

Inspiring the Next Generation for Success



LEADERSHIP ALLIANCE NATIONAL SYMPOSIUM 2014

July 25 – 27 • Hilton Stamford Hotel & Executive Meeting Center

Welcome to the 2014 LEADERSHIP ALLIANCE NATIONAL SYMPOSIUM



Medeva Ghee
Executive Director

On behalf of the Leadership Alliance, it gives me great pleasure to welcome you to the 2014 Leadership Alliance National Symposium (LANS)! For more than two decades, the Leadership Alliance has been and continues to be committed to *Inspiring the Next Generation for Success*.

The great, late poet and American author Maya Angelou once said, *Success is liking yourself, liking what you do, and liking how you do it*. Discovering your passions through research and scholarship is key to unlocking your potential for success. At LANS, we have cultivated and nurtured a diverse community of scholars, mentors and role models from varied academic, professional and cultural backgrounds who are poised to help clarify your career aspirations and the pathway to attain them. Our more than 300 Doctoral Scholars, Leadership Alliance Alumni who have completed a PhD or MD-PhD degree, continue to be our inspiration and evidence that with an advanced degree you can be whatever you aspire to be.

While you are at LANS, we encourage you to take advantage of the Alliance's supportive community to build a network of successful peers, scholars and mentors. As you hone your communication skills through oral or poster presentations, we invite you to believe in yourself. As you learn about the various steps and components of pursuing an advanced degree, we challenge you to set high expectations for yourself. With all of the information you will have acquired and the supportive network you will have developed, we expect you to dream big so that you can be the inspiration for the next generation!

Have a great symposium!



Jabbar R. Bennett
Chair, Symposium
Planning Committee

Greetings and welcome to the 2014 Leadership Alliance National Symposium (LANS)! I hope that you will fully embrace this experience as each session has been designed with you in mind.

Two years ago The Leadership Alliance celebrated 20 years of developing underrepresented students into outstanding leaders and role models in academia, business and the public sector. As we approach a quarter century of profoundly and consistently impacting the lives and encouraging the success of America's best, brightest and boldest talent we must reflect on the rich history and legacy that this work is rooted in.

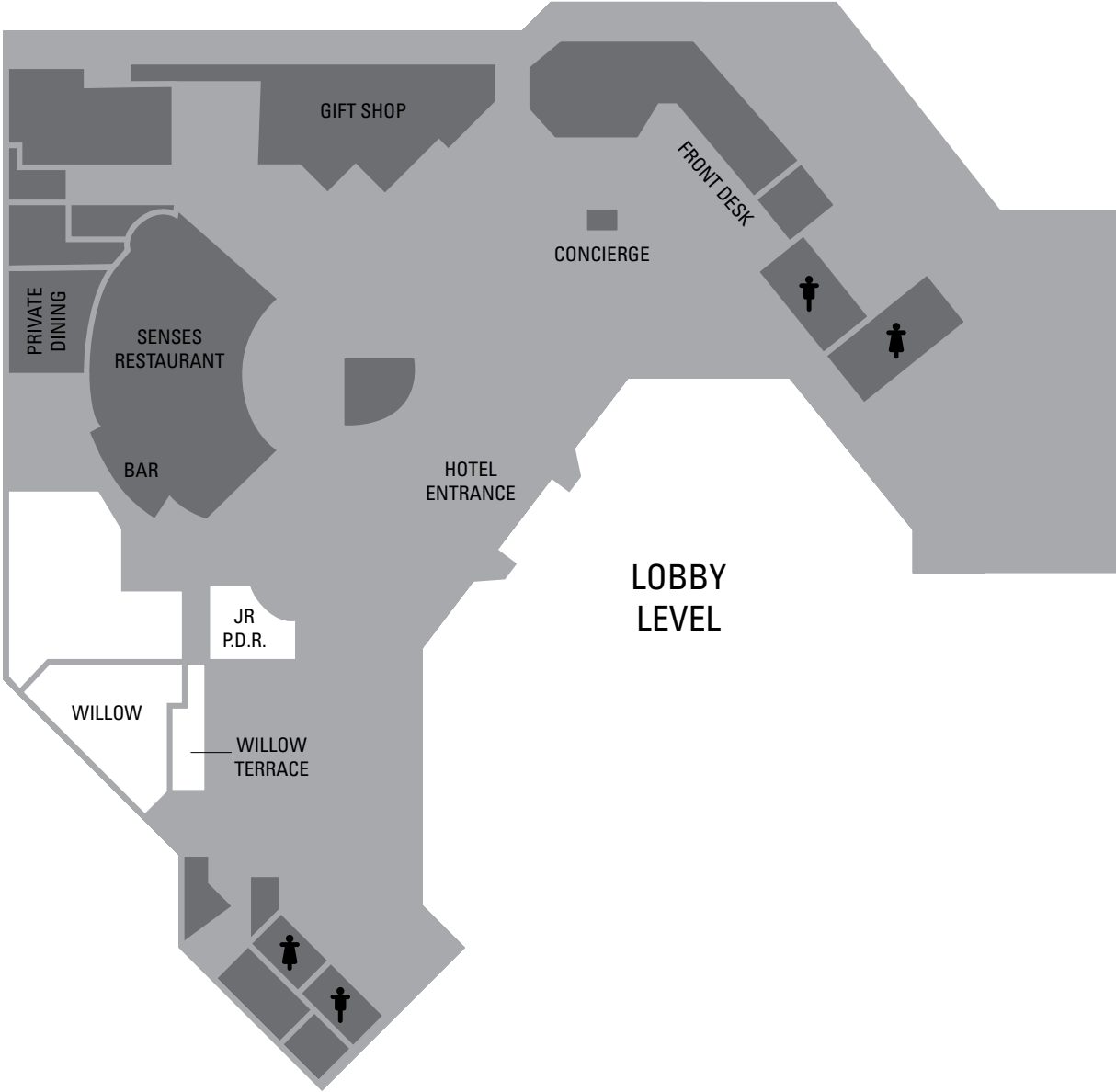
Today, as the nation celebrates the 50th anniversary of Mississippi Freedom Summer, we honor the historic culmination of events which helped to end a system of rigid racial segregation and ensure quality education, equal voting rights and fair representation of elected officials for all people. I charge you to reflect upon this rich history and consider the advances that have been made, which are in large part due to the vigilance and activism of college students just like you.

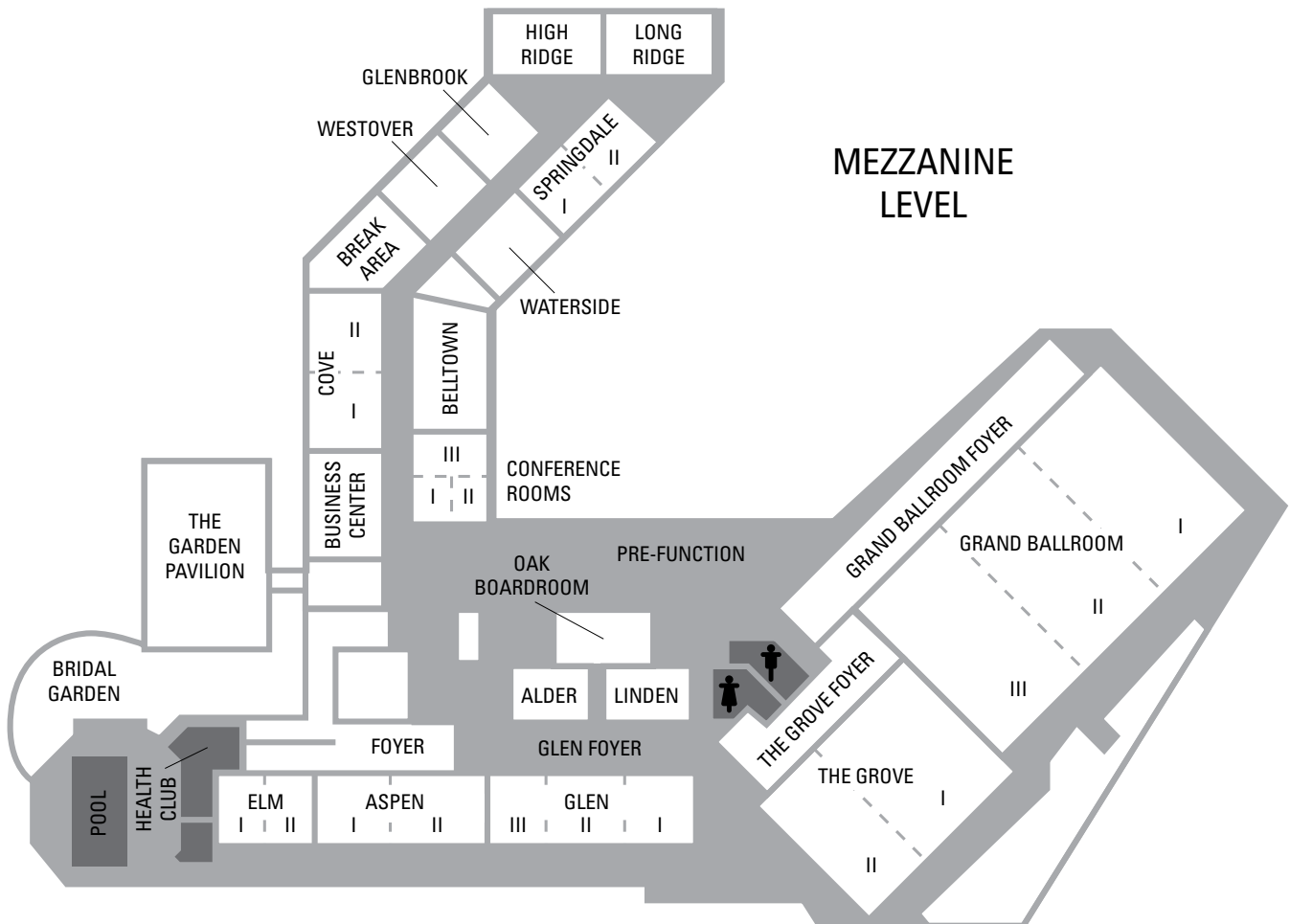
Cherish the LANS experience and indulge in informal opportunities to interact with panelists, faculty, administrators and other guests. It is also very important that you network with each other and take time to share your personal stories and professional aspirations as you truly are the future of our nation and proponents of this work. We hope that this experience will serve as a wonderful capstone to your summer research immersion as we all are deeply invested in *Inspiring the Next Generation for Success*.

Best wishes and make it memorable!

Inspiring the Next Generation for Success

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Symposium At-A-Glance

Time	Undergraduate Sessions (UG)	Graduate Sessions (GS)	Doctoral Scholars (DS)	Administrators, Coordinators, Faculty, Guests
Day 1 - Orientation, Networking & Alumni Career Panel				
11:00am - 3:00pm	Registration			
11:00am - 3:00pm	PowerPoint Presentation Upload I			
12:00pm - 2:30pm	Lunch			
2:00pm-3:00pm		Moderators Training		
3:00pm -5:15pm	Funding/Orientation/Networking Sessions by Discipline	Grantsmanship 101		(NEW) Building a Network for Faculty Collaboration Part I
5:30pm - 6:30pm	Undergraduate Seniors, First and Second Year Graduate Students in <i>STEM</i> Graduate Research Fellowship Programs			
5:30pm - 6:30pm	PowerPoint Presentation Upload II	Meet & Greet Fair for Graduate Students and Doctoral Scholars		
7:00pm - 9:15pm	Dinner/Welcome/Alumni Career Panel			
9:30pm - 10:30pm	PowerPoint Presentation Upload III	Reception for Administrators, Coordinators, Doctoral Scholars, Faculty, Graduate Students, Guests		
Day 2 - Student Presentations & Panel Discussions				
9:00am - 3:00pm	Registration			
7:00am -7:25am	Poster Setup			
7:30am - 8:30am	(NEW) Breakfast Panels: Graduate School Mock Interview Process	Applied & Basic Bioscience, Engineering & Physical Sciences, Earth Science	Breakfast Panel: Professional Societies: Making the Best of Professional Connections	Leadership Alliance Coordinator & Faculty Networking Breakfast
		MD-PhD		
		Social Sciences & Humanities		
8:45am - 9:45am	Student Poster Presentations Session I (Odd Poster Numbers)			External Advisory Board Meeting
9:45am - 10:45am	Student Poster Presentations Session II (Even Poster Numbers)			
11:15am - 12:45pm	Student Oral Presentations Session I - BioSciences & Applied BioSciences			
1:00pm - 2:30pm	Lunch Panels	The Graduate School Experience (PhD Program) The Graduate School Experience (MD-PhD Program)	(NEW) What Can I Do with My PhD Outside Academia	Lunch Panel: (NEW) Building a Network for Faculty Collaboration Part II
2:45pm - 4:15pm	Student Oral Presentations Session II - All Disciplines			
4:20pm - 4:40pm	Break/Snack/Professional Headshots*			
4:45pm - 6:00pm	Student Oral Presentations Session III - All Disciplines			
6:00pm - 6:45pm	Group Photos: Mellon Initiative Cohort/IOS Scholars/Individual Professional Headshots/Free Time			
7:00pm - 9:00pm	Dinner & Keynote Speaker			
9:30pm - 12:00am	Dance Party			
Day 3 - Recruiting Fair & Next Steps				
8:00am - 9:45am	Breakfast Panels: Graduate School Application & Interview Process	BioSciences	Breakfast Panel: (NEW) Individual Development Plan	
		MD-PhD		
		Social Sciences & Humanities		
		Engineering & Physical Sciences		
10:00am - 11:00am			Doctoral Scholar Network Meeting	
10:00am - 12:00pm	Recruiting Fair			
12:00pm - 1:00pm	Complete Surveys/Closing Remarks/Adjournment			

*Headshots can be taken all day Saturday in Willow, located on the Lobby Level.

