
 Research Mentor: Marcos Grados
 Research Institution: Johns Hopkins University
 Home Institution: Spelman College
 Co-Authors: Marco Grados and Anuradha Haridhas, Johns Hopkins University

Sabrina Bracero, 62

Presentation Title: Asymmetries Of DNA Replication Molecules During Germline Stem Cell Division
 Research Mentor: Xin Chen
 Research Institution: Johns Hopkins University
 Home Institution: College of William & Mary
 Co-Authors: Xin Chen and Jonathan Snedeker, Johns Hopkins University

Artemisa Bulku, 14

Presentation Title: Airway "Sugarcoating" and its Effect in Asthma Microbial Exacerbations
 Research Mentor: Kevin White
 Research Institution: Novartis Institutes for BioMedical Research
 Home Institution: Suffolk University
 Co-Authors: Khaushik Subramanian and Kevin White, Novartis Institutes for BioMedical Research

Alexis Carey, 77

Presentation Title: Associations Between Black Carbon Exposure and FeNO Levels in Baltimore City Youth
 Research Mentor: Kirsten Koehler
 Research Institution: Johns Hopkins University
 Home Institution: Clark Atlanta University
 Co-Authors: Ehsan Majd, Kirsten Koehler and Meredith McCormack, Johns Hopkins University

Roberto Castro Gutierrez, 24

Presentation Title: On the Hunt for Drug Targets: Automating a Whole Genome siRNA Screen
 Research Mentor: Peter Aspesi
 Research Institution: Novartis Institutes for BioMedical Research
 Home Institution: University of Texas at El Paso
 Co-Authors: Peter Aspesi, Novartis Institutes for BioMedical Research

Ryan Chipman, 69

Presentation Title: The Potential Use of Dasatinib, a SRC Kinase Inhibitor, for the Treatment of Triple Negative Breast Cancer
 Research Mentor: Amy Bouton
 Research Institution: University of Virginia
 Home Institution: Susquehanna University
 Co-Authors: Amy Bouton, Keena Thomas and Janet Arras, University of Virginia

Almas David, 99

Presentation Title: Tipping Point: An Analysis of the Cost of a Four Year Degree
 Research Mentor: Natalie Strobach
 Research Institution: Johns Hopkins University
 Home Institution:
 Co-Authors: Natalie Strobach, Johns Hopkins University

Sharice Davis, 3

Presentation Title: Generation of Mouse Fibroblast Lines for in vivo Breast Cancer Support
 Research Mentor: Michalina Janiszewska
 Research Institution: Harvard University, Division of Medical Sciences
 Home Institution: Langston University
 Co-Authors: Michalina Janiszewska, DFCI, Dept of Cancer Biology; Kornelia Polyak, DFCI and Harvard Medical School

Jeremy Delgadillo, 97

Presentation Title: Self-Control and Delay of Gratification: Aging and Temptation Effects
 Research Mentor: Todd Braver
 Research Institution: Washington University in St. Louis
 Home Institution: San Diego State University
 Co-Authors: Bidhan Lamichhane and Todd Braver, Washington University in St. Louis

Daniel Delgado, 79

Presentation Title: Effects of Mn(II) Concentration on CeO₂ Nanoparticle Surface Reactions in Complex Natural Water Systems
 Research Mentor: Young-Shin Jun
 Research Institution: Washington University in St. Louis
 Home Institution: San Diego State University
 Co-Authors: Xaunhao Wu and Young-Shin Jun, Washington University in St. Louis

Aastha Dhakal, 53

Presentation Title: Activation by Carbon Dioxide of Neurons in RTN and PreBotzinger Complex in Mice
 Research Mentor: Douglas Bayliss
 Research Institution: University of Virginia School of Medicine
 Home Institution: Ohio State University
 Co-Authors: Yingtang Shi and Douglas Bayliss, University of Virginia

Paula Dorcenat, 86

Presentation Title: Development of Highly Selective Sodium Ion Sensors Based on Neutral Carrier Ionophores
 Research Mentor: Elsayed Zahran
 Research Institution: University of Miami
 Home Institution: Bethune-Cookman University
 Co-Authors: Elsayed Zahran, University of Miami

Jason Dunlap, 95

Presentation Title: Measuring Dyadic Pupil Dilation Synchrony as a Predictor of Autistic Traits
 Research Mentor: Thalia Wheatley
 Research Institution: Dartmouth College
 Home Institution: Brooklyn College CUNY
 Co-Authors: Sophie Wohltjen and Thalia Wheatley, Dartmouth College

Destiny Durante, 78

Presentation Title: Efficacy of a Vegetative Barrier
Reducing NOx Compounds Near Roadways
Research Mentor: Jay Turner
Research Institution: Washington University in St. Louis
Home Institution: Pennsylvania State University
Co-Authors: Jay Turner, Washington University in
St. Louis

Lauren English, 54

Presentation Title: Developmental Expression of Sonic
Hedgehog in the Postnatal Mouse Brain
Research Mentor: Yajun Xie
Research Institution: Harvard University, Division
of Medical Sciences
Home Institution: Pomona College
Co-Authors: Corey Harwell and Yajun Xie, Harvard
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Marlin Figgins, 41

Presentation Title: Genius Flies: Individual
Differences in Learning within Isogenic
Drosophila Populations
Research Mentor: Benjamin de Bivort
Research Institution: Harvard University
Home Institution: University of Chicago
Co-Authors: Matthew Smith, Harvard University,
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and Benjamin de Bivort, Harvard University,
Dept of Organismic and Evol. Bio.

Joelle Fuchs, 12

Presentation Title: The Flavoring Agent Ethyl Maltol
Selectively Mediates Metal Transport
Research Mentor: Joseph Bressler
Research Institution: Johns Hopkins University
Home Institution: North Carolina State University
Co-Authors: Joseph Bressler, Johns Hopkins University

Esmeralda Garcia, 70

Presentation Title: The Effects of Fetal Alcohol
Exposure on Nestin Positive Neurons in the
Dentate Gyrus
Research Mentor: Mark Burke
Research Institution: Howard University
Home Institution: Heritage University
Co-Authors: Mark Burke, Howard University

Jessica Garcia, 37

Presentation Title: Characterization of a Novel Gene
Required for Peptidergic Inhibition of C. elegans
5-Ht Neurons
Research Mentor: Niels Ringstad
Research Institution: New York University
Sackler Institute
Home Institution: University of Miami
Co-Authors: Niels Ringstad and Kara Zang,
New York University

Kennedy Goldsborough, 38

Presentation Title: Exploring Mitochondrial Protein
Homeostasis in Peripheral Axons
Research Mentor: Thomas Schwarz
Research Institution: Harvard University, Division of
Medical Sciences
Home Institution: Hampton University
Co-Authors: Jill Falk, Boston Children's Hospital;
Thomas Schwarz, Boston Children's Hospital;
Harvard Medical School

Kevin Gonzalez, 45

Presentation Title: Characterizing the role of Fat3
Signaling in Retinal Amacrine Cells
Research Mentor: Lisa Goodrich
Research Institution: Harvard University, Division of
Medical Sciences
Home Institution: City College of New York
Co-Authors: Lisa Goodrich, Harvard Medical School,
Dept. of Neurobiology; Evelyn Avilés, Harvard
Medical School

Alan Gutierrez, 50

Presentation Title: The Contribution of Mitochondrial
Architecture to Fatty Acid Oxidation in Diffuse
Large B Cell Lymphoma Metabolism
Research Mentor: Nika Danial
Research Institution: Harvard University, Division of
Medical Sciences
Home Institution: Vassar College
Co-Authors: Pei-Hsuan Chen and Illana Stanley, DFCI,
Dept. of Cancer Biology; Nika Danial, DFCI, Dept
of Cancer Biology and HMS, Dept of Cell Biology

Emily Harrison, 85

Presentation Title: Design and Synthesis of
Nicotinamide N-Methyltransferase (NNMT)
Inhibitors for the Treatment of Obesity and Cancer
Research Mentor: Matthew Shair
Research Institution: Harvard University
Home Institution: Gettysburg College
Co-Authors: Matthew Shair and Rocco Polcarpo,
Harvard University, Dept of Chemistry and
Chemical Biology

Darryl Hill, 30

Presentation Title: Identifying Molecular Targets
to Develop Novel Therapies for Treatment of
Metastatic Neuroblastoma
Research Mentor: Rani George
Research Institution: Harvard University, Division of
Medical Sciences
Home Institution: Morehouse College
Co-Authors: Rani E. George, Dana Farber Cancer
Institute and Harvard Medical School; Yang Gao,
Dana Farber Cancer Institute

Jonathan Hoover, 57

Presentation Title: Kinesin KIF5a Transports RNA
Granules Containing SFPQ and mRNAs that
Promote Axonal Survival
Research Mentor: Rosalind Segal
Research Institution: Harvard University, Division of
Medical Sciences
Home Institution: Santa Clara University
Co-Authors: Yusuke Fukuda, Dana Farber Cancer
Institute; Rosalind Segal, Dana Farber Cancer
Institute and Harvard Medical School

Michael Hopkins, 55

Presentation Title: The Birds, The Bees, and The Fruit
Flies: Using *Drosophila* Copulation to Understand
the Neuronal Circuitry Behind Motivation and
Timing
Research Mentor: Michael Crickmore
Research Institution: Harvard University, Division of
Medical Sciences
Home Institution: North Carolina Central University
Co-Authors: Michael Crickmore, Boston Children's
Hospital and Harvard Medical School; Stephen
Thornquist, Harvard University Div. of Medical
Sciences

Kayla Ingram, 23

Presentation Title: Potential Roles of TACC in
Regulating Microtubule Function During
Synaptogenesis
Research Mentor: David Van Vactor
Research Institution: Harvard University, Division of
Medical Sciences
Home Institution: Hampton University
Co-Authors: David Van Vactor, Harvard Medical
School, Dept of Cell Biology; Vivian Chou,
Harvard University Div. of Medical Sciences;
Maxime Vounatsos, Boston University

Daniel Jacques, 74

Presentation Title: Improving Data Center Energy
Efficiency through End-to-End Cooling Modeling
and Optimization
Research Mentor: Wangda Zuo
Research Institution: University of Miami
Home Institution: University of Maryland,
Baltimore County
Co-Authors: Wangda Zuo and Yangyang Fu,
University of Miami

Yasmin John, 20

Presentation Title: Variations in Predation Responses
and Associated Costs in *Daphnia*
Research Mentor: Alan Bergland
Research Institution: University of Virginia
Home Institution: Virginia Commonwealth University
Co-Authors: Alan Bergland and Karen Barnard-Kubow,
University of Virginia

Dove-Anna Johnson, 92

Presentation Title: Cell Types of the Zebra Finch
Caudal Mesopallium
Research Mentor: Dan Meliza
Research Institution: University of Virginia
Home Institution: University of Virginia
Co-Authors: Dan Meliza, University of Virginia

Marcus Jordan, 90

Presentation Title: Simulation of Nanoparticle Surface
Functionalization via Free Radical Polymerization
Research Mentor: Kateri DuBay
Research Institution: University of Virginia
Home Institution: University of Maryland,
Baltimore County
Co-Authors: Kateri DuBay and Zhongmin Zhang,
University of Virginia

Ziyin Kong, 101

Presentation Title: Innovative Chemical Screening Technologies in Early Drug Discovery
 Research Mentor: Jonathan E. Grob
 Research Institution: Novartis Institutes for BioMedical Research
 Co-Authors: Matthew H. Daniels, Mary C. Andorfer, Jared C. Lewis and Kian L. Tan, Novartis Institutes for BioMedical Research

Ashley Kyalwazi, 34

Presentation Title: Neocortical Layer 6 Corticothalamic Neuron Innervation Patterns in the Thalamus
 Research Mentor: Solange Brown
 Research Institution: Johns Hopkins University
 Home Institution: University of Notre Dame
 Co-Authors: Maxime Chevee and Dr. Solange Brown, Johns Hopkins University

Tiara Lacey, 7

Presentation Title: Crosstalk Between Cell Signaling and Metabolism: Regulation of the Antiporter xCT by the PI3K-AKT Pathway
 Research Mentor: Laura Ghisolfi
 Research Institution: Harvard University, Division of Medical Sciences
 Home Institution: Spelman College
 Co-Authors: Laura Ghisolfi and Evan Lien, Beth Israel Deaconess Medical Center; Alex Toker, Beth Israel Deaconess Medical Center; Harvard Medical School

Dexter Manglicmot, 66

Presentation Title: New Lamin Mutations And Prelamin A Processing
 Research Mentor: Katherine Wilson
 Research Institution: Johns Hopkins University
 Home Institution: Chaminade University of Honolulu
 Co-Authors: Katherine Wilson, Susan Michaelis and Timothy Babatz, Johns Hopkins University

Sanaa Mansoor, 84

Presentation Title: AutoShim: 3D Based Machine Learning Approach for Predicting IC50s of Kinase Assays
 Research Mentor: Eric Martin
 Research Institution: Novartis Institutes for BioMedical Research
 Home Institution: Mount Holyoke College
 Co-Authors: Eric Martin and Valery Polyakov, Novartis Institutes for BioMedical Research

Zaniya Mark, 33

Presentation Title: Testing the Ability of Viral Activation Domains to Boost Transcription Factor Driven Axon Regeneration
 Research Mentor: Vance Lemmon
 Research Institution: University of Miami
 Home Institution: Fayetteville State University
 Co-Authors: Vance Lemmon and Saloni Mehta, University of Miami

Jake Martin, 80

Presentation Title: Resisistance Through Rememberance
 Research Mentor: Henry Skerritt
 Research Institution: University of Virginia
 Home Institution: Southeastern Oklahoma State University
 Co-Authors: Henry Skerritt, University of Virginia

Juan Martínez Cervantes, 16

Presentation Title: Role of Protein Degradation in Stress-Induced Neuromodulation in C.elegans
 Research Mentor: Xicotencatl Gracida
 Research Institution: Harvard University
 Home Institution: Instituto Polit_cnico Nacional
 Co-Authors: Xicotencatl Gracida and Yun Zhang, Harvard University; John A. Calarco, University of Toronto

Asha McElroy, 63

Presentation Title: Application of Pseudorabies Virus to Map Neuronal Connections in the Brain
 Research Mentor: Xiping Zhan
 Research Institution: Howard University
 Home Institution: North Carolina A&T State University
 Co-Authors: Xiping Zhan, Howard University

Curtis McInnis Jr, 68

Presentation Title: Evaluating Baseline Protein and RNA Expression of AnnexinII and SPINK-1 Biomarkers in Different Prostate Cancer Cell Lines
 Research Mentor: Tamaro Hudson
 Research Institution: Howard University
 Home Institution: Stevenson University/Villa Julie
 Co-Authors: Tamaro Hudson, Howard University

Khadija Moctar, 9

Presentation Title: Investigating the Potential Role of Autoantibodies in the Development of Nonischemic Heart Failure
 Research Mentor: Pilar Alcaide
 Research Institution: Tufts University Sackler School of Graduate Biomedical Sciences
 Home Institution: CSU Northridge
 Co-Authors: Pilar Alcaide and Njabulo Ngwenyama, Tufts University School of Graduate Biomedical Sciences

Gian Molina-Castro, 48

Presentation Title: Spatial and Temporal Dynamics of Single Oligodendrocytes During Gray Matter Remyelination
 Research Mentor: Dwight Bergles
 Research Institution: Johns Hopkins University
 Home Institution: UPR-Rio Piedras
 Co-Authors: Cody Call and Dwight E. Bergles, Johns Hopkins University

Katherin Morales, 35

Presentation Title: Difference Between RIP1-Independent and RIP1-Dependent Apoptosis
 Research Mentor: Junying Yuan
 Research Institution: Harvard University, Division of Medical Sciences
 Home Institution: University of Kansas
 Co-Authors: Huibing Wang, Harvard Medical School; Junying Yuan, Harvard Medical School, Dept. of Cell Biology

Danielle Morency, 42

Presentation Title: Assessing Peripheral Somatosensory Neurons as a Potential Therapeutic Target for Autism Spectrum Disorders
 Research Mentor: Lauren Orefice
 Research Institution: Harvard University, Division of Medical Sciences
 Home Institution: Simmons College
 Co-Authors: Jacqueline Mosko, Harvard University Div. of Medical Sciences; Lauren Orefice and David Ginty, Dept of Neurobiology, Harvard Medical School

Omar Moreno-Flores, 73

Presentation Title: Increasing Accessibility to Biomedical Tools using Digital Fabrication
 Research Mentor: Ethan Danahy
 Research Institution: Tufts University
 Home Institution: Heritage University
 Co-Authors: Ethan Danahy and Jean-Michel Molenaar, Tufts University

Jacqueline Mosko, 19

Presentation Title: Understanding Somatosensory Deficits in SHANK3 Mouse Models of Autism Spectrum Disorder
 Research Mentor: Lauren Orefice
 Research Institution: Harvard University, Division of Medical Sciences
 Home Institution: Emmanuel College
 Co-Authors: Danielle Morency, Harvard University Div. of Medical Sciences; Lauren Orefice and David Ginty, Dept. of Neurobiology, Harvard Medical School