Agenda 2014

■ FRIDAY, JULY 25

11:00AM – 3:00PM

Leadership Alliance Conference Registration Mezzanine

11:00AM – 3:00PM

PowerPoint Upload Session I Alder

12:00PM – 2:30PM

Lunch Garden Pavilion

2:00PM – 3:00PM

Moderators' Training The Glen

Moderator: Jabbar Bennett, Associate Dean, Graduate School, Division of Biology and Medicine, Brown University

Undergraduates:

3:00PM – 5:15PM

Session I: Funding Your Education by Discipline

Session II: Orientation/Networking Session by Discipline

Biosciences Grand Ballroom I

Moderators: Sheila Thomas, Assistant Professor of Medicine, Assistant Dean of Diversity and Minority Affairs for GSAS and DMS, Harvard University; Marcus Jones, Assistance Professor, J. Craig Venter Institute

Panelists:

Joel Oppenheim, Professor Emeritus, New York University Langone Medical Center

Tiffani Fonseca, Fellowships Programs Coordinator, ASM

Christine O'Brien, Ford Fellowship, National Academy of Sciences

Social Sciences and Humanities Grand Ballroom II

Moderators: Karen Jackson-Weaver, Associate Dean of Academic Affairs and Diversity, Princeton University; Travis Boyce, Associate Professor of Africana Studies and Social Science, University of Northern Colorado

Panelists:

Saul Fisher, Executive Director for Grants and Academic Initiatives and Visiting Associate Professor, Mercy College

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

Caryl McFarlane, Senior Program Officer/Director, Pickering and Mellon Programs, Woodrow Wilson National Fellowship Foundation

Engineering and Physical Sciences Grand Ballroom III

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

Panelists:

Aileen Walter, Vice President, Scholarships and University Relations, National Action Council for Minorities in Engineering

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

Mark Hernandez, Professor in the Department of Civil, Environmental, and Architectural Engineering, University of Colorado Boulder

3:00PM – 5:15PM

Developing Grantsmanship Skills Glen
 Graduate Students and Doctoral Scholars

Moderators: Mary Farwell, Professor of Biology, East Carolina University/Council on Undergraduate Research and
 William Campbell, (retired) Director, Office of Sponsored Projects, University of Wisconsin River Falls/Council on
 Undergraduate Research

3:00PM – 5:15PM

(New) Building a Network for Faculty Collaboration Part I Grove

5:30PM – 6:30PM

Graduate Research Fellowship Programs (GRFP) Ballroom III
 (This session is for seniors, first and second year graduate students - STEM)

Moderator: David Stout, Visiting Researcher, Brown University and Assistant Professor, Department of Mechanical
 & Aerospace Engineering, California State University, Long Beach

5:30PM – 6:30PM

Power Point Upload Session II Alder

5:30PM – 6:30PM

Meet & Greet Fair for Doctoral Scholars & Graduate Students Aspen

Jodi Wesemann, Assistant Director for Education Research, American Chemical Society

Jean Shin, Director Minority Affairs Program, American Sociological Association

George Wimberly, Director of Social Justice & Professional Development, American Educational Research Association

Ruth Molina, Director, New England HERC, Higher Education Recruitment Consortium

Anastacia Berzat, Scientific Program Manager, Novartis Institutes for BioMedical Research

Brooke Bruthers, Senior Program Manager, Diversity Programs at American Physiological Society

Christine O'Brien, Ford Fellowship, National Academy of Sciences

7:00PM – 9:15PM

Welcome, Dinner, Alumni Career Panel (Doors open at 6:30pm) Grand Ballroom

Host: Medeva Ghee, Executive Director, The Leadership Alliance

Moderator: Chinonye Nnakwe, Director of Graduate Diversity Recruitment, University of Chicago

Panelists:

Melixa Abad Izquierdo, Assistant Professor, History and Political Science Department, Farmingdale State College,
 State University of New York

Brian Landry, Digital Experiences Manager, Senior Researcher, Accenture Technology Labs

Chenere P. Ramsey, Assistant Professor of Biological Sciences, Hampton University

9:30PM – 10:30PM

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

9:30PM – 10:30PM

Power Point Upload Session III Alder

■ SATURDAY, JULY 26

7:00AM – 7:25AM

Poster Setup..... Garden Pavilion

7:30AM – 8:30AM

Leadership Alliance Coordinator & Faculty Networking Breakfast..... Grove

7:30AM – 8:30AM

Undergraduate Breakfasts:

(New) Graduate School Mock Interviews & Tips

Applied & Bioscience, Engineering, Physical Science, & Earth Science.....Grand Ballroom I

Sheila Thomas, Assistant Professor of Medicine, Assistant Dean of Diversity and Minority Affairs for GSAS and DMS, Harvard University

Andrea Morris, Assistant Dean for Academic Diversity, Columbia University

Mark Hernandez, Professor in the Department of Civil, Environmental, and Architectural Engineering

Social Sciences and Humanities Grand Ballroom II

Joseph Brown, Graduate Diversity Recruitment Officer, Stanford University

MD-PhDGrand Ballroom III

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

7:30AM – 8:30AM

Graduate Students & Doctoral Scholars Breakfast Panel:..... Glen

Moderator: Arnaldo Diaz, Assistant Dean for Research Training Programs and Adjunct Assistant Professor of Pharmacology, University of Pennsylvania

Panelists:

Jodi Wesemann, Assistant Director for Educational Research, American Chemical Society

Jean Shin, Director, Minority Affairs Program, American Sociological Association

George Wimberly, Director of Social Justice & Professional Development, American Educational Research Association

Brooke Bruthers, Senior Program Manager, Diversity Programs at American Physiological Society

8:30AM – 6:00PM

Professional Headshots..... TBA by Photographer

8:45AM – 9:45AM

External Advisory Board Meeting..... Oak Boardroom

8:45AM – 10:45AM

Student Poster Presentations..... Garden Pavilion

8:45AM – 9:45AM – Student Poster Presentations Session I (Odd poster numbers)

9:45AM – 10:45AM – Student Poster Presentations Session II (Even poster numbers)

11:15AM – 12:45PM

Student Oral Presentations Session I

Biosciences: Elm I, Elm II, Aspen I, Aspen II, Glen I, Glen II, Glen III, Alder

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

Panel Discussion for Undergraduates Interested in the PhD: .....Grand Ballroom I  
The Graduate School Experience

**Moderator:** Pamela Scott-Johnson, Interim Dean of the College of Liberal Arts, Chair and Associate Professor of Psychology, Morgan State University

**Panelists:**

**Alejandro Arroyo**, Pharmacology, University of Pennsylvania

**Ashon Bradford**, Development Sociology, Cornell University

**Daisy Camacho**, Psychology, University of California Los Angeles

**Ashley Conoway**, Pathobiology and Molecular Medicine, University of Alabama-Birmingham

Panel Discussion for Undergraduates Interested in the MD-PhD: ..... Grand Ballroom II  
The Graduate School Experience

**Moderator:** Michelle Grundy, Assistant Director of the Vanderbilt MD-PhD Program

**Panelists:**

**Elliot Brea**, Tri-Institutional MD-PhD Program

**Blair Jenkins**, Columbia MD-PhD Program

**Luis Martinez**, NYU MD-PhD Program

(New) Panel Discussion for Graduate Students and Doctoral Scholars: .....Grand Ballroom III  
What Can I Do with My PhD Outside Academia