Chimwemwe Mwase, 25

Presentation Title: Defenders of the Alveolus: the Fight Against Lung Infections
 Research Institution: Novartis Institutes for BioMedical Research
 Co-Authors: Carla Bauer, Sandeep Daya and Katharine Feldman, Novartis Institutes for BioMedical Research

Joan Ndungu, 11

Presentation Title: Signaling Mechanisms Controlling Islet Vascularization: Role of Beta-adrenergic Signaling
 Research Mentor: Rejji Kuruvilla
 Research Institution: Johns Hopkins University
 Home Institution: Kennesaw State University
 Co-Authors: Alexis Ceasrine and Rejji Kuruvilla, Johns Hopkins University

Keri Ngo, 58

Presentation Title: Investigation into the Structures of PCDH C3 and C5
 Research Mentor: Rachelle Gaudet
 Research Institution: Harvard University
 Home Institution: Boston University
 Co-Authors: Rachelle Gaudet and Elizabeth May, Dept of Molecular and Cellular Biology, Harvard University; Jack Nicoludis, Dept of Chemistry, Harvard University

Gigi Nwagbo, 18

Presentation Title: Studying the Role of Casein Kinase 2 in Medulloblastoma Tumorigenesis in Mouse Models
 Research Mentor: Gordon Li
 Research Institution: Stanford University Engineering
 Home Institution: Stanford University
 Co-Authors: Gordon Li, Ben Jin, Ryan Nitta, Suzana Kahn and Ben Jin, Stanford University

Chiemela Ohanele, 6

Presentation Title: Tumor-derived Exosomes Negatively Impact the Pro-Inflammatory Function of Mucosal Dendritic Cells
 Research Mentor: Melanie Rutkowski
 Research Institution: University of Virginia School of Medicine
 Home Institution: University of Pennsylvania
 Co-Authors: Melanie Rutkowski and Tzu-Yu Feng, University of Virginia

Feyisayo Okelowo, 2

Presentation Title: Capsule Types of Streptococcus Pneumoniae Correlates with Volatile Metabolites
 Research Mentor: Jane Hill
 Research Institution: Dartmouth College
 Home Institution: Morgan State University
 Co-Authors: Theodore Mellors and Jane Hill, Dartmouth College

Amen Onuoha, 100

Presentation Title: !;-? : An Analysis of the Art of Punctuation
 Research Mentor: Natalie Strobach
 Research Institution: Johns Hopkins University
 Home Institution: Towson University
 Co-Authors: Natalie Strobach, Johns Hopkins University

Hope Opia, 72

Presentation Title: Wrinkles in Polymer Thin Films
 Research Mentor: Zi Chen
 Research Institution: Dartmouth College
 Home Institution: Morgan State University
 Co-Authors: Yin Liu and Zi Chen, Dartmouth College

Geoffrey Parriott, 61

Presentation Title: Spontaneous Development of Peripheral Node Addressin on Tumor Associated Endothelial Cells
 Research Mentor: Victor Engelhard
 Research Institution: University of Virginia
 Home Institution: Longwood University
 Co-Authors: Victor Engelhard and Anthony Rodriguez, University of Virginia

Taylor Patrick, 75

Presentation Title: Thread-based Impedance Sensors for Chronic Wound Monitoring
 Research Mentor: Meera Punjiya
 Research Institution: Tufts University
 Home Institution: University of Maryland, Baltimore County
 Co-Authors: Meera Punjiya, Tufts University

Rosalba Ponce, 81

Presentation Title: Songs of a Secret Country; History of Displacement
 Research Mentor: Henry Skerritt
 Research Institution: University of Virginia
 Home Institution: Whittier College
 Co-Authors: Henry Skerritt, University of Virginia

Carla Quinones, 52

Presentation Title: The Importance of a Phenolic Group in the Substrates of Iodotyrosine Deiodinase
 Research Mentor: Steve Rokita
 Research Institution: Johns Hopkins University
 Home Institution: UPR-Rio Piedras
 Co-Authors: Steven Rokita and Anton Kozyryev, Johns Hopkins University

Nicholas Ramirez, 65

Presentation Title: Using Chemical Genetics and Protein Localization to Understand Signaling Pathways in Eukaryotic Cells
 Research Mentor: James Moseley
 Research Institution: Dartmouth College
 Home Institution: UC Irvine
 Co-Authors: Hannah Opalko and James Moseley, Dartmouth College

Francis Reilly-Andoejar, 47

Presentation Title: Surveying Forkhead DNA Binding Domain Specificity to Nucleosomal DNA
 Research Mentor: Luca Mariani
 Research Institution: Harvard University, Division of Medical Sciences
 Home Institution: UPR-Rio Piedras
 Co-Authors: Martha L. Bulyk, Brigham and Women's Hospital; Harvard Medical School; Luca Mariani, Brigham and Women's Hospital

Alma Rivera, 22

Presentation Title: An Integrated Sample Preparation Protocol for Uncompromised 3D Super Resolution Microscopy
 Research Mentor: Andreas Gahlmann
 Research Institution: University of Virginia
 Home Institution: University of Virginia
 Co-Authors: Andreas Gahlmann and Ting Yan, University of Virginia

Jarhonda Roberts, 91

Presentation Title: Creating Cognitive Empathy in Engineering Design
 Research Mentor: Leidy Klotz
 Research Institution: University of Virginia
 Home Institution: University of Virginia
 Co-Authors: Leidy Klotz and Sydney Applegate, University of Virginia

Amani Rogers, 71

Presentation Title: Instrumentation to Study Sea Ice at in situ Temperatures
 Research Mentor: Rachel Obbard
 Research Institution: Dartmouth College
 Home Institution: Morgan State University
 Co-Authors: Alice Bradley and Rachel Obbard, Dartmouth College

Savannah Samuel, 29

Presentation Title: Development of Hepatocellular carcinoma and TP73 Expression: Does DNA Methylation Play a Role?
 Research Mentor: Zaki Sherif
 Research Institution: Howard University
 Home Institution: Xavier University of Louisiana
 Co-Authors: Zaki Sherif, Howard University

Jamila Smith, 76

Presentation Title: A Gassy Earth Makes for Carbon Rebirth: Investigating the Effects of Plate Tectonics on the Carbon Cycle by Measuring Seafloor Spreading Rates
 Research Mentor: Colleen Dalton
 Research Institution: Brown University
 Home Institution: SUNY College at Fredonia
 Co-Authors: Colleen Dalton and Timothy Herbert, Brown University

Chrystal Spencer, 93

Presentation Title: Groups in Mind: Mental Representations, Aggression, and Perception of “Us” versus “Them”
 Research Mentor: Mina Cikara
 Research Institution: Harvard University
 Home Institution: Rutgers University
 Co-Authors: Marius Vollberg, Will Moore and Mina Cikara, Harvard University, Dept of Psychology

Amanda St. Paul, 13

Presentation Title: S-Nitrosoglutathione reductase is Essential for Protecting Female Hearts from Ischemia-reperfusion Injury
 Research Mentor: Mark Kohr
 Research Institution: Johns Hopkins University
 Home Institution: College of New Jersey
 Co-Authors: Mark Kohr, Johns Hopkins University; Ashley Chan, Cornell University; Kevin Casin, Johns Hopkins University

Josephine Tang, 59

Presentation Title: Characterization of the VEGF-Ax mRNA Readthrough Element
 Research Mentor: Victoria D’Souza
 Research Institution: Harvard University
 Home Institution: Boston College
 Co-Authors: Nico Wagner and Victoria D’Souza, Dept of Molecular and Cellular Biology, Harvard University

Brandi Taylor, 4

Presentation Title: ELMO 1 in Differentiation of HL60 Neutrophils
 Research Mentor: Sanja Arandjelovic
 Research Institution: University of Virginia
 Home Institution: Claflin University
 Co-Authors: Sanja Arandjelovic, University of Virginia

Paloma Tuttle, 56

Presentation Title: Isolation of Sanglifehrin A as a Chemical Probe to Characterize Induced Protein-protein Interactions
 Research Mentor: Christina Woo
 Research Institution: Harvard University
 Home Institution: Florida International University
 Co-Authors: Hope Flaxman and Christina Woo, Harvard University, Dept of Chemistry and Chemical Biology

Alina Ulezko Antonova, 15

Presentation Title: Altered Fructose Metabolism in Patients with Hereditary Fructose Intolerance
 Research Mentor: Victoria Vera
 Research Institution: Novartis Institutes for BioMedical Research
 Home Institution: Emory University
 Co-Authors: Victoria Vera and Kevin Clairmont, Novartis Institutes for BioMedical Research

Maria Varela, 60

Presentation Title: Inducible Expression of Lamin B1 in Lamin A/C, Lamin B1, Lamin B2 Triple-Knockout Mouse Embryonic Stem Cells
 Research Mentor: Yixian Zheng
 Research Institution: Johns Hopkins University
 Home Institution: University of Texas at San Antonio
 Co-Authors: Minjie Hu and Yixian Zheng, Johns Hopkins University

Chayla Vazquez, 96

Presentation Title: The Effect of Early Life Enrichment on Cognitive Development
 Research Mentor: Dima Amso
 Research Institution: Brown University
 Home Institution: Emory University
 Co-Authors: Dima Amso and Kevin Bath, Brown University

Alexandria Velasquez, 39

Presentation Title: Construction of the Choroid Plexus During Brain Development
 Research Mentor: Ryan Fame
 Research Institution: Harvard University, Division of Medical Sciences
 Home Institution: Hunter College
 Co-Authors: Ryann Fame, Boston Children's Hospital; Joshua Head, Boston Children's Hospital; Maria Lehtinen, Boston Children's Hospital; Harvard Medical School

Kenny Veliz, 5

Presentation Title: Activation of the Renin Angiotensin-Aldosterone System's Effect on Protein Disulfide Isomerase
 Research Mentor: Jose Romero
 Research Institution: Harvard University, Division of Medical Sciences
 Home Institution: UC Merced
 Co-Authors: Jose Romero, Harvard University Div. of Medical Sciences

Pooja Venugopal, 21

Presentation Title: Characterization of Cilia in Tuberous Sclerosis Complex
 Research Mentor: Alessia Di Nardo
 Research Institution: Harvard University, Division of Medical Sciences
 Home Institution: Boston University
 Co-Authors: Alessia Di Nardo, Boston Children's Hospital; Mustafa Sahin, Harvard Medical School; Boston Children's Hospital

Brandon Walker, 17

Presentation Title: Epigenetic Machinery in Cell Fate Modulation
 Research Mentor: Marius Wernig
 Research Institution: Stanford University Engineering
 Home Institution: Stanford University
 Co-Authors: Marius Wernig and Moritz Mall, Stanford University

Dy'mon Walker, 67

Presentation Title: To Reveal the Biological Importance of the PolyA Signals of the M112N113 Gene of Murine Cytomegalovirus
 Research Mentor: Qi Yi Tang
 Research Institution: Howard University
 Home Institution: Morgan State University
 Co-Authors: Qi Yi Tang, Howard University

JaNiece Walker, 51

Presentation Title: Alu Exons: The Hidden Transcripts
 Research Mentor: JaNiece Walker
 Research Institution: Johns Hopkins University
 Home Institution: Xavier University of Louisiana
 Co-Authors: Lindsay Horvath, Jared Steranka and Kathleen H. Burns, Johns Hopkins University

Terika Williams, 46

Presentation Title: The Role Of Epigenetics in the Expression of TP53 and TP73 in Breast Cancer Cell Lines
 Research Mentor: Terika Williams
 Research Institution: Howard University
 Home Institution: Claflin University
 Co-Authors: Zaki Sherif, Howard University

Joselyn Yamamoto, 43

Presentation Title: Is dbx1b Essential for Habenular Development?
 Research Mentor: Marnie Halpern
 Research Institution: Johns Hopkins University
 Home Institution: CSU Dominguez Hills
 Co-Authors: Michelle Macurak, Sara Roberson and Marnie Halpern, Johns Hopkins University

Fred Yeboah, 26

Presentation Title: The Quest to Escape a "Dead End": Elucidating the Pathways that Promote Nmdar-Mediated Excitotoxicity
 Research Institution: Novartis Institutes for BioMedical Research
 Co-Authors: Anke Bill and Hongqiu Guo, Novartis Institutes for BioMedical Research

Isabella Zafra, 28

Presentation Title: Identification of Small-Molecule Inhibitors of Flavivirus Entry
 Research Mentor: Melissanne de Wispelaere
 Research Institution: Harvard University, Division of Medical Sciences
 Home Institution: York College of Pennsylvania
 Co-Authors: Melissanne de Wispelaere, Harvard University Div. of Medical Sciences; Priscilla Yang, Harvard Medical School, Dept. of Microbiology and Immunobiology

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

1	Andrew Asante	AB	Too Exhausted to Save: The Role of Immune-Checkpoint Receptors in the Tumor Microenvironment
2	Feyisayo Okelowo	AB	Capsule Types of Streptococcus Pneumoniae Correlates with Volatile Metabolites
3	Sharice Davis	AB	Generation of Mouse Fibroblast Lines for in vivo Breast Cancer Support
4	Brandi Taylor	AB	ELMO 1 in Differentiation of HL60 Neutrophils
5	Kenny Veliz	AB	Activation of the Renin Angiotensin-Aldosterone System's Effect on Protein Disulfide Isomerase
6	Chiemela Ohanele	AB	Tumor-derived Exosomes Negatively Impact the Pro-Inflammatory Function of Mucosal Dendritic Cells
7	Tiara Lacey	AB	Crosstalk Between Cell Signaling and Metabolism: Regulation of the Antiporter xCT by the PI3K-AKT Pathway
8	Angel Boulware	AB	Psychosocial Adversity as a Determinant of Psychopathology in a Child Inpatient Sample
9	Khadija Moctar	AB	Investigating the Potential Role of Autoantibodies in the Development of Nonischemic Heart Failure
10	Danielle Boateng	AB	Investigating the Role of BET Proteins in Adipose Tissue Adaptive Thermogenesis
11	Joan Ndungu	AB	Signaling Mechanisms Controlling Islet Vascularization: Role of Beta-adrenergic Signaling
12	Joelle Fuchs	AB	The Flavoring Agent Ethyl Maltol Selectively Mediates Metal Transport
13	Amanda St. Paul	AB	S-Nitrosoglutathione reductase is Essential for Protecting Female Hearts from Ischemia-reperfusion Injury
14	Artemisa Bulku	AB	Airway "Sugarcoating" and its Effect in Asthma Microbial Exacerbations
15	Alina Ulezko Antonova	AB	Altered Fructose Metabolism in Patients with Hereditary Fructose Intolerance
16	Juan Martínez Cervantes	BB	Role of Protein Degradation in Stress-Induced Neuromodulation in C. elegans
17	Brandon Walker	BB	Epigenetic Machinery in Cell Fate Modulation
18	Gigi Nwagbo	BB	Studying the Role of Casein Kinase 2 in Medulloblastoma Tumorigenesis in Mouse Models
19	Jacqueline Mosko	BB	Understanding Somatosensory Deficits in SHANK3 Mouse Models of Autism Spectrum Disorder
20	Yasmin John	BB	Variations in Predation Responses and Associated Costs in Daphnia
21	Pooja Venugopal	BB	Characterization of Cilia in Tuberous Sclerosis Complex
22	Alma Rivera	BB	An Integrated Sample Preparation Protocol for Uncompromised 3D Super Resolution Microscopy
23	Kayla Ingram	BB	Potential Roles of TACC in Regulating Microtubule Function During Synaptogenesis
24	Roberto Castro Gutierrez	BB	On the Hunt for Drug Targets: Automating a Whole Genome siRNA Screen
25	Chimwemwe Mwase	BB	Defenders of the Alveolus: the Fight Against Lung Infections
26	Fred Yeboah	BB	The Quest to Escape a "Dead End": Elucidating the Pathways that Promote Nmdar-Mediated Excitotoxicity