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

**Panelists:**

**Adriana Alejandro Osorio**, Director of Partnerships and Strategic Alliances, Global Impact

**Marcus Jones**, Assistant Professor, J. Craig Venter Institute

**Brian Landry**, Digital Experiences Manager, Senior Researcher, Accenture Technology Labs

**Kristen Hurov**, Investigator II, Novartis Institutes for BioMedical Research

(New) Building a Network for Faculty Collaboration Part II ..... Grove

**2:45PM – 4:15PM**

Student Oral Presentations Session II

Biosciences: Elm I, Elm II, Aspen I, Aspen II, Glen I, Glen II, Glen III, Alder

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

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

~~~~~ Break, 4:20 pm – 4:40 pm ~~~~~

4:45PM – 6:00PM

Student Oral Presentations Session III

Bioscience: Elm I, Elm II, Aspen I, Aspen II, Glen I, Glen II, Glen III, Alder

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

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

6:00PM – 6:30PM

Leadership Alliance Mellon Initiative and IOS Scholar Group Photos..... Lobby

7:00PM

Dinner, Keynote Speaker Grand Ballroom

Angela Byars-Winston, Associate Professor, School of Medicine & Public Health, University of Wisconsin

9:30PM – 12:00AM

Dance Grove

■ SUNDAY, JULY 27

7:30AM – 10:00AM

Exhibitors Set-up for Recruiting Fair Garden Pavilion

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

Undergraduate Breakfast and Panels: The Graduate School Application

Biosciences Grand Ballroom I

Moderator: Joel Oppenheim, Professor Emeritus, New York University Langone Medical Center

Panelists:

Sheila Thomas, Assistant Professor of Medicine, Assistant Dean of Diversity and Minority Affairs for GSAS and DMS, Harvard University

Jabbar Bennett, Associate Dean, Graduate School, Division of Biology and Medicine, Brown University

MD-PhD Grand Ballroom II

Moderator: Ruth Gotian, Administrative Director, Tri-Institutional MD-PhD Program, Weill Cornell Medical College

Panelists:

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

Michelle Grundy, Assistant Director, MSTP Program, Vanderbilt University

Arlene Kohler, Administrative Director MD-PhD Program, New York University

Social Sciences and Humanities Grand Ballroom III

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

Panelists:

Joseph Brown, Graduate Diversity Recruitment Officer, Stanford University

Karen Jackson-Weaver, Associate Dean of Academic Affairs and Diversity, Princeton University

Engineering and Physical Sciences Aspen

Moderator: Mark Hernandez, Professor in the Department of Civil, Environmental, and Architectural Engineering, University of Colorado Boulder

Panelists:

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

Sonya Gwak, Associate Director for Student Affairs and Graduate Admissions, University of Pennsylvania

8:00AM – 9:45AM

Graduate Student & Doctoral Scholar Breakfast Panel Glen
(New) Individual Development Plan

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

10:00AM – 11:00AM

Doctoral Scholar Network Meeting Glen

10:00AM – 12:00PM

Recruiting Fair Garden Pavilion

12:00PM – 1:00PM

Complete & Return Surveys, Closing Remarks, Adjournment Grand Ballroom I & II

Angela Byars-Winston

Keynote Speaker



Angela Byars-Winston, Ph.D., is a counseling psychologist and Associate Professor (tenure track) in the University of Wisconsin Department of Medicine, section of General Internal Medicine and the UW Center for Women's Health Research. Her research examines cultural influences on academic and career development, especially for racial and ethnic minorities and women in the sciences, engineering, and medicine with the aim of broadening their participation in STEM. Dr. Byars-Winston has translated her research into evidence-based, culturally-relevant interventions to increase the persistence of underrepresented groups in STEM, working with middle school students to early career professionals. She is currently Principal Investigator for an RO1 grant from the National Institutes of Health (NIH) to measure the impact of mentored research experiences on career outcomes for diverse undergraduates in biology and biomedical science and co-Investigator of another NIH grant to promote retention of racial and ethnic minority doctoral students in the biological and behavioral sciences. In addition, Dr. Byars-Winston is a member of the STEM Equity Pipeline National Advisory Board, the Wisconsin Career Development Association Executive Committee, and the National Career Development Association Diversity Committee. She is a graduate of San Diego State University (bachelor's and master's degrees) and Arizona State University (doctoral degree).

Oral Presentations by Name

Yasmine Abbey.....11:45 AM, Glen III

Presentation Title: The Effects of Cigarette Smoke Chemicals on the Development and Function of Macrophages
Research Mentor: Amanda Jamieson
Research Institution: Brown University
Home Institution: Vassar College
Co-Authors: Amanda Jamieson, Brown University
BB

Jonuelle Acosta.....4:00 PM, Alder

Presentation Title: cDNA Cloning and Expression of Murine Proteinase 3, an Autoantigen for ANCA-associated Vasculitis
Research Mentor: Wenchao Song
Research Institution: University of Pennsylvania
Home Institution: Purdue University
Co-Authors: Wenchao Song and Takashi Miwa, University of Pennsylvania
BB

Laura Agosto-Rosa4:45 PM, Aspen I

Presentation Title: Mechanisms Regulating JNK-Dependent Alternative Splicing in T-Cell Activation
Research Mentor: Kristen Lynch
Research Institution: University of Pennsylvania
Home Institution: UPR-Rio Piedras
Co-Authors: Kristen Lynch and Nicole Martínez, University of Pennsylvania
BB

Vania Alfaro2:45 PM, Cove I

Presentation Title: How Does Support From a Romantic Partner Relate to Academic Success Among Low-income College Students?
Research Mentor: Micere Keels
Research Institution: University of Chicago
Home Institution: San Jose State University
Co-Authors: Micere Keels and Elan Hope, University of Chicago
SS

Mike Allevato 12:00 PM, Glen III

Presentation Title: Association Between Impaired Sphingolipid Synthesis and Magnesium Homeostasis in Nonallergic Childhood-onset Asthma
Research Mentor: Stefan Worgall
Research Institution: Weill Cornell Graduate School
Home Institution: UC Riverside
Co-Authors: Stefan Worgall, Weill Cornell Graduate School of Medical Sciences
AB

Brent Allman..... 2:45 PM, Glenbrook

Presentation Title: Nudge: Software Development for Training Scientists in Ethical Decision-Making
Research Mentor: Robin Dowell
Research Institution: University of Colorado Boulder
Home Institution: University of San Diego
Co-Authors: Robin Dowell, Mary Allen and Justin Freeman, University of Colorado at Boulder
PS

Eduardo Alsina 5:00 PM, Glen III

Presentation Title: Characterizing the Motor Domain of Myosin Heavy Chain 15, the Major Cardiac Myosin Isoform in Burmese Pythons
Research Mentor: Stephen Langer
Research Institution: University of Colorado Boulder
Home Institution: Franklin and Marshall College
Co-Authors: Stephen Langer and Leslie Leinwand, University of Colorado at Boulder
BB

Brandon Anhalt 3:30 PM, Glen I

Presentation Title: Crystal Clear: How Sex Differences Influence the Effect of Methamphetamine on Novel Object Recognition Memory
Research Mentor: Vanya Quinones-Jenab
Research Institution: Hunter College
Home Institution: University of Arizona
Co-Authors: Shirzad Jenab, Vanya Quinones-Jenab and Anthony Klambatsen, Hunter College
AB

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> |

Oluwatomiwa Awobayiku 12:30 PM, Alder

Presentation Title: Novel Therapeutics in
Mesothelioma-MET|PI3K|mTOR Inhibition
Research Mentor: Ravi Salgia
Research Institution: University of Chicago
Home Institution: Indiana University-Bloomington
Co-Authors: Ravi Salgia and Rajani Kantei,
University of Chicago
AB

Alexandria Barajas..... 2:45 PM, Belltown

Presentation Title: Americana: Oral Histories of Latina
Migrants in Southern California, 1964-1986
Research Mentor: Joshua Guild
Research Institution: Princeton University
Home Institution: Stanford University
Co-Authors: Joshua Guild, Princeton University
HU

Antonia Bass 12:15 PM, Glen I

Presentation Title: Mutations in DNA Cytosolic Sensors
and Their Effect on Retrovirus Sensing
Research Mentor: Susan R. Ross
Research Institution: University of Pennsylvania
Home Institution: University of Central Florida
Co-Authors: Spyridon Stavrou and Susan R. Ross,
University of Pennsylvania
BB

John Beckford12:15 PM, Aspen I

Presentation Title: Transcriptional Changes in Mouse
Embryonic Stem Cells Lacking Huntingtin
Research Mentor: Man Shan Yu
Research Institution: New York University
Sackler Institute
Home Institution: UMass Amherst
Co-Authors: Man Shan Yu and Naoko Tanese,
New York University Medical Center
BB

Hannah Behrens 12:30 PM, Elm I

Presentation Title: Characterizing Allelic Variants of
Staphylococcus aureus Leukocidin AB (LukAB)
Research Mentor: Victor Torres
Research Institution: New York University
Sackler Institute
Home Institution: Jacobs University Bremen
Co-Authors: Victor Torres and David James,
New York University Medical Center
AB

Nicole Bermudez 5:30 PM, Belltown

Presentation Title: Two Movements in Latin America:
How Indigenous Groups Gain Political Power in
Dissimilar Contexts
Research Mentor: Jack Snyder
Research Institution: Columbia University
Home Institution: Bates College
Co-Authors: Jack Snyder, Columbia University
PE

Noah Bloch..... 12:15 PM, Elm II

Presentation Title: Synthesis and Characterization of
an Enzyme-Activated Fluorophore for Detection
of Phospholipase A2
Research Mentor: Edward Delikatny
Research Institution: University of Pennsylvania
Home Institution: Haverford College
Co-Authors: E. James Delikatny, Michael Chiorazzo
and Anatoliy Popov, University of Pennsylvania
BB

Kaleb Bogale..... 3:45 PM, Glen I

Presentation Title: Cellular Determinants of Circuit
Activation in the Mammalian Hippocampus
Research Mentor: Douglas Coulter
Research Institution: University of Pennsylvania
Home Institution: Pennsylvania State University
Co-Authors: Douglas Coulter and Christopher Dengler,
University of Pennsylvania
AB

Stephanie Bonilla.....4:00 PM, Cove I

Presentation Title: Empowering Parents to Increase
College Students' Success
Research Mentor: Todd Rogers
Research Institution: Harvard University
Home Institution: CSU Northridge
Co-Authors: Todd Rogers, Harvard University and
Harvard Kennedy School of Government
SS

Jennifer Bowers..... 3:15 PM, Cove II

Presentation Title: Self-Affirmation Intervention,
Cognitive Functioning, and Health
Research Mentor: Geoffrey Cohen
Research Institution: Stanford University
Home Institution: Rivier University
Co-Authors: Michael Schwalbe and Geoffrey Cohen,
Stanford University School of Humanities &
Sciences
SS

Devin Bready..... 5:45 PM, Glen I

Presentation Title: The Efficacy of Primary Immunotherapy Targeting the Phospho Thr212-Ser214 Epitope of Pathological Tau in Alzheimer's Disease
Research Mentor: Einar Sigurdsson
Research Institution: New York University Sackler Institute
Home Institution: Indiana University Purdue University
Co-Authors: Einar Sigurdsson, Dov Shamir and Erin Congdon, New York University Medical Center
AB

Ariel Calderon 3:00 PM, Glen III

Presentation Title: Titin, Lamins and Metabolic Syndrome?
Research Mentor: Katherine Wilson
Research Institution: Johns Hopkins University
Home Institution: Hunter College
Co-Authors: Katherine L. Wilson and Clifton R. Jenkins-Houk, Johns Hopkins University; Catherine Badens, Université de la Méditerranée
BB

Stephanie Castillo 5:15 PM, Glenbrook

Presentation Title: Manipulating the Surface Chemistry of Quantum Dots to Determine Ligand Quantum Dot Interaction
Research Mentor: Janet Macdonald
Research Institution: Vanderbilt University
Home Institution: University of Central Florida
Co-Authors: Janet Macdonald, Nazharie Brandon and Amadou Fall, Vanderbilt University
PS

Christopher Castro 5:00 PM, Aspen I

Presentation Title: Computational and Probabilistic Prediction of Enhancer-Gene Interactions
Research Mentor: Robin Dowell
Research Institution: University of Colorado Boulder
Home Institution: Northeastern Illinois University
Co-Authors: Robin Dowell and Joseph Azofeifa, University of Colorado at Boulder
BB

Yanqiao Chen 3:00 PM, Glenbrook

Presentation Title: Electrocatalytic Reduction of CO₂ to Formic Acid by Iridium (III) Trihydride Complex
Research Mentor: G. Tayhas R. Palmore
Research Institution: Brown University
Home Institution: Cornell University
Co-Authors: G. Tayhas R. Palmore and Steven Ahn, Brown University
PS

Kritika Chugh 5:00 PM, Aspen II

Presentation Title: The Function of Otx1 in Neocortical Neurogenesis
Research Mentor: Songhai Shi
Research Institution: Weill Cornell Medical College
Home Institution: University of Maryland, Baltimore County
Co-Authors: Songhai Shi and Kate Gao, Memorial Sloan Kettering Cancer Center
BB

Ricardo Chujutalli 4:45 PM, Elm I

Presentation Title: Determinants of Chemoresistance in Acute Myeloid Leukemia
Research Mentor: Sarah Qamar
Research Institution: Weill Cornell Medical College
Home Institution: Kettering College of Medical Arts
Co-Authors: Sarah Qamar, Weill Cornell Graduate School of Medical Sciences; Chris Park, Memorial Sloan-Kettering Cancer Center
AB

Jessica Clark 12:00 PM, Alder

Presentation Title: Nuclear Envelope Defects in Cancer
Research Mentor: Xiangxi Xu
Research Institution: University of Miami
Home Institution: Winston-Salem State University
Co-Authors: Xiangxi Xu, University of Miami; Elizabeth Smith, University of Virginia - BioMedical Sciences
AB

Joshua Cohen 12:30 PM, Aspen I

Presentation Title: Silencing KEAP1 to Activate Endogenous Antioxidant Pathway in Diabetic Mesenchymal Stem Cells
Research Mentor: Daniel Ceradini
Research Institution: New York University Sackler Institute
Home Institution: SUNY Binghamton
Co-Authors: Daniel Ceradini, Piul Rabbani and Alejandro Gomez-Viso, New York University Medical Center
BB

Celizbets Colón-Ortiz 5:45 PM, Elm II

Presentation Title: Does Visual Location of Lines and Faces Matter for our Brain?: Studying Hemifield Effects on Ensemble Perception of Low and High-Level Visual Stimuli
Research Mentor: George Álvarez
Research Institution: Harvard University
Home Institution: UPR-Cayey
Co-Authors: Jason Haberman and George Álvarez, Harvard University
SS

Sydney Corona.....2:45 PM, Westover

Presentation Title: Development of a Biosensor
Electrode Using Nanopatterned Bulk Metallic Glass
Research Mentor: Jenna Balestrini
Research Institution: Yale University
Home Institution: Saint Marys College of California
Co-Authors: Jenna Balestrini, Emily Kinser and
Jagannath Padmanabhan, Yale University
EN

Chelsea Crittle.....5:45 PM, Waterside

Presentation Title: A Recursive Cycle: How Racial
Stereotypes Deteriorate Teacher-Student
Relationships Over Time
Research Mentor: Greg Walton
Research Institution: Stanford University
Home Institution: Spelman College
Co-Authors: Greg Walton and Jason Okonofua,
Stanford University School of Humanities &
Sciences
SS

Bryan Cruz.....5:15 PM, Elm II

Presentation Title: Electric Organ Discharges and
Expression of Protein Kinase M zeta During
Memory Acquisition and Consolidation in Weakly
Electric Fish
Research Mentor: Peter Moller
Research Institution: Hunter College
Home Institution: CSU San Bernardino
Co-Authors: Peter Moller and Peter Serrano, Hunter
College
SS

Jessenia Cruz Robles.....5:30 PM, Aspen II

Presentation Title: The Impact of Fibroblast Growth
Factor Signaling Deficiencies on the Development
of Arginine Vasopressin (AVP) Neurons in the
Suprachiasmatic Nucleus in Male Mice
Research Mentor: Pei-San Tsai
Research Institution: University of Colorado Boulder
Home Institution: UPR-Humacao
Co-Authors: Pei- San Tsai and Scott Kavanaugh,
University of Colorado at Boulder
BB

Anthony Crymes.....12:15 PM, Alder

Presentation Title: Quantifying Tumor Morphology
in Endometrial Cancer Using a Mouse Model:
Understanding the Interaction Between Cancer
and the Host Immune Environment
Research Mentor: Adrian Erlebacher
Research Institution: New York University
Sackler Institute
Home Institution: Morehouse College
Co-Authors: Adrian Erlebacher, New York University
Medical Center
BB

Michael Davis.....3:15 PM, Glenbrook

Presentation Title: Experimental Morphology and
Spatial Density Alteration of Zinc Oxide Nanorod
Arrays Grown Using Block Copolymer Self
Assembly Micelle Monolayering
Research Mentor: Candice Pelligra
Research Institution: Yale University
Home Institution: New College of Florida
Co-Authors: Candice Pelligra and Chinedum Osuji,
Yale University; Christine Broadbridge, Southern
Connecticut State University
EN

Cristian de la Coteria.....4:45 PM, Glen III

Presentation Title: In-vitro Assay of Prohealing Fibrous
Polymer Coatings on Vascular Stents
Research Mentor: Wei Tan
Research Institution: University of Colorado Boulder
Home Institution: University of Notre Dame
Co-Authors: Wei Tan and Anirudh Dharmarajan,
University of Colorado at Boulder
AB

Andrew De Los Santos3:30 PM, Long Ridge

Presentation Title: Semi-synthetic Studies on
(+)-Boldine Towards the Identification of Novel
Ligands for Central Nervous System (CNS)
Receptors
Research Mentor: Wayne Harding
Research Institution: Hunter College
Home Institution: University of Maryland, Baltimore
County
Co-Authors: Wayne Harding and Benjamin Ortiz,
Hunter College
PS

Alirio deMeireles3:45 PM, Glen II

Presentation Title: The Effects of Phosphorylation of Serine-174 on N-Ras Trafficking and Signaling
 Research Mentor: Mark Philips
 Research Institution: New York University Sackler Institute
 Home Institution: Yale University
 Co-Authors: Mark Philips and James Mahaffey, New York University Medical Center
 BB

Lauren Dennison 11:15 AM, Alder

Presentation Title: Relapse-Specific Mutations in NT5C1B in Acute Lymphoblastic Leukemia
 Research Mentor: William Carroll
 Research Institution: New York University Sackler Institute
 Home Institution: University of Georgia
 Co-Authors: Julia Meyers and William Carroll, New York University Medical Center
 AB

Bradley Dice..... 3:15 PM, High Ridge

Presentation Title: The Glass-forming Ability and Packing Efficiency of Ternary Hard Sphere Mixtures as Model Bulk Metallic Glasses
 Research Mentor: Corey O'Hern
 Research Institution: Yale University
 Home Institution: William Jewell University
 Co-Authors: Corey O'Hern, Kai Zhang and Minglei Wang, Yale University
 EN

Nhat-Dang Do 3:00 PM, Belltown

Presentation Title: Representative Democracy: The Issue of Immigration and Candidate Responsiveness in California
 Research Mentor: Wendy Schiller
 Research Institution: Brown University
 Home Institution: UC San Diego
 SS

Amarachi Ejiaiwoko.....4:00 PM, Aspen I

Presentation Title: A Correlation Between Lithium and the Activation of the mTORC1 Pathway in the Treatment of Bipolar Disorder
 Research Mentor: Peter Klein
 Research Institution: University of Pennsylvania
 Home Institution: Claflin University
 Co-Authors: Peter S. Klein, Ritu Chakrabarti and W. Timothy O'Brien, University of Pennsylvania
 AB

Peace And Love El Henson.....3:45 PM, Cove I

Presentation Title: Pathways to an Elite Education for African American Women from Low-Income Neighborhoods
 Research Mentor: Vaughn Rasberry
 Research Institution: Stanford University
 Home Institution: UC Berkeley
 Co-Authors: Vaughn Rasberry, Stanford University School of Humanities & Sciences; Nikki Jones, University of California, Berkeley
 SS

Jalila Elfeji 3:15 PM, Westover

Presentation Title: Experimental Testing and Analysis of a Beam-Column Connection on Liquefiable Ground
 Research Mentor: Juan Olarte
 Research Institution: University of Colorado Boulder
 Home Institution: University of Wisconsin Madison
 Co-Authors: Shideh Dashti, Abbie Liel and Juan Carlos Olarte, University of Colorado at Boulder
 EN

Herenia Espitia Armenta..... 3:00 PM, Westover

Presentation Title: The Role of MyD88-5 in Calcium Homeostasis and Mitochondrial Dynamics in Neurons
 Research Mentor: Jordi Magrane
 Research Institution: Weill Cornell Graduate School
 Home Institution: Saint Mary's University
 Co-Authors: Jordi Magrane, Weill Cornell Graduate School of Medical Sciences
 PS

Esther Exantus3:15 PM, Glen II

Presentation Title: The Use of Poly(ADP ribose) Polymerase(PARP) Inhibitors as a Means to Treat Melanomas with BRCA 1 and BRCA 2 Mutations
 Research Mentor: Joann Sweasy
 Research Institution: Yale University
 Home Institution: Rutgers University
 Co-Authors: Joann Sweasy and Daria Sizova, Yale University
 BB

Onyekachi Ezeibe.....5:45 PM, Alder

Presentation Title: Intracellular Trafficking of KATP Ion Channels
 Research Mentor: William Coetzee
 Research Institution: New York University Sackler Institute
 Home Institution: Howard University
 Co-Authors: William Coetzee and Monique Foster, New York University Medical Center
 BB

Mitchell Farrell..... 4:00 PM, Glen I

Presentation Title: The Effects of Leptin on
Methamphetamine-Induced Activation of
Caspase-3 in the Rodent Striatum
Research Mentor: Jesus Angulo
Research Institution: Hunter College
Home Institution: College of New Jersey
Co-Authors: Jesus Angulo and Nawshin Kutub,
Hunter College
AB

Vierelina Fernández..... 3:00 PM, Springdale I

Presentation Title: Financing Civic Resistance:
Comparing Venezuela's Chavista Collectives to
Mexico's Zapatista "Caracoles"
Research Mentor: Kim Wilson
Research Institution: Tufts University
Home Institution: DePaul University
Co-Authors: Kim Wilson and Melita Sawyer,
Tufts University
SS

Amanda Filie..... 4:00 PM, Long Ridge

Presentation Title: A Comparison of Ti/Ag and Ag
Catalysts for Ethylene Epoxidation
Research Mentor: J. Will Medlin
Research Institution: University of Colorado Boulder
Home Institution: University of Maryland, College Park
Co-Authors: Matthew M. Montemore and J. Will
Medlin, University of Colorado at Boulder
EN

Vanessa Fleites 4:45 PM, Glen I

Presentation Title: Buprenorphine Produces
Antidepressant-like Effects in Mice Exposed to
Chronic Mild Stress
Research Mentor: Irwin Lucki
Research Institution: University of Pennsylvania
Home Institution: University of Miami
Co-Authors: Irwin Lucki and Edgardo Falcon,
University of Pennsylvania
BB

Aaron Fowler..... 11:15 AM, Glen III

Presentation Title: Tuberculosis: CPSA Affecting
Autophagy
Research Mentor: Jennifer Philips
Research Institution: New York University
Sackler Institute
Home Institution: University of Kentucky
Co-Authors: Jennifer Philips and Stefan Koster, New
York University Medical Center
BB

Samantha Furman 4:00 PM, High Ridge

Presentation Title: The Dirichlet Problem on an
Ellipsoid With Polynomial Boundary Values
Research Mentor: Benson Farb
Research Institution: University of Chicago
Home Institution: University of Maryland,
Baltimore County
Co-Authors: Benson Farb and Wouter van Limbeek,
University of Chicago
PS

Melissa Garber 12:00 PM, Aspen II

Presentation Title: Regulation of Estrogen Related
Receptor Alpha Through Kinesin
Research Mentor: Geri Kreitzer
Research Institution: Weill Cornell Graduate School
Home Institution: Cornell University
Co-Authors: Geri Kreitzer, Weill Cornell Graduate
School of Medical Sciences
BB

Maxine Garcia..... 3:00 PM, Aspen I

Presentation Title: Alterations in the Structure of the
Striatum in the Deer Mouse Model of Stereotypic
Behavior
Research Mentor: Mary Blue
Research Institution: Johns Hopkins University
Home Institution: Pomona College
Co-Authors: Syed Faizan Ali, Harvey S. Singer and
Mary E. Blue, Johns Hopkins University
BB

Zane Gibbs 5:15 PM, Elm I

Presentation Title: The Regulatory Role of Transcription
Factor E2A in Cell Proliferation
Research Mentor: Zdenek Andrysik
Research Institution: University of Colorado Boulder
Home Institution: University of North Texas
Co-Authors: Zdenek Andrysik and Joaquín M.
Espinosa, University of Colorado at Boulder
BB

Nitsan Goldstein 11:30 AM, Aspen II

Presentation Title: Effects of Gestational Intrauterine
Inflammation on Adult Offspring
Research Mentor: Teresa Reyes
Research Institution: University of Pennsylvania
Home Institution: Williams College
Co-Authors: Teresa Reyes, Nicola Grissom and Sarah
McKee, University of Pennsylvania
BB

Katherine Gonzalez 2:45 PM, Glen III
Presentation Title: The Role of AGE-RAGE Mediated Autophagy in Obese Adipose Tissue Inflammation
Research Mentor: Ann Marie Schmidt
Research Institution: New York University Sackler Institute
Home Institution: Florida Atlantic University
Co-Authors: Ann Marie Schmidt and Evelyn Litwinoff, New York University Medical Center
BB

Matthew Gonzalez 3:30 PM, Glen III
Presentation Title: Rage Deletion Reduces Myocardial Injury in High-Fat Diet-Fed Mice Through NFAT Signaling
Research Mentor: Radha Ananthakrishnan
Research Institution: New York University Sackler Institute
Home Institution: Arizona State University
Co-Authors: Radha Ananthakrishnan, Ravichandran Ramasamy and Ann Marie Schmidt, New York University Medical Center
AB

Michael Granovetter 2:45 PM, Aspen I
Presentation Title: Effects of the Prion Protein on the NMDA Receptor
Research Mentor: Martin Sadowski
Research Institution: New York University Sackler Institute
Home Institution: Princeton University
Co-Authors: Martin Sadowski and Joanna Pankiewicz, New York University Medical Center
BB

Rachel Grant 3:15 PM, Elm II
Presentation Title: Protein Degradation During Development: A Screen for E3 Ubiquitin Ligase Substrate Adaptor Genes
Research Mentor: Jessica Treisman
Research Institution: New York University Sackler Institute
Home Institution: Washington University in St. Louis
Co-Authors: Jessica Treisman and Annabelle Suisse, New York University Medical Center
BB

Camille Gregory 5:15 PM, Waterside
Presentation Title: Effects of Acute and Sustained Threat on Impulsivity in Adolescents
Research Mentor: BJ Casey
Research Institution: Weill Cornell Graduate School
Home Institution: Brooklyn College CUNY
Co-Authors: BJ Casey, Alexandra O. Cohen and Frederico Lourenco, Weill Cornell Graduate School of Medical Sciences
SS

Nicolas Greige 4:45 PM, Glen II
Presentation Title: Identifying Druggable Pathways to Prevent Outer Retina Degeneration by Lipofuscin Bisretinoids
Research Mentor: Marcelo Nociari
Research Institution: Weill Cornell Graduate School
Home Institution: Boston College
Co-Authors: Marcelo Nociari, Kris Barnes and Enrique Rodriguez-Boulan, Weill Cornell Graduate School of Medical Sciences
BB

Jeff Guevara 2:45 PM, High Ridge
Presentation Title: Growing and Characterizing 2D Silica Bilayers on Graphene Epitaxially Grown on Ruthenium(0001)/Sapphire
Research Mentor: Eric Altman
Research Institution: Yale University
Home Institution: CSU Dominguez Hills
Co-Authors: Eric I. Altman, Yale University
EN

Lyangela Gutierrez 4:00 PM, Springdale I
Presentation Title: What Did You Say?: The Effect of Accent on Resistance to Influence
Research Mentor: Deborah Prentice
Research Institution: Princeton University
Home Institution: Rice University
Co-Authors: Deborah Prentice, Princeton University
SS

Samantha Herd 3:45 PM, Waterside
Presentation Title: Power to the People: Black Voice Beyond the Black Arts Movement
Research Mentor: Herman Beavers
Research Institution: University of Pennsylvania Arts & Sciences
Home Institution: Saint Edward's University
Co-Authors: Herman Beavers, University of Pennsylvania
HU

Mateo Hernandez 5:45 PM, Elm I

Presentation Title: Investigating the Function of Rab7 in Salmonella Infected Cells
 Research Mentor: Sarah McQuate
 Research Institution: University of Colorado Boulder
 Home Institution: University of South Florida
 Co-Authors: Sarah Mcquate and Amy Palmer,
 University of Colorado at Boulder
 BB

Victor Hernandez5:45 PM, Glen II

Presentation Title: The Role of Mitochondria in MKP5 Deficient Skeletal Muscle Myogenesis and Regeneration
 Research Mentor: Anton Bennett
 Research Institution: Yale University
 Home Institution: Rutgers University
 Co-Authors: Kisuk Min and Anton Bennett, Yale University
 BB

Daniela Hernández..... 5:00 PM, Cove II

Presentation Title: Sorcery and The Eternal Feminine in Carlos Fuentes' "Aura"
 Research Mentor: Javier Guerrero
 Research Institution: Princeton University
 Home Institution: Dartmouth College
 Co-Authors: Javier Guerrero, Princeton University
 HU

Andrea Hernandez Mestre 3:30 PM, Elm I

Presentation Title: Identifying New Genes Implicated in Thermotaxis Behavior in the Nematode *C. Elegans* using a Forward Genetic Screen
 Research Mentor: Daniel Colon Ramos
 Research Institution: Yale University
 Home Institution: UPR-Cayey
 Co-Authors: Ana Calvo and Daniel Colon Ramos, Yale University
 BB

Angela Hin 3:30 PM, Aspen II

Presentation Title: Generation of mESCs Carrying POT1 Mutations Using CRISPR/Cas9-mediated Genome Editing
 Research Mentor: Agnel Sfeir
 Research Institution: New York University Sackler Institute
 Home Institution: University of Paris Diderot
 Co-Authors: Alexandra Pinzaru and Agnel Sfeir, New York University Medical Center
 BB

Christopher Hinojo 4:00 PM, Elm I

Presentation Title: Determining the Role of Transcription Factor LMO2 on Antibody Class Switch Recombination
 Research Mentor: Ramiro Verdun
 Research Institution: University of Miami
 Home Institution: Iowa State University
 Co-Authors: Ramiro Verdun, University of Miami
 BB

Caroline Hoppe.....3:15 PM, Aspen I

Presentation Title: Characterization of the Glucocorticoid Receptor (GR) Proteome Dependent on Brain Derived Neurotrophic Factor (BDNF) Signaling
 Research Mentor: Michael Garabedian
 Research Institution: New York University Sackler Institute
 Home Institution: Jacobs University Bremen
 Co-Authors: Michael Garabediann and Elina Shrestha, New York University Medical Center
 AB

Cierra Howard 5:30 PM, Westover

Presentation Title: The Determination of Metabolic or Spatial Factors Affecting Snail Host Carrying Capacity for Several Trematode Parasite Species and the Effectiveness of Different Bullfrog Life Stage Innate Immune Defenses against Trematodes
 Research Mentor: Pieter Johnson
 Research Institution: University of Colorado Boulder
 Home Institution: University of Hawaii Manoa
 Co-Authors: Pieter Johnson, University of Colorado at Boulder
 ES

Sequenza Howes-Williams....5:15 PM, Springdale II

Presentation Title: Sankofa: The Gendering of the Black American Return to West Africa
 Research Mentor: Rolland Murray
 Research Institution: Brown University
 Home Institution: Clark Atlanta University
 Co-Authors: Rolland Murray, Brown University
 HU

Benjamin Huber 5:45 PM, Westover

Presentation Title: Solar-Tracking Artificial Sunflower
 Research Mentor: Hong Tang
 Research Institution: Yale University
 Home Institution: Rice University
 Co-Authors: Hong Tang and Robert Polski, Yale University
 EN

Khang Huynh.....3:30 PM, Aspen I

Presentation Title: The Role of PKMz and Dopamine Receptor 1 in the Developmental Expression of Avoidance Memory
Research Mentor: Peter Serrano
Research Institution: Hunter College
Home Institution: Emory University
Co-Authors: Peter Serrano, Hunter College; Regina Sullivan, New York University Medical Center
AB

Ombeni Idassi4:00 PM, Glen II

Presentation Title: Cytoplasmic TBLR1 Inhibits Apoptosis
Research Mentor: Garrett Daniels
Research Institution: New York University Sackler Institute
Home Institution: North Carolina A&T State University
Co-Authors: Peng Lee and Garrett Daniels, New York University
Medical Center
BB

Misha Inniss-Thompson.....4:45 PM, Cove I

Presentation Title: Examining the Construction of 'Crack Babies' & Drug Treatment Policies in New York City
Research Mentor: Samuel Roberts
Research Institution: Columbia University
Home Institution: Cornell University
Co-Authors: Samuel Roberts, Columbia University
HU

Edward Irvine11:15 AM, Glen I

Presentation Title: Mapping of the Immunostimulatory Activity of Sendai Virus Defective Viral Genome
Research Mentor: Carolina López
Research Institution: University of Pennsylvania
Home Institution: Stanford University
Co-Authors: Jie Xu, Wenzhi Song and Carolina López, University of Pennsylvania
BB

Max Jacobs.....3:15 PM, Springdale II

Presentation Title: Ideologically Independent: Why Perceiving the Independent Voter as a Myth is a Problem
Research Mentor: David Dent
Research Institution: New York University
Home Institution: Rutgers University
Co-Authors: David Dent, New York University - Arts & Sciences
HU

Darin Jagnarine..... 11:15 AM, Glen II

Presentation Title: Cortical Projection Domains of Individual Basal Forebrain Cholinergic Cells
Research Mentor: Bernardo Rudy
Research Institution: New York University Sackler Institute
Home Institution: University of Florida
Co-Authors: Bernardo Rudy, William Munoz and Robin Tremblay, New York University Medical Center