27	Favour Akinjiyan	BB	Lead Discovery and Chemical Biology Approaches in the Ubiquitin Proteasome System
28	Isabella Zafra	BB	Identification of Small-Molecule Inhibitors of Flavivirus Entry
29	Savannah Samuel	BB	Development of Hepatocellular carcinoma and TP73 Expression: Does DNA Methylation Play a Role?
30	Darryl Hill	BB	Identifying Molecular Targets to Develop Novel Therapies for Treatment of Metastatic Neuroblastoma
31	Adetunji Adeniran-Adetoye	BB	Fast-Scan Cyclic Voltammetry Detection of Acetylcholine Stimulated Dopamine and Octopamine Release in <i>Drosophila</i> Melanogaster Ventral Nerve Cord
32	Michelle Barba	BB	Screening Sulfonyl-Triazole Library for Novel Diacylglycerol Lipase-Beta (DAGLB) Inhibitors
33	Zaniya Mark	BB	Testing the Ability of Viral Activation Domains to Boost Transcription Factor Driven Axon Regeneration
34	Ashley Kyalwazi	BB	Neocortical Layer 6 Corticothalamic Neuron Innervation Patterns in the Thalamus
35	Katherin Morales	BB	Difference Between RIP1-Independent and RIP1-Dependent Apoptosis
36	Myles Bartholomew	BB	Characterizing Clinical Strains of <i>Pseudomonas aeruginosa</i> Post Transposon Mutagenesis
37	Jessica Garcia	BB	Characterization of a Novel Gene Required for Peptidergic Inhibition of <i>C. elegans</i> 5-Ht Neurons
38	Kennedy Goldsborough	BB	Exploring Mitochondrial Protein Homeostasis in Peripheral Axons
39	Alexandria Velasquez	BB	Construction of the Choroid Plexus During Brain Development
40	Francis Albert Apolinario	BB	Expression of the Mammalian Transcription Factor (NELF) in <i>Saccharomyces cerevisiae</i>
41	Marlin Figgins	BB	Genius Flies: Individual Differences in Learning within Isogenic <i>Drosophila</i> Populations
42	Danielle Morency	BB	Assessing Peripheral Somatosensory Neurons as a Potential Therapeutic Target for Autism Spectrum Disorders
43	Joselyn Yamamoto	BB	Is <i>dbx1b</i> Essential for Habenular Development?
44	Marilyn Barragan	BB	Characterization of Tetraspanin CD82 Protein Domains Important for Plasma Membrane Sub-Localization
45	Kevin Gonzalez	BB	Characterizing the role of Fat3 Signaling in Retinal Amacrine Cells
46	Terika Williams	BB	The Role Of Epigenetics in the Expression of TP53 and TP73 in Breast Cancer Cell Lines
47	Francis Reilly-Andújar	BB	Surveying Forkhead DNA Binding Domain Specificity to Nucleosomal DNA
48	Gian Molina-Castro	BB	Spatial and Temporal Dynamics of Single Oligodendrocytes During Gray Matter Remyelination
49	Jazmine Baylor	BB	Effects of Metformin Treatment and Running Activity on Brain Beta-Amyloid Plaque Accumulation in the APP+/PS1+ Mouse Model of Alzheimer's Disease
50	Alan Gutierrez	BB	The Contribution of Mitochondrial Architecture to Fatty Acid Oxidation in Diffuse Large B Cell Lymphoma Metabolism
51	JaNiece Walker	BB	Alu Exons: The Hidden Transcripts

52	Carla Quinones	BB	The Importance of a Phenolic Group in the Substrates of Iodotyrosine Deiodinase
53	Aastha Dhakal	BB	Activation by Carbon Dioxide of Neurons in RTN and PreBotzinger Complex in Mice
54	Lauren English	BB	Developmental Expression of Sonic Hedgehog in the Postnatal Mouse Brain
55	Michael Hopkins	BB	The Birds, The Bees, and The Fruit Flies: Using Drosophila Copulation to Understand the Neuronal Circuitry Behind Motivation and Timing
56	Paloma Tuttle	BB	Isolation of Sanglifehrin A as a Chemical Probe to Characterize Induced Protein-protein Interactions
57	Jonathan Hoover	BB	Kinesin KIF5a Transports RNA Granules Containing SFPQ and mRNAs that Promote Axonal Survival
58	Keri Ngo	BB	Investigation into the Structures of Pcdh C3 and C5
59	Josephine Tang	BB	Characterization of the VEGF-Ax mRNA Readthrough Element
60	Maria Varela	BB	Inducible Expression of Lamin B1 in Lamin A/C, Lamin B1, Lamin B2 Triple-Knockout Mouse Embryonic Stem Cells
61	Geoffrey Parriott	BB	Spontaneous Development of Peripheral Node Addressin on Tumor Associated Endothelial Cells
62	Sabrina Bracero	BB	Asymmetries Of DNA Replication Molecules During Germline Stem Cell Division
63	Asha McElroy	BB	Application of Pseudorabies Virus to Map Neuronal Connections in the Brain
64	Elena Bagatelas	BB	The Effects of Age and Use on Late Life Reproduction in <i>C. remanei</i> and <i>C. elegans fog-2</i> Worms
65	Nicholas Ramirez	BB	Using Chemical Genetics and Protein Localization to Understand Signaling Pathways in Eukaryotic Cells
66	Dexter Manglicmot	BB	New Lamin Mutations And Prelamin A Processing
67	Dy'mon Walker	BB	To Reveal the Biological Importance of the PolyA Signals of the M112—113 Gene of Murine Cytomegalovirus
68	Curtis McInnis Jr	BB	Evaluating Baseline Protein and RNA Expression of AnnexinII and SPINK-1 Biomarkers in Different Prostate Cancer Cell Lines
69	Ryan Chipman	BB	The Potential Use of Dasatinib, a SRC Kinase Inhibitor, for the Treatment of Triple Negative Breast Cancer
70	Esmeralda Garcia	BB	The Effects of Fetal Alcohol Exposure on Nestin Positive Neurons in the Dentate Gyrus
71	Amani Rogers	EN	Instrumentation to Study Sea Ice at in situ Temperatures
72	Hope Opia	EN	Wrinkles in Polymer Thin Films
73	Omar Moreno-Flores	EN	Increasing Accessibility to Biomedical Tools using Digital Fabrication
74	Daniel Jacques	EN	Improving Data Center Energy Efficiency through End-to-End Cooling Modeling and Optimization
75	Taylor Patrick	EN	Thread-based Impedance Sensors for Chronic Wound Monitoring
76	Jamila Smith	ES	A Gassy Earth Makes for Carbon Rebirth: Investigating the Effects of Plate Tectonics on the Carbon Cycle by Measuring Seafloor Spreading Rates
77	Alexis Carey	ES	Associations Between Black Carbon Exposure and FeNO Levels in Baltimore City Youth
78	Destiny Durante	ES	Efficacy of a Vegetative Barrier Reducing NOx Compounds Near Roadways

79	Daniel Delgado	ES	Effects of Mn(II) Concentration on CeO ₂ Nanoparticle Surface Reactions in Complex Natural Water Systems
80	Jake Martin	HU	Resistance Through Remembrance
81	Rosalba Ponce	HU	Songs of a Secret Country; History of Displacement
82	Sarai Alvarez	PS	Using Data Analytics to Explore the Role and Classification of Facebook Features and Psychological Data in Social Anxiety
83	Tangi Akauola	PS	Rhodium Catalyzed Alkylation and Alkenylation of Arenes
84	Sanaa Mansoor	PS	AutoShim: 3D Based Machine Learning Approach for Predicting IC ₅₀ s of Kinase Assays
85	Emily Harrison	PS	Design and Synthesis of Nicotinamide N-Methyltransferase (NNMT) Inhibitors for the Treatment of Obesity and Cancer
86	Paula Dorcenat	PS	Development of Highly Selective Sodium Ion Sensors Based on Neutral Carrier Ionophores
87	Stephanie Albarracin	PS	Characterizing Adiabatic Pulses with Liquid State NMR
88	Brandon Berk	PS	The Evolution of Cooperation - C++ Coding of Social Networks using "The Prisoners Dilemma"
89	Shabree Anthony	PS	The Effect of Ion Liquid Gating on Dzyaloshinskii-Moriya Interactions
90	Marcus Jordan	PS	Simulation of Nanoparticle Surface Functionalization via Free Radical Polymerization
91	Jarhonda Roberts	SS	Creating Cognitive Empathy in Engineering Design
92	Dove-Anna Johnson	SS	Cell Types of the Zebra Finch Caudal Mesopallium
93	Chrystal Spencer	SS	Groups in Mind: Mental Representations, Aggression, and Perception of "Us" versus "Them"
94	Gregory Bacon	SS	The Impact of Education Level on Drinking Identity
95	Jason Dunlap	SS	Measuring Dyadic Pupil Dilation Synchrony as a Predictor of Autistic Traits
96	Chayla Vazquez	SS	The Effect of Early Life Enrichment on Cognitive Development
97	Jeremy Delgadillo	SS	Self-Control and Delay of Gratification: Aging and Temptation Effects
98	Ilex Beltran-Najera	SS	How Words Compete During Speech Perception
99	Almas David	SS	Tipping Point: An Analysis of the Cost of a Four Year Degree
100	Amen Onuoha	HU	.!;-? : An Analysis of the Art of Punctuation
101	Zinnia Kong	BB	Innovative Chemical Screening Technologies in Early Drug Discovery

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 427.