BB

Christopher Jarvis..... 3:45 PM, High Ridge

Presentation Title: Design of a Python-based Online Bulk Metallic Glass Database
Research Mentor: Jan Schroers
Research Institution: Yale University
Home Institution: Bucknell University
Co-Authors: Jan Schroers and Yanglin Li, Yale University
EN

Tiarra Joell.....11:45 AM, Aspen II

Presentation Title: Examine Effects of Egfl7 Overexpression in Placental Vasculature
Research Mentor: Heidi Stuhlmann
Research Institution: Weill Cornell Graduate School
Home Institution: Claflin University
Co-Authors: Heidi Stuhlmann, Laretta Lacko and Abhijeet Sharma, Weill Cornell Graduate School of Medical Sciences
BB

Darren Johnson.....12:30 PM, Elm II

Presentation Title: The Effect of Post-Translational Modifications on the Protein-Protein Interactions of IRF1
Research Mentor: Kathleen Sullivan
Research Institution: University of Pennsylvania
Home Institution: Towson University
Co-Authors: Kathleen Sullivan, University of Pennsylvania
AB

Bhavna Jois.....12:00 PM, Elm II

Presentation Title: Mass Apectrometry: An Essential Tool in Examining Post-translational Modifications of Histones
Research Mentor: Benjamin Garcia
Research Institution: University of Pennsylvania
Home Institution: University of Maryland, Baltimore County
Co-Authors: Benjamin Garcia, Kelly Karch and Simone Sidoli, University of Pennsylvania
BB

Hadiya Jones.....3:15 PM, Waterside

Presentation Title: Viral Blackness: Constructing Black Womanhood on the Web
 Research Mentor: Valerie Smith
 Research Institution: Princeton University
 Home Institution: Spelman College
 Co-Authors: Valerie Smith, Princeton University
 HU

Jovonna Jones.....2:45 PM, Waterside

Presentation Title: StimulEye: Contemplating Realms of Being Through Contemporary Black Photography
 Research Mentor: Deborah Willis
 Research Institution: New York University
 Home Institution: Emory University
 Co-Authors: Deborah Willis, New York University - Arts & Sciences
 HU

Woojin Kim.....5:15 PM, Cove II

Presentation Title: Ancient Mediterranean Religions and Christian Identity in Justin Martyr's "Apologies"
 Research Mentor: Annette Reed
 Research Institution: University of Pennsylvania Arts & Sciences
 Home Institution: Johns Hopkins University
 Co-Authors: Annette Yoshiko Reed, University of Pennsylvania
 HU

Kent Kurashima 2:45 PM, Long Ridge

Presentation Title: Characterizing Heat Transfer Properties of Flat Micro Heat Pipes
 Research Mentor: Yang Ronggui
 Research Institution: University of Colorado Boulder
 Home Institution: San Diego State University
 Co-Authors: Yang Ronggui and Steven Isaacs, University of Colorado at Boulder
 EN

Eileen Lam.....3:00 PM, Springdale II

Presentation Title: Media Consumption: A Factor for Asian-American Political Participation?
 Research Mentor: Robert Shapiro
 Research Institution: Columbia University
 Home Institution: Bates College
 Co-Authors: Robert Shapiro and Amber Spry, Columbia University
 PE

Carolina Larrain 12:30 PM, Glen III

Presentation Title: IL33 and its Receptor, IL1RL1 (ST2), are Genetic Risk Factors and Serum Biomarkers for Pulmonary Arterial Hypertension
 Research Mentor: Kathleen Barnes
 Research Institution: Johns Hopkins University
 Home Institution: University of Wisconsin Madison
 Co-Authors: Monica Campbell, Li Gao and Kathleen C. Barnes, Johns Hopkins University
 BB

Elizabeth Laudadio 3:45 PM, Westover

Presentation Title: Synthesis of Chlorin Derivatives for Photodynamic Therapy
 Research Mentor: Junior Gonzales
 Research Institution: Hunter College
 Home Institution: Mount Holyoke College
 Co-Authors: Junior Gonzales, Daniel Hart and Charles Drain, Hunter College
 PS

Marcus Lee5:30 PM, Springdale II

Presentation Title: When the Revolution is Funded: Black Gay AIDS Activism and the Non-Profit Industrial Complex
 Research Mentor: Jafari Allen
 Research Institution: Yale University
 Home Institution: Morehouse College
 Co-Authors: Jafari Allen, Yale University
 PE

Jocelyn Legere 3:15 PM, Long Ridge

Presentation Title: A Pincer Supported Iron Compound for the Catalytic Dehydrogenation of Methanol and Formic Acid
 Research Mentor: Nilay Hazari
 Research Institution: Yale University
 Home Institution: Bloomsburg University of Pennsylvania
 Co-Authors: Nilay Hazari and Elizabeth Bielinski, Yale University
 PS

Reginald Lerebours..... 3:45 PM, Glen III

Presentation Title: Investigating Low-density Lipoprotein Change Scores Using a Baseline Adjusted Analysis of Covariance
 Research Mentor: Andrea Troxel
 Research Institution: University of Pennsylvania
 Home Institution: North Carolina State University
 Co-Authors: Andrea Troxel, University of Pennsylvania
 AB

Peter Litwin 3:30 PM, Westover

Presentation Title: Using the FIB and AFM to Assist in the Creation of a Ferroelectric FET
Research Mentor: Fred Walker
Research Institution: Yale University
Home Institution: Southern Connecticut State University
Co-Authors: Fred Walker, Charles Ahn and Cristina Visani, Yale University
PS

Andrea Lopez 5:15 PM, Glen II

Presentation Title: Mechanisms Responsible for Megalin Apical Recycling
Research Institution: Weill Cornell Graduate School
Home Institution: UPR-Rio Piedras
Co-Authors: Andres Perez Bay and Enriquez Rodriquez-Boulan, Weill Cornell Graduate School of Medical Sciences
BB

Claudia Lopez 5:00 PM, Glen II

Presentation Title: Cloning and Characterization of Odorant Receptors Expressed in the Zebrafish Olfactory Bulb
Research Mentor: Jonathan Raper
Research Institution: University of Pennsylvania
Home Institution: UPR-Rio Piedras
Co-Authors: Jonathan Raper, University of Pennsylvania
BB

Naomi López-Caraballo 5:00 PM, Glen I

Presentation Title: Oxytocin Modulates Acoustic-Based Social Behaviors
Research Mentor: Robert Froemke
Research Institution: New York University Sackler Institute
Home Institution: UPR-Mayaguez
Co-Authors: Robert Froemke and Bianca Jones, New York University Medical Center
BB

Jovans Lorquet 5:30 PM, Glen II

Presentation Title: Assessing In vitro the Effects of Calreticulin on Corneal Epithelial Cells as a Model for Improved Eye Wound Healing
Research Mentor: Leslie I. Gold
Research Institution: New York University Sackler Institute
Home Institution: Barry University
Co-Authors: Leslie I. Gold and Savvas Pavlides, New York University Medical Center
AB

Anthony Lotten 4:45 PM, Springdale I

Presentation Title: Understanding Diaspora: Race and Identity in Piri Thomas's "Down These Mean Streets"
Research Mentor: Marcellus Blount
Research Institution: Columbia University
Home Institution: Xavier University of Louisiana
Co-Authors: Marcellus Blount and Nijah Cunningham, Columbia University
HU

Jamel Love 3:45 PM, Cove II

Presentation Title: Ideology or Partisan Conflict: An Analysis of Congressional Debate Surrounding the Health Care Reform
Research Mentor: Meridith Long
Research Institution: Vanderbilt University
Home Institution: John Jay College of Criminal Justice CUNY
Co-Authors: Meri Long and Marc Hetherington, Vanderbilt University
SS

Kenyetta Lowery 3:30 PM, Belltown

Presentation Title: Professional Vagrants: Post Recession's New Faces of Homelessness in America
Research Mentor: Yvonne Latty
Research Institution: New York University
Home Institution: Edward Waters College
Co-Authors: Yvonne Latty, Jane Carr and Ben Stewart, New York University - Arts & Sciences
HU

Julie Luna 5:30 PM, Glen III

Presentation Title: Role of Brown Adipose Tissue Organ in Treatment of Diabetes and Obesity
Research Mentor: Shuibing Chen
Research Institution: Weill Cornell Medical College
Home Institution: UPR-Aguadilla
Co-Authors: Shuibing Chen and Suranjit Mukherjee, Weill Cornell Medical College
AB

Gaurav Luthria 3:15 PM, Aspen II

Presentation Title: Genomic Analysis of Demography and Natural Selection in African Populations
Research Mentor: Sarah Tishkoff
Research Institution: University of Pennsylvania
Home Institution: University of Maryland, Baltimore County
Co-Authors: Nicholas Crawford and Sarah Tishkoff, University of Pennsylvania
BB

Bria Macklin..... 11:15 AM, Aspen I

Presentation Title: Bone Morphogenetic Protein-2
Induced Osteogenesis of Human Mesenchymal
Stem Cells In vitro

Research Mentor: Jason Burdick

Research Institution: University of Pennsylvania

Home Institution: North Carolina A&T

State University

Co-Authors: Julianne Holloway and Jason Burdick,
University of Pennsylvania

AB

Sara Maes..... 3:00 PM, Aspen II

Presentation Title: Comparing Effectiveness of Four
Tissue Preservation Methods Through DNA
Analysis

Research Mentor: Zoran Budmijlia

Research Institution: New York University

Sackler Institute

Home Institution: University of New Mexico

Co-Authors: Zoran Budmijlia, New York University
Medical Center

BB

Oleg Makarevich.....3:30 PM, Elm II

Presentation Title: The Effects of NAB2, a Chemical
Agonist of Nedd4, on TrkA Ubiquitination

Research Mentor: Moses Chao

Research Institution: New York University

Sackler Institute

Home Institution: University of Maryland,
Baltimore County

Co-Authors: Moses Chao and Thorsten Kranz, New
York University Medical Center

BB

Jessica Manfredi.....5:00 PM, Cove I

Presentation Title: Is Inequality Universal?: The
Educational Gradient in Child Health Among
Immigrant Families

Research Mentor: Margot Jackson

Research Institution: Brown University

Home Institution: University of Washington

Co-Authors: Margot Jackson, Brown University

SS

Megan Marshall12:15 PM, Glen II

Presentation Title: Using Dynamic/Continuous
Auditory-Visual Speech Stimuli to Evaluate Neural
Mechanisms of Multisensory Integration

Research Mentor: Thomas Thesen

Research Institution: New York University

Sackler Institute

Home Institution: Brown University

Co-Authors: Thomas Thesen, Veronika Pomyateeva and
Arpan Patel, New York University Medical Center

AB

Jesus Martinez-Gomez11:15 AM, Aspen II

Presentation Title: Possible Interaction Between Notch
and TGF-Beta Pathways in Germline Development
in *C. elegans*

Research Mentor: Olga Pekar

Research Institution: New York University

Sackler Institute

Home Institution: University of Washington

Co-Authors: Olga Pekar and Jane Hubbard, New York
University Medical Center

BB

Wangui Mbuguiro..... 5:00 PM, Elm I

Presentation Title: Modeling Transformation
from Myeloproliferative Neoplasms to Acute
Myeloid Leukemia

Research Mentor: Anna McKenney

Research Institution: Weill Cornell Medical College

Home Institution: Massachusetts Institute of
Technology

Co-Authors: Anna McKenney, Weill Cornell Medical
College; Ross Levine, Memorial Sloan-Kettering
Cancer Center

AB

Margaret McCarter 3:45 PM, Long Ridge

Presentation Title: Studying the Properties of PZT
and LNO for Use in Ferroelectric Field-effect
Transistors

Research Mentor: Fred Walker

Research Institution: Yale University

Home Institution: Illinois Wesleyan University

Co-Authors: Charles Ahn, Fred Walker and Cristina
Visani, Yale University

PS

Floyd McMillan, Jr. 3:30 PM, Alder

Presentation Title: Are There Phages in Water?
 Research Mentor: Blake Wiedenheft
 Research Institution: Montana State University
 -Bozeman
 Home Institution: Fort Peck Community College
 Co-Authors: Blake Wiedenheft and Sarah Golden,
 Montana State University
 AB

Edgar Mejia 5:00 PM, Springdale II

Presentation Title: Benevolent Sexism & Modern
 Marianismo: A Dyadic Relationship Among 2nd
 Generation Latinas/os
 Research Mentor: Deborah Prentice
 Research Institution: Princeton University
 Home Institution: Middlebury College
 Co-Authors: Deborah Prentice, Princeton University
 SS

Michael Melendez 5:45 PM, Aspen II

Presentation Title: The Effects of miR138 on Nicotine
 Consumption
 Research Mentor: Xavier Gallego
 Research Institution: University of Colorado Boulder
 Home Institution: UPR-Mayaguez
 Co-Authors: Xavier Gallego and Marissa Ehringer,
 University of Colorado at Boulder
 BB

Krystal Mendez 5:00 PM, Elm II

Presentation Title: The Moderating Role of DRD4 in
 Parent-Child Relationships for Children With
 ADHD
 Research Mentor: Sara Jaffee
 Research Institution: University of Pennsylvania
 Home Institution: Brooklyn College CUNY
 Co-Authors: Sara Jaffee and Jessie Cline, University of
 Pennsylvania
 SS

Megan Miller 11:45 AM, Elm I

Presentation Title: Role of Interleukin 1 in Expression of
 Pro-inflammatory Cytokines During Streptococcus
 Pneumoniae Colonization
 Research Mentor: Jeffrey Weiser
 Research Institution: University of Pennsylvania
 Home Institution: New Mexico State University
 Co-Authors: Jamie Lemon and Jeffrey Weiser,
 University of Pennsylvania
 AB

Joshua Millings 3:00 PM, High Ridge

Presentation Title: Optimizing Signals from Thousands
 of Cryogenic Detectors Simultaneously
 Research Mentor: Suzanne Staggs
 Research Institution: Princeton University
 Home Institution: Massachusetts Institute
 of Technology
 Co-Authors: Suzanne Staggs and Christine Pappas,
 Princeton University
 PS

Briaunna Minor 11:30 AM, Glen I

Presentation Title: NMR studies of the HIV-1 Core
 Encapsidation Signal
 Research Mentor: Sarah Keane
 Research Institution: University of Maryland,
 Baltimore County
 Home Institution: Xavier University of Louisiana
 Co-Authors: Sarah Keane and Michael Summers,
 University of Maryland, Baltimore County
 BB

Miguel Miranda-Roman 11:30 AM, Alder

Presentation Title: Investigating Acetyl-CoA Regulation
 of Gene Expression in Glioblastoma Cells
 Research Mentor: Kathryn Wellen
 Research Institution: University of Pennsylvania
 Home Institution: UPR-Rio Piedras
 Co-Authors: Kathryn E. Wellen and Joyce V. Lee,
 University of Pennsylvania
 BB

Nina Montoya 11:15 AM, Elm I

Presentation Title: The Role of RAR-Related Orphan
 Receptor-gamma and its Interacting Proteins in
 Promoting T-helper 17 Cell Differentiation
 Research Mentor: Wendy Huang
 Research Institution: New York University
 Sackler Institute
 Home Institution: Gonzaga University
 Co-Authors: Wendy Huang and Dan Littman, New
 York University Medical Center
 BB

Gabriel Moore 2:45 PM, Alder

Presentation Title: Using Synthetic Ligands to Activate
 a Global Regulator Protein in Endospore-forming
 Bacteria
 Research Mentor: Linc Sonenshein
 Research Institution: Tufts University Graduate
 BioMedical Sciences
 Home Institution: Oberlin College
 Co-Authors: Abraham Sonenshein, Tufts University
 School of Graduate BioMedical Sciences
 BB

Andres Moya-Rodríguez 5:30 PM, Alder

Presentation Title: Simultaneous Characterization of Voltage Sensor Movement and Ionic Currents of Shaker 356C 361R K⁺ Channel Mutant
 Research Mentor: Francisco Bezanilla
 Research Institution: University of Chicago
 Home Institution: UPR-Mayaguez
 Co-Authors: Francisco Bezanilla, Michael Priest and Joao De Souza, University of Chicago
 BB

Luis Munoz..... 11:30 AM, Elm I

Presentation Title: The Regulation of TIPE2 and its Mechanism of Inflammation Regulation
 Research Mentor: Youhai Chen
 Research Institution: University of Pennsylvania
 Home Institution: University of Texas at San Antonio
 Co-Authors: Youhai Chen, Derek Johnson and Terry Cathopoulos, University of Pennsylvania
 AB

Frances Muñoz.....3:30 PM, Springdale II

Presentation Title: "Representing Opposing Sides": Analysis of Strategic Abilities in the Bellum Alexandrinum and Bellum Africum
 Research Mentor: Cynthia Damon
 Research Institution: University of Pennsylvania Arts & Sciences
 Home Institution: UPR-Rio Piedras
 Co-Authors: Cynthia Damon, University of Pennsylvania
 HU

Tuan Nguyen 11:15 AM, Elm II

Presentation Title: Expression and Purification of the D650V/M537I Drug Resistant Mutants in Fibroblast Growth Factor Receptor (FGFR) Kinase
 Research Mentor: Moosa Mohammadi
 Research Institution: New York University Sackler Institute
 Home Institution: University of Georgia
 Co-Authors: Huaibin Chen and Moosa Mohammadi, New York University Medical Center
 BB

David Nicholson 3:15 PM, Elm I

Presentation Title: Approximate Bayesian Computation for Causal Inference via Mendelian Randomization and Application to Heart Disease
 Research Mentor: Benjamin Voight
 Research Institution: University of Pennsylvania
 Home Institution: University of Maryland, Baltimore County
 Co-Authors: Benjamin F. Voight, University of Pennsylvania
 AB

Maalik Nickerson..... 2:45 PM, Springdale I

Presentation Title: Rocking The Boat: Class Divisions Amongst Racial Minorities
 Research Mentor: Robert Shapiro
 Research Institution: Columbia University
 Home Institution: Morehouse College
 Co-Authors: Robert Shapiro and Amber Spry, Columbia University
 SS

Akua Nimarko..... 11:30 AM, Glen II

Presentation Title: A Gain of Function Screen to Identify Transcriptional Regulators of Axon Guidance in *Drosophila*
 Research Mentor: Greg Bashaw
 Research Institution: University of Pennsylvania
 Home Institution: University of Maryland, Baltimore County
 Co-Authors: Celine Santiago and Greg Bashaw, University of Pennsylvania
 BB

Vesta Nwankwo..... 11:45 AM, Glen II

Presentation Title: Molecular Complexity of Wnt Signaling Pathways in Forebrain Regions
 Research Mentor: Michele Jacob
 Research Institution: Tufts University Graduate BioMedical Sciences
 Home Institution: Mercer University
 Co-Authors: Michele Jacob and Jonathan Alexander, Tufts University School of Graduate BioMedical Sciences; Michael McGuire, College of the Holy Cross
 BB

Angie Ocampo3:30 PM, Cove I

Presentation Title: The Experiences of Undocumented Latino College Students at Elite Universities
 Research Mentor: Chenoa Flippen
 Research Institution: University of Pennsylvania Arts & Sciences
 Home Institution: Brown University
 Co-Authors: Chenoa Flippen, University of Pennsylvania
 SS

Christopher Odudu12:00 PM, Glen II

Presentation Title: Differences in Behavior Between Sickle Cell Disease Individuals With Silent Stroke and Overt Stroke
 Research Mentor: Desiree White
 Research Institution: Washington University in St. Louis
 Home Institution: CSU Dominguez Hills
 Co-Authors: Desiree White and Anna Hood, Washington University in St. Louis
 AB

Christine Ohenewah..... 3:15 PM, Belltown

Presentation Title: Africans and African Americans in the Twin Cities: White Citizenry and Its Effect on Their Tensions

Research Mentor: Marcyliena Morgan

Research Institution: Harvard University

Home Institution: Macalester College

Co-Authors: Duchess Harris, Jane Rhodes and SooJin Pate, Macalester College

HU

Alexandria Okeke5:15 PM, Cove I

Presentation Title: Hiding Behind Hurt: An Analysis of Black Women's Relationships with Mental Health Care

Research Mentor: Dorothy Roberts

Research Institution: University of Pennsylvania Arts & Sciences

Home Institution: Georgia State University

Co-Authors: Dorothy E. Roberts, University of Pennsylvania

HU

Joanna Olivas 3:00 PM, Alder

Presentation Title: Human Epithelial Model for the Study of atg16l1 During S. aureus Infection In vitro

Research Mentor: Kenneth Cadwell

Research Institution: New York University Sackler Institute

Home Institution: University of Texas at El Paso

Co-Authors: Kenneth Cadwell and Katie Maurer, New York University Medical Center

AB

Roxana Ontiveros4:00 PM, Springdale II

Presentation Title: From Diversity to Disadvantage: Restoring Higher Education's Social Mobility Mission

Research Mentor: Tomiko Brown-Nagin

Research Institution: Harvard University

Home Institution: University of Southern California

Co-Authors: Tomiko Brown-Nagin, Harvard Law School and Harvard University

HU

Laura Ortiz..... 4:45 PM, Cove II

Presentation Title: Spectacle and Skepticism: Witch-Plays in the Early Modern Stage

Research Mentor: Jean Howard

Research Institution: Columbia University

Home Institution: UPR-Rio Piedras

Co-Authors: Jean Howard, Columbia University

HU

Adewola Osunsade..... 5:30 PM, Glen I

Presentation Title: Gender-based Differences in Mice with an Autism Associated Deletion

Research Mentor: Ted Abel

Research Institution: University of Pennsylvania

Home Institution: University of the District of Columbia

Co-Authors: Edwin Abel, Teresa Reyes and Nicola Grissom, University of Pennsylvania

BB

Taylor Pauls 5:30 PM, Elm I

Presentation Title: Interactions between Disordered Proteins, p53 and BRCA1 C-terminis 2 and C-terminis 3

Research Mentor: Loren Hough

Research Institution: University of Colorado Boulder

Home Institution: University of Arkansas at Fayetteville

Co-Authors: Loren Hough, University of Colorado at Boulder

BB

Jacelyn Peabody11:30 AM, Glen III

Presentation Title: Regulators of Right Ventricular Angiogenesis in a Murine Model of Chronic Hypoxic Pulmonary Hypertension

Research Mentor: Todd Kolb

Research Institution: Johns Hopkins University

Home Institution: Carthage College

Co-Authors: Todd Kolb, Jonathan Fallica and Paul Hassoun, Johns Hopkins University

AB

Serenela Pelier3:30 PM, Waterside

Presentation Title: A Stylistic Analysis of Scarab Amulets in the Yale Peabody Museum of Natural History Collection

Research Mentor: Colleen Manassa

Research Institution: Yale University

Home Institution: University of Central Florida

Co-Authors: Colleen Manassa, Yale University

SS

Orlando Pena 3:30 PM, Glenbrook

Presentation Title: Integration and Testing of Passive Magnetic Bearings in Small Turboprop Engines

Research Mentor: Ryan Starkey

Research Institution: University of Colorado Boulder

Home Institution: UPR-Mayaguez

Co-Authors: Ryan Starkey, University of Colorado at Boulder

EN

Melecio Perea4:00 PM, Elm II

Presentation Title: Investigating the Function of the Tankyrase-BRISC Complex
 Research Mentor: Roger Greenberg
 Research Institution: University of Pennsylvania
 Home Institution: New Mexico Highlands University
 Co-Authors: Roger Greenberg and Lei Tian, University of Pennsylvania

BB

Alexandrea Perez 5:15 PM, Springdale I

Presentation Title: Reclaiming the Home: The Use of Domesticana in the Novels of María Amparo Escandón
 Research Mentor: Zahid Chaudhary
 Research Institution: Princeton University
 Home Institution: Rice University
 Co-Authors: Daniel Hazard and S. Isabel Geathers, Princeton University

HU

Jonatan Perez..... 3:45 PM, Belltown

Presentation Title: Mestizaje as Imagined Community: Constructing National Identity in Mexico (1910 - 1930)
 Research Mentor: Patricia Fernandez-Kelly
 Research Institution: Princeton University
 Home Institution: Brown University
 Co-Authors: Tera Hunter and Patricia Fernandez-Kelly, Princeton University

HU

Gabrielle Peterson.....3:00 PM, Cove I

Presentation Title: Why Aren't All of the Black Kids Sitting Together? Intra-Racial Relations of Black West Indian College Students on Campus
 Research Mentor: Shamus Khan
 Research Institution: Columbia University
 Home Institution: Smith College
 Co-Authors: Shamus Khan and Brittany N. Fox, Columbia University

SS

Hang Pham..... 5:00 PM, Glenbrook

Presentation Title: Optimization of EDS Instrument Parameters for the Creation of a Compositional Database for Bulk Metallic Glasses
 Research Mentor: Christine Broadbridge
 Research Institution: Yale University
 Home Institution: Southern Connecticut State University
 Co-Authors: Christine Broadbridge, Yale University

PS

Elena Pires..... 12:30 PM, Elm II

Presentation Title: Toying with Tribbles: Testing their Binding Activity to MALT1 via Swap Mutations
 Research Mentor: Warren Pear
 Research Institution: University of Pennsylvania
 Home Institution: Hunter College
 Co-Authors: Warren Pear and Kelly Rome, University of Pennsylvania

BB

Darien Pollock 5:30 PM, Cove II

Presentation Title: 21st Century American Street Philosophy and a Diminished Moral Conscience
 Research Mentor: Imani Perry
 Research Institution: Princeton University
 Home Institution: Morehouse College
 Co-Authors: Imani Perry, Princeton University

HU

Joseph Portanova 3:30 PM, Cove II

Presentation Title: Resting State Brain Activity of High and Low Media Multitaskers
 Research Mentor: Anthony Wagner
 Research Institution: Stanford University
 Home Institution: Macalester College
 Co-Authors: Anthony Wagner, Melina Uncapher and Tyler Boyd-Meredith, Stanford University School of Humanities & Sciences

SS

Justin Preddie.....4:45 PM, Springdale II

Presentation Title: That's Gay!: The Use of Non-Verbal Cues as Determinants of Sexual Orientation by African American Men
 Research Mentor: Deborah Prentice
 Research Institution: Princeton University
 Home Institution: Hampton University
 Co-Authors: Deborah Prentice, Princeton University

SS

Allison Puglisi.....5:45 PM, Cove I

Presentation Title: Bread and Justice: The Politics of Motherhood in Los Angeles's Welfare Rights Movement
 Research Mentor: Joshua Guild
 Research Institution: Princeton University
 Home Institution: Dartmouth College
 Co-Authors: Joshua Guild, Princeton University

HU

Santiago Pulido..... 12:00 PM, Elm I

Presentation Title: The Role That Neutrophil Extracellular Traps Play During Sepsis
Research Mentor: Alfred Ayala
Research Institution: Brown University
Home Institution: College of New Jersey
Co-Authors: Bethany Biron, Yaping Chen, Jonathan Reichner and Alfred Ayala, Brown University
AB

Natalia Quijano-Cardé5:30 PM, Aspen I

Presentation Title: Effects of Nicotine and Alcohol Co-abuse on Drug Intake and Withdrawal Symptoms
Research Mentor: Mariella De Biasi
Research Institution: University of Pennsylvania
Home Institution: UPR-Mayaguez
Co-Authors: Erika Perez and Mariella De Biasi, University of Pennsylvania
AB

Katherine Quiroz Figueroa11:45 AM, Glen I

Presentation Title: Characterization of 2',5'-phosphodiesterases of Coronaviridae Family Members
Research Mentor: Susan Weiss
Research Institution: University of Pennsylvania
Home Institution: UPR-Rio Piedras
Co-Authors: Susan R. Weiss and Joshua M. Thornbrough, University of Pennsylvania; Robert H. Silverman, Cleveland Clinic
BB

Amanda Ramdular 11:30 AM, Elm II

Presentation Title: Structural Analysis of the Microtubule Binding Region of Microtubule Bound TAU Using Electron Paramagnetic Resonance Spectroscopy
Research Mentor: David Eliezer
Research Institution: Weill Cornell Graduate School
Home Institution: Hunter College
Co-Authors: David Eliezer and Shifeng Xiao, Weill Cornell Graduate School of Medical Sciences
BB

Brianna Ramirez.....3:45 PM, Elm II

Presentation Title: Characterizing the ATP Binding Properties of FtsE, a Cell Division Protein, in *Caulobacter Crescentus*
Research Mentor: Erin Goley
Research Institution: Johns Hopkins University
Home Institution: University of Texas at El Paso
Co-Authors: Elizabeth Meier and Erin Goley, Johns Hopkins University
BB

Benjamin Randolph..... 4:00 PM, Belltown

Presentation Title: Emancipatory Subjects in Contemporary Indigenous Literatures of the Americas
Research Mentor: José David Saldívar
Research Institution: Stanford University
Home Institution: Dartmouth College
Co-Authors: José David Saldívar, Stanford University School of Humanities & Sciences
HU

Jenna Ray.....3:45 PM, Springdale II

Presentation Title: Foreign Policy in the Senate During Reconstruction 1870-1890
Research Mentor: Wendy Schiller
Research Institution: Brown University
Home Institution: Spelman College
Co-Authors: Wendy Schiller, Brown University
HU

Joel Rhone 5:00 PM, Belltown

Presentation Title: Divided We Fall: Black Estrangement from the American Cultural Zeitgeist Post WWII
Research Mentor: Deborah Nelson
Research Institution: University of Chicago
Home Institution: Howard University
Co-Authors: Deborah Nelson, University of Chicago
HU

Theo Ribierre 2:45 PM, Elm I

Presentation Title: Genomic Screen Using the CRISPR-Cas9 System in Immune Cell Lines
Research Mentor: Stefan Feske
Research Institution: New York University Sackler Institute
Home Institution: University of Paris Diderot
Co-Authors: Stefan Feske, New York University Medical Center
BB

Ashley Rivera 11:45 AM, Alder

Presentation Title: Antigen Identification in Vaccinated Breast Cancer Patients
Research Mentor: Leisha Emens
Research Institution: Johns Hopkins University
Home Institution: Rochester Institute of Technology
Co-Authors: Leisha Emens, Johns Hopkins University
AB

Osvaldo Rivera..... 2:45 PM, Aspen II

Presentation Title: Defining Sites of Genomic Instability
 Arising from Replication Stress
 Research Mentor: Eric Brown
 Research Institution: University of Pennsylvania
 Home Institution: Universidad Metropolitana
 Co-Authors: Eric Brown, Nishita Shastri and Yu-Chen
 Tsai, University of Pennsylvania
 BB

Anisleidys Rivero4:45 PM, Elm II

Presentation Title: Using Oculomotor Measures to
 Understand Event Comprehension
 Research Mentor: Jeffrey Zacks
 Research Institution: Washington University in St. Louis
 Home Institution: University of Houston-Downtown
 Co-Authors: Michelle Eisenberg and Jeffrey M. Zacks,
 Washington University in St. Louis
 SS

Lara Roach 12:30 PM, Glen I

Presentation Title: Developing a Novel Method for
 Generating Recombinant Adenovirus
 Research Mentor: Stephen Langer
 Research Institution: University of Colorado Boulder
 Home Institution: UCLA
 Co-Authors: Stephen Langer and Leslie Leinwand,
 University of Colorado at Boulder
 BB

Brianne Rodgers 3:30 PM, Springdale I

Presentation Title: The Impact of Colorblindness Versus
 Multiculturalism on Perceptions of Racial Prejudice
 Research Mentor: Deborah Prentice
 Research Institution: Princeton University
 Home Institution: Rice University
 Co-Authors: Deborah Prentice, Princeton University
 SS

Rebekah Rodriguez..... 11:30 AM, Aspen I

Presentation Title: Direct Differentiation of Embryonic
 Stem Cells to Endothelial Cells Using ETS
 Transcription Factors
 Research Mentor: Shahin Rafii
 Research Institution: Weill Cornell Graduate School
 Home Institution: University of Texas at San Antonio
 Co-Authors: Brisa Palikuqi, Will Schachterle and
 Shahin Rafii, Cornell University
 BB

Roxana Rodríguez 3:45 PM, Elm I

Presentation Title: The Role of the Gene shep in
 Cell Migration
 Research Mentor: Michelle Starz-Gaiano
 Research Institution: University of Maryland,
 Baltimore County
 Home Institution: UPR-Rio Piedras
 Co-Authors: Michelle Starz-Gaiano, University of
 Maryland, Baltimore County
 BB

Emily Rogers 3:45 PM, Springdale I

Presentation Title: Climates of Fear: Weather Culture
 and/as National Security Culture in the Post-9/11
 United States
 Research Mentor: Lisa Duggan
 Research Institution: New York University
 Home Institution: Sarah Lawrence College
 Co-Authors: Lisa Duggan, New York University -
 Arts & Sciences
 HU

Franklin Roman-Rodriguez..... 5:15 PM, Westover

Presentation Title: How Does Mortality of Canopy-
 dominant Oaks Affect Greenhouse Gas Fluxes?
 Research Mentor: Duncan Menge
 Research Institution: Columbia University
 Home Institution: UPR-Mayaguez
 Co-Authors: Duncan Menge and Andrew Quebbeman,
 Columbia University
 ES

Carissa Romero.....12:30 PM, Glen II

Presentation Title: Neural Hypervigilance in Trauma-
 Exposed Women
 Research Mentor: Mariann Weierich
 Research Institution: Hunter College
 Home Institution: CSU Fullerton
 Co-Authors: Annie Yoon and Mariann Weierich,
 Hunter College
 AB

Kevin Rosales 4:00 PM, Cove II

Presentation Title: The Effects of Perceived Self-Efficacy
 and Statistical Anxiety on Working Memory:
 Implications for College Students in the STEM
 Fields
 Research Mentor: Andrew Conway
 Research Institution: Princeton University
 Home Institution: CSU San Bernardino
 Co-Authors: Andrew Conway, Princeton University
 SS

Carlos Rosas..... 3:00 PM, Cove II

Presentation Title: Communicating Through Tumblr:
Characterization of Tumblr Accounts Related to
Depression, Suicidal Thoughts, and Self-Harm
Research Mentor: Patricia Cavazos-Rehg
Research Institution: Washington University in St. Louis
Home Institution: CSU San Marcos
Co-Authors: Patricia Cavazos-Rehg, Melissa Krauss
and Meghana Bharadwaj, Washington University
in St. Louis

SS

Meredith Ross2:45 PM, Glen II

Presentation Title: Drosophila Melanogaster as a Low
Complexity Model for Human Myeloproliferative
Neoplasms
Research Mentor: Erika Bach
Research Institution: New York University
Sackler Institute
Home Institution: Vanderbilt University
Co-Authors: Abby Anderson and Erika Bach, New York
University Medical Center

BB

Michael Roundtree 3:00 PM, Long Ridge

Presentation Title: Exploration of the Hydrated Excess
Proton at Hydrophobic Interfaces via Reactive
Molecular Dynamics
Research Mentor: Gregory Voth
Research Institution: University of Chicago
Home Institution: Morehouse College
Co-Authors: Gregory A. Voth and Olaseni Sode,
University of Chicago

PS

Karina Ruiz-Esteves.....3:30 PM, Glen II

Presentation Title: Role of Differentially Methylated
Nuclear Receptors in Melanoma Progression
Research Mentor: Eva Hernando-Monge
Research Institution: New York University
Sackler Institute
Home Institution: UPR-Mayaguez
Co-Authors: Veronica Davalos-Vegas and Eva
Hernando-Monge, New York University
Medical Center

BB