Danielle Busby, PhD

BS, 2010, University of Michigan-Ann Arbor
PhD, 2016, George Washington University

Denisse Izquierdo, PhD

BS, 2011, Barnard College
PhD, 2017, Weill Cornell Graduate School

Edmarie Guzman-Velez, PhD

BS, 2010, UPR-Rio Piedras
PhD, 2017, University of Iowa

Katie Litts, PhD

BS, 2010, University of Rochester
PhD, 2016, University of Alabama-Birmingham

Destin Jenkins, PhD

BA, 2010, Columbia University
PhD, 2016, Stanford University

Michael Bustamante, PhD

BA, 2006, Yale University
PhD, 2017, Yale University

Frederick Ketchum, MD/PhD

BS, 2004, Wheaton College
MD/PhD, 2017, University of Chicago

Amber Williams, PhD

BS, 2010, Rice University
PhD, 2016, University of Michigan-Ann Arbor

Nesty Torres Chicon, PhD

BS, 2009, UPR-Rio Piedras
PhD, 2017, UC Berkeley

Natassia Rodriguez Ott, PhD

BS, 2011, University of North Carolina-Chapel Hill
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Lauren Eldridge, PhD

BS, 2010, Spelman College
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Who's Who at the Symposium



Rhiannon Aguilar

Weill Cornell/Rockefeller/Sloan-Kettering Tri-Institutional MD-PhD Program

Rhiannon Aguilar is a 4th year student in the Tri-Institutional MD-PhD Program. She is currently doing her PhD studies in Dr. Jessica Tyler's lab at Weill Cornell Medical College, where she studies chromatin biology and histone chaperone proteins, particularly in the context of DNA double-strand break repair. She is an alumna of the Gateways to the Laboratory program, Tri-I's summer undergraduate research program, and attended LANS as an undergraduate in 2011. Now she is a mentor for current Gateways program students. Before beginning her MD-PhD studies, Rhiannon received a B.S. in Chemistry from

the University of Maryland, College Park. She is a native of the Washington, DC area, but is currently enjoying life as an MD-PhD student in NYC.



Sandra, L. Barnes

Vanderbilt University

Sandra, L. Barnes, Ph.D., joined the Office of Equity, Diversity, and Inclusion as Assistant Vice Chancellor of Equity, Diversity, and Inclusion on July 1, 2016. She is currently a joint appointed Sociology Professor in the Department of Human and Organizational Development in Peabody College and the Divinity School. Prior to joining Vanderbilt in 2008, Dr. Barnes was an Associate Professor in the Dept. of Sociology at Case Western Reserve University (2007-2008) and an Assistant and subsequently an Associate Professor in the Dept. of Sociology & Anthropology and the African American Studies

Research Center at Purdue University (2000-2007). In addition to performing research and teaching, Dr. Barnes recently completed a one-hour documentary, "Gary, Indiana: A Tale of Two Cities," examining what churches are doing to empower citizens in an urban space. She also serves as principal investigator of a \$1.5 million five-year HIV/hepatitis prevention study supported by the Department of Health and Human Services: Substance Abuse and Mental Health Services Administration (SAMSHA) targeting young black sexual minorities. She has written seven books, served as lead author on three edited volumes, and published almost 50 academic articles. She is also editor of *Issues in Race & Society: An Interdisciplinary Global Journal*. Dr. Barnes obtained her B.S. from Fisk University, M.S. degrees from Georgia Institute of Technology and the Interdenominational Theological Center, and Ph.D. from Georgia State University.



Anastacia Berzat Awad

Novartis Institutes for BioMedical Research

Anastacia Awad is Associate Director and Head of Emerging Talent and Leadership. Anastacia drives the development and implementation of scientific training programs for emerging scientists including the NIBR Scientific Summer Scholars and Postbaccalaureate Scholars programs. She also works closely with academic and industry partners to strengthen and shape biomedical education/training of the future talent pipeline. Additionally, Anastacia convenes a global mentoring community group to enhance mentoring education and share its impact on the organization. Prior to joining NIBR, Anastacia earned

a BS in Biology from Florida A&M University. She subsequently received her PhD in Genetics and Molecular Biology from the University of North Carolina at Chapel Hill with a focus in elucidating oncogenic signaling pathways. As a postdoctoral fellow at Memorial Sloan-Kettering, Anastacia was awarded an American Cancer Society fellowship to investigate the molecular mechanisms driving glioma invasion, under the guidance of the late Professor Alan Hall.



Tiffany N. Brannon

University of California, Los Angeles

Tiffany N. Brannon received her Ph.D. and M.A. in Social Psychology from Stanford University and her B.A. in Psychology from Florida International University. Her research examines socio-cultural identities in negatively stereotyped groups such as African-Americans and Latino-Americans; and she investigates the potential for these identities to serve as a psychological resource— one that can facilitate a variety of individual and intergroup benefits. Her research integrates basic psychological theories related to the self, multicultural experiences, and consistency theories to understand the conditions that allow

culturally shaped identities in negatively stereotyped groups to function as powerful agents of social change. This research has demonstrated that culturally shaped identities when affirmed within mainstream educational settings can increase academic motivation and performance in members of negatively stereotyped groups and can improve the intergroup attitudes of majority group members.



La Marr Jurelle Bruce

University of Maryland, College Park

La Marr Jurelle Bruce is assistant professor of American studies at the University of Maryland, College Park, where he teaches courses in black expressive culture, performance studies, critical race theory, gender and sexuality studies, pop culture, and their various convergences. Before arriving at Maryland, he earned his Ph.D. in African American Studies and American Studies at Yale University, where he also served as lecturer in theater studies.

Dr. Bruce's book, *How to Go Mad without Losing Your Mind: Madness and Black Radical Creativity* (forthcoming, Duke University Press), is a study of black artists who mobilize "madness" for radical art-making, self-making, and world-making. His writing is featured in *African American Review*, *American Quarterly*, *TDR*, and *No Tea, No Shade: New Writings in Black Queer Studies*, and forthcoming in *Social Text*. He has received grants and honors from the Beinecke Library at Yale University; the Woodson Institute at the University of Virginia; the Mellon Foundation; the Social Science Research Council; and most recently, the Ford Foundation.



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.



Juan D. Carrillo

University of North Carolina, Chapel Hill

Juan F. Carrillo is an associate professor at the University of North Carolina, Chapel Hill School of Education and he is the founding director of the Latin@ Education Research Hub (LERH). His experiences include being a high school teacher in low SES communities, positions in curriculum development, and various administrative roles in K-12 schools. He earned a PhD in Curriculum and Instruction, with a concentration in Cultural Studies in Education, and a Mexican American Studies Graduate Portfolio from the University of Texas at Austin. His primary research interests are in cultural studies in education, the identities of academically successful Latino male students, and Latin@ education in new gateway regions, with a specific emphasis on North Carolina. In 2014, he was awarded the UNC Chapel Hill Chiron Award for Teaching Excellence and Service and he was selected to be part of the fifth class of the UNC Thorp Faculty Engaged Scholars. In 2015, he was awarded the National Academy of Education/Spencer Postdoctoral Fellowship. His work has been featured in journals such as the Harvard Educational Review and the Journal of Latinos. He is also the author of the book, *Barrio Nerds: Latino Males, Schooling, and the Beautiful Struggle*.



Lauren Celano

Propel Careers

Lauren Celano is the Co-founder and CEO of Propel Careers, a life science search and career development firm focused on connecting talented individuals with entrepreneurial innovative life sciences companies. Lauren is very passionate about working with individuals with strong scientific backgrounds to find exciting growth opportunities in the life sciences and related industries. Lauren co-founded Propel Careers in 2009 and since then, has worked with thousands of students, postdocs, medical residents and professionals to help advance their careers. Before Propel, she spent about 10 years in the life sciences industry working with companies to advance drug molecules through SNBL USA, Aptuit, Quintiles, and Absorption Systems. She has a B.S. in Biochemistry and Molecular Biology from Gettysburg College and an MBA with a focus in the health sector and entrepreneurship from Boston University. Lauren is on the Board of MassBioEd, the Advisory Board of the Boston University School of Public Health Pharmaceuticals Program, and the Advisory board for Endicott College Boston. She also serves on the Gettysburg College Entrepreneurial Fellowship Advisory Council and the programming committee of the Capital Network.



Arnaldo Diaz

University of Pennsylvania

Arnaldo Diaz, PhD, is the Assistant Dean for Research Training Programs, Director of Recruitment and Retention of Diversity Scholars, and Adjunct Assistant Professor of Pharmacology at the Perelman School of Medicine at the University of Pennsylvania.