Brandon Sampson 5:45 PM, Belltown

Presentation Title: The Development of the Internal
Colonialism Theory
Research Mentor: Jonathan Fenderson
Research Institution: Washington University in St. Louis
Home Institution: Saint Louis University
Co-Authors: Jonathan Fenderson, Washington
University in St. Louis

HU

Michael Samuelson-Ruiz..... 3:45 PM, Aspen II

Presentation Title: Male DNA qPCR Screen for Sexual
Assault Cases
Research Mentor: Yuexun Liu
Research Institution: New York University
Sackler Institute
Home Institution: University of Georgia
Co-Authors: Yuexun Liu, NYC Office of Chief
Medical Examiner

AB

Kathryn Sanchez..... 3:00 PM, Glen I

Presentation Title: Amyloid Beta Truncated Fragments:
Relevance for Alzheimer's Disease Pathogenesis
Research Mentor: Jorge Ghiso
Research Institution: New York University
Sackler Institute
Home Institution: New Mexico State University
Co-Authors: Jorge Ghiso, Agueda Rostagno and Erwin
Cabrera, New York University Medical Center

BB

Cecilia Sanders..... 4:45 PM, Westover

Presentation Title: Explaining the Noble Gas Content
of the Planets: Theoretical Models for Argon-
Trapping by Amorphous Ices in the Solar Nebula
Research Mentor: Fred Ciesla
Research Institution: University of Chicago
Home Institution: Harvard University
Co-Authors: Fred Ciesla, University of Chicago

ES

Quentin Sanders 5:15 PM, Aspen II

Presentation Title: Loss Aversion in Movement
Decision-making
Research Mentor: Alaa Ahmed
Research Institution: University of Colorado Boulder
Home Institution: University of Maryland,
Baltimore County
Co-Authors: Alaa Ahmed and Megan O'Brien,
University of Colorado at Boulder

AB

Hector Sandoval..... 5:15 PM, Glen III

Presentation Title: Investigating the Role of Vascular
Mineralocorticoid Receptors in Inflammation
and Atherosclerosis
Research Mentor: Iris Jaffe
Research Institution: Tufts University Graduate
BioMedical Sciences
Home Institution: Pasadena City College
Co-Authors: Katelee Barrett and Iris Jaffe, Tufts
University School of Graduate BioMedical Sciences

BB

Ceciley Scarbrough..... 4:00 PM, Glen III
 Presentation Title: Selecting Optimal Therapeutic Agents to Reduce the Severity of Pancreatitis
 Research Mentor: Frederick Gorelick
 Research Institution: Yale University
 Home Institution: Spelman College
 Co-Authors: Fred Gorelick and Christine Shugrue, Yale University
 AB

Tobias Schraink..... 3:45 PM, Alder
 Presentation Title: Kill The Messenger - Understanding RNase E mRNA Degradation
 Research Mentor: Joel Belasco
 Research Institution: New York University Sackler Institute
 Home Institution: Jacobs University Bremen
 Co-Authors: Joel Belasco and Monica Hui, New York University Medical Center
 BB

Gabriela Serrato Marks 5:00 PM, Westover
 Presentation Title: El Niño-Southern Oscillation Variability in the Eastern Equatorial Pacific During the Holocene and Last Glacial Maximum
 Research Mentor: Tom Marchitto
 Research Institution: University of Colorado Boulder
 Home Institution: Bowdoin College
 Co-Authors: Thomas Marchitto, University of Colorado at Boulder
 ES

Sarah Seto..... 5:45 PM, Glen III
 Presentation Title: Characterizing Fanconi Anemia Cell Lines
 Research Mentor: Weill Cornell Medical College
 Research Institution: Johns Hopkins University
 Co-Authors: Kimberly Rickman, Weill Cornell Medical College; Agata Smogorzewska, The Rockefeller University
 AB

Amber Simmons 12:15 PM, Elm I
 Presentation Title: PathoMap: A Comprehensive Microbiome Map of the New York City Subway System
 Research Mentor: Christopher Mason
 Research Institution: Weill Cornell Medical College
 Home Institution: Hampton University
 Co-Authors: Christopher Mason, Weill Cornell Medical College; Ebrahim Afshinnekoo, Queens College; Shanin Chowdhury, Hunter College
 AB

Christine Slaughter..... 4:45 PM, Belltown
 Presentation Title: Shaping the Political Self: College Environments and the Racialized Dynamics of Civic Engagement
 Research Mentor: Tali Mendelberg
 Research Institution: Princeton University
 Home Institution: Spelman College
 Co-Authors: Tali Mendelberg, Princeton University
 SS

Diandra Smith..... 3:45 PM, Aspen I
 Presentation Title: Temporal Expression of cAMP-Specific Phosphodiesterases Post-Spinal Cord Injury
 Research Mentor: Damien Pearse
 Research Institution: University of Miami
 Home Institution: Brooklyn College CUNY
 Co-Authors: Mazen Assi and Damien Pearse, University of Miami
 AB

Daniel Soto..... 3:00 PM, Glen II
 Presentation Title: Myc Stabilization Enhances Chemotherapy-Induced Cell Death in B-Cell Lymphomas
 Research Mentor: Andrei Thomas-Thikonenko
 Research Institution: University of Pennsylvania
 Home Institution: UPR-Rio Piedras
 Co-Authors: Elena Sotillo-Piñero, Children Hospital of Philadelphia; Andrei Thomas-Tikhonenko, University of Pennsylvania
 AB

Ayanna Spencer..... 5:45 PM, Cove II
 Presentation Title: Linguistic Violence and Rape Culture
 Research Mentor: Erin Kelly
 Research Institution: Tufts University
 Home Institution: Spelman College
 Co-Authors: Erin Kelly, Tufts University
 PE

Aris Springs..... 5:30 PM, Cove I
 Presentation Title: Health and Its Role in Incarceration and the Implications That It May Have on Recidivism
 Research Mentor: Emily Wang
 Research Institution: Yale University
 Home Institution: Chaminade University of Honolulu
 Co-Authors: Jenerius Aminawung and Emily A. Wang, Yale University
 SS

Khalifa Stafford..... 2:45 PM, Glen I

Presentation Title: Female Rat Hippocampal Opioid Receptors Following Stress and Oxycodone Exposure
 Research Mentor: Teresa Milner
 Research Institution: Weill Cornell Graduate School
 Home Institution: Hunter College
 Co-Authors: Teresa Milner, Weill Cornell Medical College and The Rockefeller University; Elizabeth Waters, The Rockefeller University; Tracey A. Van Kempen, Weill Cornell Graduate School of Medical Sciences

BB

Lyndsay Stapleton 5:00 PM, Alder

Presentation Title: Investigating the Response of Mammalian Cells in 3D Culture to Environmental Forces
 Research Mentor: Diane Hoffman-Kim
 Research Institution: Brown University
 Home Institution: University of New Mexico
 Co-Authors: Diane Hoffman-Kim, Brown University

AB

Phillip Stephens 3:00 PM, Elm I

Presentation Title: The Behavioral Effects of Genetic Background in CACNA1C +/- Mice
 Research Mentor: Abraham Palmer
 Research Institution: University of Chicago
 Home Institution: Morehouse College
 Co-Authors: Abraham Palmer and Laura Sittig, University of Chicago

BB

Erica Sterling..... 5:30 PM, Waterside

Presentation Title: A Better Chance for Brown: The Integration of Private Education, 1963-1984
 Research Mentor: Nikhil Pal Singh
 Research Institution: New York University
 Home Institution: Emory University
 Co-Authors: Nikhil Pal Singh, New York University - Arts & Sciences

HU

Bethzaida Suarez..... 11:45 AM, Aspen I

Presentation Title: Investigating the Role of GPR133 in Glioblastoma Stem Cells
 Research Mentor: Dimitris Placantonakis
 Research Institution: New York University Sackler Institute
 Home Institution: UPR-Rio Piedras
 Co-Authors: Nermin S. Bayin and Dimitris G. Placantonakis, New York University Medical Center

BB

Pooja Suresh 4:00 PM, Westover

Presentation Title: The Effect of Rotational Position of DNA in Nucleosome on the Deamination Rate of T=mC Cyclobutane Pyrimidine Dimer (CPD) Photoproduct
 Research Mentor: Jay Ponder
 Research Institution: Washington University in St. Louis
 Home Institution: University of Rochester
 Co-Authors: Jay Ponder and John Taylor, Washington University in St. Louis

PS

Steve Susanibar 4:00 PM, Glenbrook

Presentation Title: Synthesis and Characterization of High-Temperature Cuprate Superconductors for Investigation of Nematicity
 Research Mentor: Ian Fisher
 Research Institution: Stanford University
 Home Institution: New Jersey Institute of Technology
 Co-Authors: Ian Fisher and Jiun-Haw Chu, Stanford University School of Humanities & Sciences

PS

D'Ondre Swails..... 3:00 PM, Waterside

Presentation Title: The Phenomenology of Rap: Investigating Themes of Existence and Negritude in Contemporary Hip-Hop Music
 Research Mentor: Imani Perry
 Research Institution: Princeton University
 Home Institution: Morehouse College
 Co-Authors: Imani Perry, Princeton University

HU

Joshua Taliaferro..... 5:15 PM, Alder

Presentation Title: Computational Analysis of the Effect of Thrombus Structure on Plasma Permeation En Vivo
 Research Mentor: Lawrence Brass
 Research Institution: University of Pennsylvania
 Home Institution: Princeton University
 Co-Authors: Lawrence Brass and John Welsh, University of Pennsylvania

AB

Nicole Tavernier..... 4:00 PM, Aspen II

Presentation Title: Recruitment of PALB2 to DNA by Human RPA
 Research Mentor: James Borowiec
 Research Institution: New York University Sackler Institute
 Home Institution: Rutgers University
 Co-Authors: James Borowiec, New York University Medical Center

BB

Brandi Temple..... 12:15 PM, Aspen II

Presentation Title: Preclinical Studies Using Bioactive Compounds to Develop Novel Chemoprevention Strategies for Breast Cancer
 Research Mentor: Dipali Sharma
 Research Institution: Johns Hopkins University
 Home Institution: Xavier University of Louisiana
 Co-Authors: Dipali Sharma, Aru Nagalingam and Yaileen Arocho, Johns Hopkins University
 BB

Ephrath Tesfaye.....3:00 PM, Elm II

Presentation Title: Generating an shRNA Knockdown System to Target Epigenetic Modifiers
 Research Mentor: Matthias Stadtfeld
 Research Institution: New York University Sackler Institute
 Home Institution: Cornell University
 Co-Authors: Matthias Stadtfeld and Emily Swanzey, New York University Medical Center
 BB

Mikiko Thelwell5:30 PM, Elm II

Presentation Title: Sex Differences in the Effects of Methamphetamine on Memory
 Research Mentor: Shirzad Jenab
 Research Institution: Hunter College
 Home Institution: Barnard College
 Co-Authors: Shirzad Jenab, Vanya Quinones-Jenab and Anthony Klambatsen, Hunter College
 SS

Alanah Torre4:00 PM, Waterside

Presentation Title: Constructing and Deconstructing Stereotype: Minority Representation in Film and Media
 Research Mentor: Annamaria Pileggi
 Research Institution: Washington University in St. Louis
 Home Institution: Chaminade University of Honolulu
 Co-Authors: Annamaria Pileggi, Washington University in St. Louis
 HU

Milton Torres Cabán..... 11:45 AM, Elm II

Presentation Title: Using Endoproteinasases Asp-N and Lys-C to Improve the Mass Spectrometry-based Coverage of Palmitoylated Cysteine Residues
 Research Mentor: Harry Ischiropoulos
 Research Institution: University of Pennsylvania
 Home Institution: UPR-Aguadilla
 Co-Authors: Harry Ischiropoulos, University of Pennsylvania; Neal Gould, Children's Hospital of Philadelphia
 BB

Dorothy Tovar 3:15 PM, Alder

Presentation Title: Investigating Macrophage Cell Death in Response to Bacterial Pathogens
 Research Mentor: Igor Brodsky
 Research Institution: University of Pennsylvania
 Home Institution: UMass Amherst
 Co-Authors: Igor Brodsky, Erin Zwack and Naomi Phillip, University of Pennsylvania
 AB

Savannah Turner2:45 PM, Springdale II

Presentation Title: Digital Citizenship: Technological Advances and Social Capital in Black America
 Research Mentor: Evelyn Hammonds
 Research Institution: Harvard University
 Home Institution: Wesleyan University
 Co-Authors: Evelyn Hammonds, Harvard University
 SS

Tia Tyndal 2:45 PM, Cove II

Presentation Title: Positive Associations with Death/Suicide as Predictors of Suicidal Thoughts and Behaviors
 Research Mentor: Matthew Nock
 Research Institution: Harvard University
 Home Institution: Florida International University
 Co-Authors: Julia Harris, Joe Franklin and Matthew Nock, Harvard University
 SS

Tayler Ulmer 3:15 PM, Springdale I

Presentation Title: A Black Helping Hand: The Impact of Nationality on Black American Volunteer Tourists
 Research Mentor: Orlando Patterson
 Research Institution: Harvard University
 Home Institution: Spelman College
 Co-Authors: Orlando Patterson, Harvard University
 SS

Tania Uruchima5:00 PM, Waterside

Presentation Title: Examining the Impacts of School Transition on the Academic Experiences of Juvenile Justice-Involved Youth
 Research Mentor: Carla Shedd
 Research Institution: Columbia University
 Home Institution: Swarthmore College
 Co-Authors: Carla Shedd and Brittany Fox, Columbia University
 SS

Juan Vargas..... 3:15 PM, Glen I
Presentation Title: Genetic and Environmental Factors
Affect the Differentiation of Cortical Interneurons
Research Mentor: Xavier Jaglin
Research Institution: New York University Sackler
Institute
Home Institution: Baylor University
Co-Authors: Xavier Jaglin, Brie Wamsley and Gordon
Fishell, New York University Medical Center
BB

Omayra Vargas-Morales..... 4:45 PM, Alder
Presentation Title: Nanoparticles Hitchhiking Effect on
Murine Red Blood Cells
Research Mentor: Vladimir Muzykantov
Research Institution: University of Pennsylvania
Home Institution: UPR-Mayaguez
Co-Authors: Daniel Pan and Vladimir Muzykantov,
University of Pennsylvania
AB

Angelis Vazquez..... 5:15 PM, Glen I
Presentation Title: Stimulation of the Innate Immune
System by CpG as a Method for Ameliorating
Alzheimer's Disease Pathology in a Non-Human
Primate Model
Research Mentor: Thomas Wisniewski
Research Institution: New York University
Sackler Institute
Home Institution: UPR-Rio Piedras
Co-Authors: Thomas Wisniewski and Henrieta
Scholtzova, New York University Medical Center
BB

Ariana Vera 4:45 PM, Waterside
Presentation Title: Giving Faces to the Nameless:
Forensic Art as Science
Research Mentor: Alan Mann
Research Institution: Princeton University
Home Institution: Princeton University
Co-Authors: Alan Mann, Princeton University
SS

Eduardo Villegas..... 5:15 PM, Aspen I
Presentation Title: Role of Chrn4 in Nicotine Intake
Research Mentor: Jerry Stitzel
Research Institution: University of Colorado Boulder
Home Institution: University of Arizona
Co-Authors: Vivian Nguyen and Jerry A. Stitzel,
University of Colorado at Boulder
BB

Cristian Virrueta..... 4:45 PM, Glenbrook
Presentation Title: Quantitative Demonstration of
Capillary Movement Through Porous Media
Research Mentor: Harihar Rajaram
Research Institution: University of Colorado Boulder
Home Institution: UC San Diego
Co-Authors: Harihar Rajaram, University of Colorado
at Boulder
ES

Samantha Walker..... 3:30 PM, High Ridge
Presentation Title: Optics for the BICEP3 and
SPT3G Telescopes
Research Mentor: Chao-Lin Kuo
Research Institution: Stanford University
Home Institution: Fordham University
Co-Authors: Chao-Lin Kuo, Keith L. Thompson and
Ki Won Yoon, Stanford University School of
Humanities & Sciences
PS

Allison Wallace 5:30 PM, Springdale I
Presentation Title: Bodies, Borders, and Self-Fashioning:
Navigating La Familia in Arturo Islas' The Rain
God and Migrant Souls
Research Mentor: Rachel Adams
Research Institution: Columbia University
Home Institution: UC Berkeley
Co-Authors: Rachel Adams and Nijah Cunningham,
Columbia University
HU

Amanda Ward 12:00 PM, Glen I
Presentation Title: Variable Length of HIV Envelope V2
domain Affects Antibody Neutralization
Research Mentor: Catarina Hioe
Research Institution: New York University
Sackler Institute
Home Institution: University of Maryland, College Park
Co-Authors: Chitra Upadhyay and Catarina Hioe, New
York University Medical Center
BB

Brianna White..... 3:15 PM, Cove I
Presentation Title: Wealthy College Institutions as
Political Game-Changers: Which Students Become
Politically Active?
Research Mentor: Tali Mendelberg
Research Institution: Princeton University
Home Institution: Wellesley College
Co-Authors: Tali Mendelberg, Princeton University
SS

Azmar Williams 5:15 PM, Belltown

Presentation Title: Black History in the Nadir:
Contributionism's Impact on African-American
Historiography and Historical Memory in the
20th Century
Research Mentor: Tera Hunter
Research Institution: Princeton University
Home Institution: Yale University
Co-Authors: Tera Hunter, Princeton University
HU

LaQueena Williams 3:15 PM, Glen III

Presentation Title: Islet-1 is Required for Maintaining
Insulin Levels in Mature Pancreatic Beta-cells
Research Mentor: Doris Stoffers
Research Institution: University of Pennsylvania
Home Institution: Claflin University
Co-Authors: Benjamin Ediger, Catherine Lee May and
Doris Stoffers, University of Pennsylvania
BB

Jolie Wilson12:00 PM, Aspen I

Presentation Title: Sexual Dimorphism in