Dr. Diaz works collaboratively with University leadership to develop and coordinate targeted recruitment strategies and provide academic and professional career development for underrepresented minority (URM) trainees across the full spectrum of undergraduate, graduate and post-graduate programs in the biomedical sciences. He directs the Summer Undergraduate Internship Program (SUIP), the Penn Post-Baccalaureate Research Education Program (PennPREP), and co-directs the Penn-Postdoctoral Opportunities in Research and Teaching (PENN-PORT), an NIH sponsored, Institutional Research and Academic Career Development Award (IRACDA). He works closely with Program members by advising them, monitoring their progress, and assisting them with the graduate school admission process and fellowships. Additionally, Dr. Diaz serves as liaison to The Leadership Alliance, an academic consortium working to develop underrepresented students into leaders.

Dr. Diaz received a Bachelor of Science in Chemistry from the University of Puerto Rico-Rio Piedras, and a Ph.D. in Biochemistry from Texas A&M University.



Isabel Geathers

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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's Summer Research Program and serves the Leadership Alliance as Columbia's Institutional Coordinator. Dr. Geathers received her B.A. 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.



Juan E. Gilbert

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Dr. Juan E. Gilbert is The Banks Preeminence Chair in Human-Centered Computing and Chair of the Computer & Information Science & Engineering Department at the University of Florida where he leads the Human Experience Research Lab. Dr. Gilbert has research projects in spoken language systems, advanced learning technologies, usability and accessibility, Ethnocomputing (Culturally Relevant Computing) and databases/data mining. He has published more than 180 articles, given more than 250 talks and obtained more than \$25 million dollars in research funding. He is a Fellow of the American Association of the Advancement of Science and a member of the National Academy of Inventors. In 2012, Dr. Gilbert received the Presidential Award for Excellence in Science, Mathematics, and Engineering Mentoring from President Barack Obama. He also received the American Association for the Advancement of Science (AAAS) 2014 Mentor Award. He was recently named one of the 50 most important African-Americans in Technology. He was also named a 2015-2106 AAAS-Lemelson Invention Ambassador, Speech Technology Luminary by Speech Technology Magazine and a national role model by Minority Access Inc. Dr. Gilbert is also a National Associate of the National Research Council of the National Academies, an ACM Distinguished Scientist and a Senior Member of the IEEE. Dr. Gilbert was named a Master of Innovation by Black Enterprise Magazine, a Modern-Day Technology Leader by the Black Engineer of the Year Award Conference, the Pioneer of the Year by the National Society of Black Engineers and he received the Black Data Processing Association (BDPA) Epsilon Award for Outstanding Technical Contribution. In 2002, Dr. Gilbert was named one of the nation's top African-American Scholars by *Diverse Issues in Higher Education*. In 2013, the Black Graduate and Professional Student Association at Auburn University named their Distinguished Lecture Series in honor of Dr. Gilbert. Dr. Gilbert testified before the Congress on the Bipartisan Electronic Voting Reform Act of 2008 for his innovative work in electronic voting. In 2006, Dr. Gilbert was honored with a mural painting in New York City by City Year New York, a non-profit organization that unites a diverse group of 17 to 24 year-old young people for a year of full-time, rigorous community service, leadership development, and civic engagement.



Leislle Godo-Solo

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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.



Sara Xayarath Hernández

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Sara Xayarath Hernández is the Graduate School Associate Dean for Inclusion & Student Engagement and a University Diversity Officer at Cornell University. She provides vision, leadership, and overall management for Graduate School initiatives and policies related to diversity and inclusion. Hernández leads the Office of Inclusion & Student Engagement (OISE) and the Graduate School's efforts to recruit, retain, and support a diverse graduate student body. OISE in collaboration with other Graduate School and university 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 following attainment of their graduate degrees. Hernández serves as the Co-Director and Co-PI for the Cornell AGE Program and as Co-PI for Cornell's Alfred P. Sloan Foundation funded UCEM Program. She holds a Bachelor of Arts in Zoology from Ohio Wesleyan University and a Master of Regional Planning from Cornell University.



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Marta Holliday is an Associate Professor of Languages and Literatures at Alabama State University, where she has taught courses in African American Studies, English composition and American literature since the Fall of 2011. Dr. Holliday earned her PhD in English and Literary Studies from the University of Iowa in May 2011. Her dissertation, titled "The Body as Spectacle: Beauty and Biraciality in American Literature and Film, 1852-2002," explored the exploitation of biracial femininity in American and African American novels, memoirs and movies. Her current research interests include exploring intersections of gender and sexuality within African American studies as well as understanding how biracial identity has been constructed and quite often misunderstood in American and African American fiction and non fiction. She lives in Montgomery, Alabama and is the proud mother to a six month old son, Walter.



Irene Hulede

American Society for Microbiology

Irene Hulede is manager of student programs at the American Society for Microbiology (ASM) in the Education Department. In this capacity, she manages the fellowship programs and skills development courses for students, postdoctoral scientists, and future faculty. She has served as the project manager of the Annual Biomedical Research Conference for Minority Students (ABRCMS) since its inception in 2000. Prior to joining ASM, Ms. Hulede worked at Bentley University where she held several positions in the Students Affairs Division. Ms. Hulede has received numerous honors and awards for her exemplary work and service, including the ASM Secretary's Award, Outstanding Community Service Partnership Award (Bentley University), and Excellence in Academic Advising Award (Bentley University). In 1993, Bentley University/MASSPEP established the Irene Ofori-Hulede Scholarship in her honor. She serves on various boards including the Leadership Alliance's IPERT advisory board. Ms. Hulede is an advocate for promoting diversity in higher education and passionate about strengthening collaborative partnerships that provide resources and programming for trainees.



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
Regeneron Pharmaceuticals, 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 *X. 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.



Christina Medina-Ramirez
Hunter College of CUNY

Christina Medina-Ramirez is the Director of the new Skirball Science Learning Center at Hunter College of CUNY. In this role, she will implement programming aimed to improve science course performance and retain STEM majors. In her prior position as Professional Development Coordinator of the RISE Program at Hunter College, she assisted research trainees with career development strategies and applications for Ph.D., summer programs, fellowships and postdoctoral positions. Dr. Medina-Ramirez is a Leadership Alliance SR-ELP alumnus who received a B.S. in Biology from St. Francis College and Ph.D. in Biomedical Sciences from Albert Einstein College of Medicine. Her thesis work and postdoctoral research at NYU Langone Medical Center focused on cell death regulation and therapies related cancer. Honors received for her scholarly efforts and commitment to diversity include the Ford Foundation Pre-doctoral Diversity Fellowship, the AACR Minority Scholar in Cancer Research Award and selection to the 2017 Linton-Poodry SACNAS Leadership Institute.



Michelle D. Nearon

Yale University

Michelle Nearon is Associate Dean for Graduate Student Development and Diversity. Reporting to the Dean of the Graduate School and the Deputy Provost for Faculty Development and Diversity, 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. She coordinates campus-wide admissions initiatives, directs a summer undergraduate research program, co-directs a National Institutes of Health Postbaccalaureate Research Education Program (NIH PREP), and directs the Yale-funded Emerging Scholars Initiative Postbaccalaureate Research Education Program (ESI PREP). Additionally, in her capacity as the Yale institutional representative for various national consortia, she works to identify aspiring scholars who may contribute to the development of a more diverse faculty.

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, beginning as a research engineer and ultimately becoming a general manager. 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 also simultaneously served as the Director of Recruitment and Diversification for the College of Engineering and Applied Sciences. She joined the Yale community in 2008.

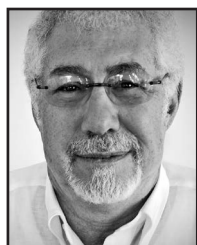


Chris O'Brien

Ford Foundation

Chris O'Brien is Program Officer for the Fellowships Office of the Policy and Global Affairs Division of the National Academies of Sciences, Engineering and Medicine. Chris currently provides administrative leadership for the Ford Foundation Fellowship Programs. She has been involved in the administration of numerous fellowship programs, varying in level from predoctoral through postdoctoral and varying by funding source (public and private). Chris works on the Ford Foundation Predoctoral, Dissertation, and Postdoctoral Fellowship Programs. In 2004 and 2008, the Ford Fellowship administrative team was awarded National Academies' recognition for outstanding performance.

Chris provides leadership for the Fellowship Roundtable, a Fellowships Office activity that convenes fellowship administrators in the DC region and beyond. The Fellowship Roundtable addresses issues of importance to fellowship administrators and those who advise graduate students and fellowship applicants. The Roundtable is approaching its 24th anniversary in 2018 under Chris' direction.



Joel D. Oppenheim

NYU School of Medicine

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.



Teresa Ramírez

National Human Genome Research Institute/American Society of Human Genetics

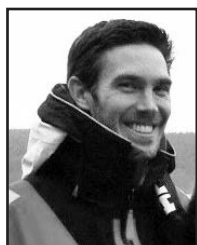
Teresa Ramírez, Ph.D., is currently the National Human Genome Research Institute/American Society of Human Genetics (NHGRI/ASHG) Genetics and Education fellow. Dr. Ramírez was a post-doctoral research fellow at the National Institutes of Alcohol Abuse and Alcoholism. She is a first-generation Mexican-American and the first from her family to have graduated from college and to have obtained a doctoral degree. In 2002, she participated in the Leadership Alliance Summer program at Brown University. She received her B.S. degree in General Biology from California State University, Dominguez Hills in 2004. Then, she participated in a post-baccalaureate program at the National Cancer Institute in Frederick, MD. Dr. Ramírez has been a member of the Society for the Advancement of Chicanos/as and Native Americans in Science (SACNAS) for seventeen years. Her doctorate degree is in Molecular Pharmacology and Physiology from Brown University and was the founder/first president of the Brown University SACNAS Chapter (established in 2012). Her post-doctoral research focused on how aging and chronic alcohol exposure played a role in causing liver injury. Currently, she is the president of the National Institutes of Health SACNAS Chapter. She is passionate about sharing her love for science and firmly believes in the importance of mentorship.



Rochelle Smith

Washington University in St. Louis

As Assistant Provost Rochelle 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, a consortium of higher education institutions that encourage and mentor underrepresented students to pursue graduate school and research careers. 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. She also most recently served as the Director of Diversity, Summer Programs and Community Outreach for Washington University's largest graduate program, the Division of Biology and Biomedical Sciences, for the past 10 years.



David A Stout

California State University, Long Beach

Dr. David A Stout is an assistant professor in the Department of Mechanical and Aerospace Engineering at California State University, Long Beach. He received his B.S. degree in Aerospace Engineering with a minor in Chemistry from California State University, Long Beach in 2010, and a Ph.D. in Biomedical Engineering in 2014. While at Brown, Dr. Stout was a member of the Nanomedicine Laboratories focusing on the development of cardiovascular nano-biomaterials under the direction of Dr. Thomas J. Webster. Under the direction of Dr. Christian Franck, Dr. Stout then developed a system to investigate the migration forces of human neutrophils in a 3D environment in the Cell- Mechanics Laboratory. Dr. Stout's main research focus is applying engineering techniques to the biomedical world to combat some of the most deadly diseases and infections. His research expertise is in cardiovascular biomaterials, orthopedic biomaterials, nano-medicine, solid mechanics, cell mechanics and migration. Dr. Stout is a recipient of The National Science Foundation (NSF) Graduate Student Fellowship and (twice) Indo-US Science and Technology Forum (IUSSTF) Research Fellowship. He is a member of BMES, Tau Beta Pi, Sigma Xi and SFB.



Tammi Taylor

Jackson State University

Dr. Taylor joined the faculty as an Assistant Professor of Genetics in the Department of Biology in the College of Science, Engineering, and Technology at Jackson State University. While at JSU, Dr. Taylor is a Research Center for Minority Investigators (RCMI) faculty member, a graduate and undergraduate student advisor, mentor, and professor. She obtained her PhD in Microbiology from Indiana University, a Masters of Science degree in Biology, from Jackson State University, and her Bachelors of Science degree in Biology from Tougaloo College. She was a Fellowship in Research and Science Teaching (FIRST)

postdoctoral fellowship at Emory University in the Departments of Anesthesiology and Neurology. Her current research focus is determining the role of signal transducer activator of transcription 3 (STAT-3) on the regeneration of nerve tissue and functional recovery after focal ischemic stroke.



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 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.



Armando Tolliver

School District of Philadelphia

Armando Tolliver is a multi-time, award-winning education practitioner in The School District of Philadelphia, eighth largest district in the nation by enrollment, serving a diverse population. He also serves as an educational consultant with clients in the public, private, and nonprofit sectors, providing expertise in curriculum design and development, research, evaluation, and training. A National Network of State Teachers of the Year Outstanding Black Males Teacher Fellow done in conjunction with the National Education Association, plus is a member and affiliated with organizations including Network of

Extraordinary Talent Philadelphia, affinity group of the Urban League of Philadelphia, National Science Teacher's Association, National Association of Biology Teachers, National Alliance of Black School Educators, National Society of Black Engineers, and Black Doctoral Network Inc. He is founder of Education Project that provides an education voice on contemporary educational issues. Dr. Tolliver has earned a Bachelor of Science degree in Biology from Dillard University located in New Orleans, Louisiana (2008), a Masters degree in Education Leadership from Strayer University in Washington, DC (2010), and a Doctorate degree in K-12 Education Leadership from Jones International University located in Centennial, Colorado (2013). His academic research has focused on exploring salient nonacademic factors related to social, economic and cultural aspects together with traditional academic factors that influence persistence and retention in higher education so that remediation of the impact of these factors can commence at the primary and secondary levels.

**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”.

The Leadership Alliance Executive Office Staff



Medeva Ghee

Executive Director, The Leadership Alliance

Assistant Professor of the Practice of Behavioral and Social Sciences, Brown University

Dr. Medeva Ghee is the Executive Director of the Leadership Alliance and a faculty member in the Department of Behavioral and Social Sciences at Brown University. As Director of the Leadership Alliance, she is responsible for leading the 36-member consortium 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. She is the

Director and Principal Investigator on a number of programs to prepare students for Ph.D. training and to consider careers in the professoriate and broader research workforce. Dr. Ghee previously worked with the Clinton HIV/AIDS Initiative as a Laboratory Systems Specialist. 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. Informed by these experiences, she developed a course on multidisciplinary approaches to support HIV/AIDS care and treatment programs in Sub-Saharan Africa that is offered to Brown undergraduates and Master's degree students. A graduate of North Carolina State University with a bachelor's degree in zoology, she earned her M.S. and Ph.D. in microbiology from New York University School of Medicine. Her postdoctoral research was conducted with a team of CNRS researchers in Paris, France, where she employed biochemical and gene therapy technologies to investigate the impact of protein aggregation in Parkinson's disease. At Brown, Dr. Ghee is actively engaged in mentoring and has served as a faculty advisor for Brown undergraduate independent thesis projects and mentor for graduate students. She was honored by the Samuel M. Nabrit Black Graduate Student Association with the Ruth J. Simmons Award for Leadership.



Chloe Poston

Associate Director

Dr. Chloe N. Poston is a proud graduate of Clark Atlanta University, where she earned a B.S. in Chemistry. Dr. Poston earned both her Masters and Doctoral degrees in Chemistry from Brown University. Her thesis research was focused on mass spectrometry-based proteomic analysis of the mitochondrial-associated endoplasmic reticulum (MAM). Her work highlighted the connections between the role of calcium trafficking from the ER to the mitochondria and neurodegenerative disease.

During her studies at Brown, Chloe served as the President of the Nabrit Black Graduate Student Association, the Chair of the Graduate Students of Color Conference, and a member of the university Diversity Advisory Board.

During her Post-Doc at Eli Lilly and Company in the biological mass spectrometry group, Dr. Poston explored her interests in science policy, diversity, and education through her blog, The Poston Collective. Dr. Poston continued to pursue this interest as an AAAS Science and Technology Policy Fellow at the National Science Foundation where she focused on projects related to scientific communication and broadening participation in science, serving as the executive secretary for the Federal Coordination in STEM Education Broadening Participation Subcommittee. In this role, Dr. Poston worked with 13 government agencies to identify opportunities to encourage individuals from underrepresented groups to pursue and remain in STEM careers. Dr. Poston leveraged the government knowledge she gained in her fellowship as a science policy consultant where she focused on issues related to diversity in the biomedical research workforce.



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

Conference & Events Specialist

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.



Majida Kargbo

Project Assistant

Majida Kargbo is a doctoral candidate in American Studies at Brown University. Her research interests include new media, queer embodiment, performance studies, and cyberfeminism. Her current project, "Excessive Vision(s): Multi-mediated Intimacy, Visuality, and the Body," focuses on the aesthetic strategies of performances and representations of the abject body. She will be teaching courses in Ethnic Studies next year and is also working on a digital humanities project that explores queer female Afrofuturist cultural production.



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