Hematopoietic Stem Cell Differentiation
Research Mentor: Jennifer Punt
Research Institution: Columbia University
Home Institution: Princeton University
Co-Authors: Jennifer Punt, Columbia University
BB

Alyssa Zannella 5:00 PM, Springdale I

Presentation Title: Proslavery Literature
Research Mentor: Gavin Jones
Research Institution: Stanford University
Home Institution: Providence College
Co-Authors: Gavin Jones, Stanford University School of
Humanities & Sciences
HU

Poster Presentations by Name

Matthew Aber, 31 8:45-9:45 AM

Presentation Title: Genetic Screen for Regulators of
Proteasome Inhibitor Detoxification
Research Mentor: Nicholas Lehrbach
Research Institution: Harvard University, Division of
Medical Sciences
Home Institution: UC Berkeley
Co-Authors: Nicholas Lehrbach and Gary Ruvkun,
Harvard Medical School and Massachusetts
General Hospital

Olubukola Abiona, 123..... 8:45-9:45 AM

Presentation Title: Postjunctional Muscarinic
M2 Receptors Regulate Airway Smooth
Muscle Contractions
Research Mentor: Brendan Canning
Research Institution: Johns Hopkins University
Home Institution: University of Maryland,
Baltimore County
Co-Authors: Brendan Canning and Qi Liu, Johns
Hopkins University

Gifty Addae, 32 9:45-10:45 AM

Presentation Title: Identification of New Treatment
Strategies for Medulloblastoma
Research Mentor: Rosalind Segal
Research Institution: Harvard University, Division
of Medical Sciences
Home Institution: UMass Boston
Co-Authors: Rosalind Segal, Harvard Medical School
and Dana Farber Cancer Institute; Ekaterina Pak,
Harvard University and PhD Program in Biological
and Biomedical Sciences

Katelyn Ahern, 33 8:45-9:45 AM

Presentation Title: Mutational Optimization of
Truncated Gaussia Luciferase
Research Mentor: Emre Dikici
Research Institution: University of Miami
Home Institution: Auburn University
Co-Authors: Sylvia Daunert, Sapna Deo, Eric Hunt and
Emre Dikici, University of Miami

Mona Ahmed, 34 9:45-10:45 AM

Presentation Title: Expression Pattern of a Novel
Mediator of R-spondin/Beta-catenin Signaling in
the Mouse Intestine
Research Mentor: Xi He
Research Institution: Harvard University, Division of
Medical Sciences
Home Institution: University of New Mexico
Co-Authors: Yannik Regimbald-Dumas and Xi He,
Children's Hospital and Harvard Medical School

Cynthia Alarcon, 100..... 9:45-10:45 AM

Presentation Title: Making Words Difficult to Read
Enhances Memory
Research Mentor: Henry Roediger
Research Institution: Washington University in St. Louis
Home Institution: CSU Los Angeles
Co-Authors: Victor Sungkhasettee and Henry Roediger,
Washington University in St. Louis

Anna Almario, 1 8:45-9:45 AM

Presentation Title: Genetic Interactions of Histone
H2AX with PARP-1 and PARP-2 in DNA Damage
Response: Implications for Cancer Therapy
Research Mentor: Sonia Franco
Research Institution: Johns Hopkins University
Home Institution: UC Riverside
Co-Authors: Sonia Franco and Rajib Ghosh, Johns
Hopkins University

Ronald Anderson, 101 8:45-9:45 AM

Presentation Title: "Are You Talking to Me?" Directed
and Observed Speech and Word Learning Across
Cultures of Infancy
Research Mentor: Amanda Woodward
Research Institution: University of Chicago
Home Institution: Stanford University
Co-Authors: Laura Shneidman and Amanda
Woodward, University of Chicago

Diana Aponte, 2 9:45-10:45 AM

Presentation Title: Retinoids Modulate Vascular
Calcification
Research Mentor: Jorge Plutzky
Research Institution: Harvard University, Division
of Medical Sciences
Home Institution: UPR-Rio Piedras
Co-Authors: Shriram Nallamshetty, Hong Wang
and Jorge Plutzky, Harvard Medical School and
Brigham and Women's Hospital

Eduardo Aponte, 35..... 8:45-9:45 AM

Presentation Title: Development of a Selection Marker
For Automated Genome Construction
Research Mentor: George Church
Research Institution: Harvard University, Division
of Medical Sciences
Home Institution: Polytechnic University-Brooklyn
Co-Authors: George M. Church and Julie E. Norville,
Harvard Medical School

Safiat Ayinde, 3 8:45-9:45 AM

Presentation Title: Small Molecule-Protein Conjugate
for Cancer Immunotherapy
Research Mentor: Philip Cole
Research Institution: Johns Hopkins University
Home Institution: Iona College
Co-Authors: Philip Cole and Robert Hsiao, Johns
Hopkins University

Leena Babiker, 4..... 9:45-10:45 AM

Presentation Title: Does Microchimerism Protect
Against Asthma?
Research Mentor: Carole Ober
Research Institution: University of Chicago
Home Institution: Michigan State University
Co-Authors: Carole Ober and Emma Thompson,
University of Chicago

Stefanie Balbuca, 5..... 8:45-9:45 AM

Presentation Title: The Effects of Alcohol and
Nitrosamine Exposure in White Matter Neural
Degeneration
Research Mentor: Suzanne DeLaMonte
Research Institution: Brown University
Home Institution: Hunter College
Co-Authors: Suzanne DeLaMonte, Brown University

Erick Bayala, 36..... 9:45-10:45 AM

Presentation Title: Characterizing a New Embryonic
Axis Determinant in the Mosquito Model
Chironomus riparius
Research Mentor: Urs Schmidt-Ott
Research Institution: University of Chicago
Home Institution: UPR-Humacao
Co-Authors: Urs Schmidt-Ott and Carlos Martínez,
University of Chicago

Kaisha Benjamin, 6..... 9:45-10:45 AM

Presentation Title: Redirecting Intestinal Stem Cell Fate
Using Small Molecules
Research Mentor: Elizabeth Wiellette
Research Institution: Novartis Institutes for
BioMedical Research
Co-Authors: Sina Mohammadi and Elizabeth Wiellette,
Novartis Institutes for Biomedical Research

Emanuel Bernardi Rivera, 7 8:45-9:45 AM

Presentation Title: The Role of Heterochromatin in
Ran Gradient Disruption in Hutchinson-Gilford
Progeria Syndrome (HGPS)
Research Mentor: Mandovi Chatterjee
Research Institution: University of Virginia School of
Medicine
Home Institution: UPR-Cayey
Co-Authors: Bryce Paschal and Mandovi Chatterjee,
University of Virginia - BioMedical Sciences

Beena Biju, 37..... 8:45-9:45 AM

Presentation Title: Pharmacological Control of Yes-
associated Protein Signaling in Endothelial Cells
Research Mentor: Guillermo Garcia-Cardena
Research Institution: Harvard University, Division
of Medical Sciences
Home Institution: Hofstra University
Co-Authors: Guillermo Garcia-Cardena, Harvard
Medical School and Brigham and Women's
Hospital; Pauline de Jong, Harvard University;
Hiroshi Kohara, Harvard Medical School and
Brigham and Women's Hospital

Bradley Blackshire, 38 9:45-10:45 AM

Presentation Title: Identification of SID-1-Associated Genes
Research Mentor: Eddie Wang
Research Institution: Harvard University
Home Institution: University of La Verne
Co-Authors: Craig Hunter and Eddie Wang,
Harvard University

Jamar Borland, 39 8:45-9:45 AM

Presentation Title: Characterization of C9orf72
Interacting Proteins by Confocal Microscopy
Research Mentor: Jiou Wang
Research Institution: Johns Hopkins University
Home Institution: University of Central Florida
Co-Authors: Jiou Wang and Janet Ugolino, Johns
Hopkins University

Emilie Bouda, 8..... 9:45-10:45 AM

Presentation Title: Role of Ano1 in Endothelial Cell Apoptosis
 Research Mentor: Gaurav Choudhary
 Research Institution: Brown University
 Home Institution: Hunter College
 Co-Authors: Gaurav Choudhary and Ayed Allawzi, Brown University

Janine Brandt, 124 8:45-9:45 AM

Presentation Title: Investigating the Relationship Between SrbA and an Uncharacterized Protease in *Aspergillus fumigatus*
 Research Mentor: Sarah Beattie
 Research Institution: Dartmouth College
 Home Institution: Pennsylvania State University
 Co-Authors: Robert Cramer and Sarah Beattie, Dartmouth College

Ann Brasacchio, 85 8:45-9:45 AM

Presentation Title: Functionalization of Reduced Graphene Oxide via Crosslinking Agents
 Research Mentor: Robert Hurt
 Research Institution: Brown University
 Home Institution: Wheaton College
 Co-Authors: Robert Hurt, Tayhas Palmore and Zhongying Wang, Brown University

Patrick Bruck, 40..... 9:45-10:45 AM

Presentation Title: Investigating the M of Sterile 6 Export in the Yeast *Saccharomyces cerevisiae*
 Research Mentor: Rachelle Gaudet
 Research Institution: Harvard University
 Home Institution: Creighton University
 Co-Authors: Sriram Srikant and Rachelle Gaudet, Harvard University

Jose Carrillo, 79..... 8:45-9:45 AM

Presentation Title: Low Cost Instrumentation for Electrochemical Sensor Arrays
 Research Mentor: Sameer Sonkusale
 Research Institution: Tufts University
 Home Institution: California State Polytechnic University
 Co-Authors: Sameer Sonkusale, Meera Punjiya and Pooria Mostafalu, Tufts University

Carlos Carrion, 9 8:45-9:45 AM

Presentation Title: Microfluidics Cell Culture of Human Nephron Segments for the Analysis of Natriuresis Process Regulated by Dopamine: A Pilot Study for the Treatment of Hypertension
 Research Mentor: Robin Felder
 Research Institution: University of Virginia School of Medicine
 Home Institution: UPR-Cayey
 Co-Authors: John Gildea, Robin Felder and Dora Bigler Wang, University of Virginia School of Medicine

Alani Casey, 125..... 8:45-9:45 AM

Presentation Title: Investigating Iron Uptake in Various Arabidopsis Mutants
 Research Mentor: Mary Lou Guerinot
 Research Institution: Dartmouth College
 Home Institution: North Carolina Central University
 Co-Authors: Alicia Sivitz and Mary Lou Guerinot, Dartmouth College

Justina Caushi, 10 9:45-10:45 AM

Presentation Title: Understanding the Role of Clonal Heterogeneity in Drug Resistance
 Research Mentor: Hyo-eun Bhang
 Research Institution: Novartis Institutes for BioMedical Research
 Co-Authors: Hyo-eun Bhang, Novartis Institutes for Biomedical Research

Teddie Chambers, 102 9:45-10:45 AM

Presentation Title: Young Mothers' Educational Attainment as a Predictor of Children's Executive Functioning and School Readiness
 Research Mentor: Jana Chaudhuri
 Research Institution: Tufts University
 Home Institution: Kenyon College
 Co-Authors: Jana Chaudhuri and Ann Easterbrooks, Tufts University

Bianka Charity, 103 8:45-9:45 AM

Presentation Title: Who Do I Turn To? Examining Family Structure and Youths Relationships with Non-Parental Adults
 Research Mentor: Nancy Deutsch
 Research Institution: University of Virginia School of Education
 Home Institution: Spelman College
 Co-Authors: Shannon Varga and Nancy Deutsch, University of Virginia School of Education

Alex Chen, 42 9:45-10:45 AM

Presentation Title: Identifying Effects of Optogenetically Activating Dopamine Neurons on Acute Alcohol-induced Behaviors in *Drosophila melanogaster*
 Research Mentor: Karla Kaun
 Research Institution: Brown University
 Home Institution: New York University
 Co-Authors: Reza Azanchi and Karla Kaun, Brown University

Hannah Cheriyan, 43..... 8:45-9:45 AM

Presentation Title: Characterizing p53-dependant Modulators of Cell Viability
 Research Mentor: William Hahn
 Research Institution: Harvard University, Division of Medical Sciences
 Home Institution: University of Michigan-Ann Arbor
 Co-Authors: William Hahn, Harvard Medical School and Dana Farber Cancer Institute; Andrew Giacomelli, Harvard University and Harvard Medical School

Keya Chilka, 104 9:45-10:45 AM

Presentation Title: Boosting girls' body satisfaction: Impact of the Young Women Leaders Program
 Research Mentor: Nancy Deutsch
 Research Institution: University of Virginia School of Education
 Home Institution: Mount Holyoke College
 Co-Authors: Nancy Deutsch, Lora Henderson and Molly Davis, University of Virginia School of Education

Kellie Choy, 105 8:45-9:45 AM

Presentation Title: Study Habits and Academic Mentors: Predicting GPA through Informational Support
 Research Mentor: Noelle Hurd
 Research Institution: University of Virginia School of Education
 Home Institution: Pennsylvania State University
 Co-Authors: Emily Loeb and Noelle Hurd, University of Virginia School of Education

Angelo Christophe, 44..... 9:45-10:45 AM

Presentation Title: The Evolution of Adaptive Coat Color Patterns in Deer Mice
 Research Mentor: Ricardo Mallarino
 Research Institution: Harvard University
 Home Institution: UMass Boston
 Co-Authors: Ricardo Mallarino and Hopi E. Hoekstra, Harvard University

Irena Cich, 80 9:45-10:45 AM

Presentation Title: Differentiation of C-kit-positive Cells
 Research Mentor: Lauren Black
 Research Institution: Tufts University
 Home Institution: University of Minnesota-Twin Cities
 Co-Authors: Lauren Black, Tufts University

Monica Cisneros, 45 8:45-9:45 AM

Presentation Title: Identification of Genes enriched in TAAR-expressing Olfactory Sensory Neurons by In situ
 Research Mentor: Stephen Liberles
 Research Institution: Harvard University, Division of Medical Sciences
 Home Institution: University of Texas at Austin
 Co-Authors: Stephen Liberles and Qian Li, Harvard Medical School

Taelor Clay, 106..... 9:45-10:45 AM

Presentation Title: Boosting Motivation and Performance in Developmental Math: A Utility Value Intervention at a Two-year College
 Research Mentor: Christopher Hulleman
 Research Institution: University of Virginia School of Education
 Home Institution: Morgan State University
 Co-Authors: Jeffrey Kosovich and Christopher Hulleman, University of Virginia School of Education

DeMarcus Crews, 86..... 9:45-10:45 AM

Presentation Title: Functional Group Pairing Using Enantiopure Amino Alcohols: Construction of Chiral Scaffolds for Development of Three-dimensional Molecular Libraries
 Research Mentor: Stuart Schreiber
 Research Institution: Harvard University
 Home Institution: Morehouse College
 Co-Authors: Zarko V. Boskovic, Shawn D. Nelson Jr. and Stuart L. Schreiber, Harvard University

Sami Davies, 87 8:45-9:45 AM

Presentation Title: On Globally Defined Solutions of the Generalized Constantin-Lax-Majda Equation
 Research Mentor: Johnny Guzman
 Research Institution: Brown University
 Home Institution: Carnegie Mellon University
 Co-Authors: Gopal Yalla, Ian Alevy and Johnny Guzman, Brown University

Donald Davis, 11..... 8:45-9:45 AM

Presentation Title: The Effect of Flavonoids on
Ex-vivo Production of Pro Inflammatory and Pro
Repair Cytokines by Wound Macrophages from
C57BL/6J Mice
Research Mentor: Jorge Albina
Research Institution: Brown University
Home Institution: Tougaloo College
Co-Authors: Meredith Crane, Brown University/Rhode
Island Hospital; Bill Henry, Rhode Island Hospital;
Jorge Albina, Brown University/Rhode Island
Hospital

Bianca Demara, 47..... 8:45-9:45 AM

Presentation Title: The Role of Palmitoylation and
Ubiquitination in BACE1 Degredation
Research Mentor: Gopal Thinakaran
Research Institution: University of Chicago
Home Institution: University of Arizona
Co-Authors: Gopal Thinakaran and Celia Fernandez,
University of Chicago

Keneisha Donaldson, 74..... 9:45-10:45 AM

Presentation Title: The Prisoner's Dilemma of Free
Riding on Carbon Reduction
Research Mentor: Phillip Hannam
Research Institution: Princeton University
Co-Authors: Phillip Hannam and Dr. Simon Levin,
Princeton University

Simone Douglas, 12..... 9:45-10:45 AM

Presentation Title: Versatile Nanopieces For Nucleic
Acid Delivery
Research Mentor: Quian Chen
Research Institution: Brown University
Home Institution: University of Miami
Co-Authors: Yupeng Chen, Hongchuan Yu and Quian
Chen, Brown University

Xavier du Maine, 48..... 9:45-10:45 AM

Presentation Title: Molecular Mechanism of Behavioral
Persistence in *Drosophila Melanogaster*
Research Mentor: Dragana Rogulja
Research Institution: Harvard University, Division
of Medical Sciences
Home Institution: Columbia University
Co-Authors: Stephen Zhang, Harvard University and
Harvard Medical School, Program in Neuroscience;
Michael Crickmore and Dragana Rogulja, Harvard
Medical School

Josiah Durtka, 81 8:45-9:45 AM

Presentation Title: Validating Measurements and
Numerical Simulations of a Cross-Flow Turbine
Research Mentor: Erick Johnson
Research Institution: Montana State University
-Bozeman
Home Institution: Blackfeet Community College
Co-Authors: Erick Johnson, Aubrie Golden and Garrett
Peebles, Montana State University

Stephanie Erjavec, 49..... 8:45-9:45 AM

Presentation Title: The Effect of Klf2 on CD8+ vs.
CD4+ T Cell Migration
Research Mentor: Eric Sebzda
Research Institution: Vanderbilt University
Home Institution: UC Santa Barbara
Co-Authors: Eric Sebzda, Whitney Rabacal and
Sudheer Pabbisetty, Vanderbilt University

Isaac Failing, 50..... 9:45-10:45 AM

Presentation Title: Understanding the Synergistic Effect
Between Multiple Antibiotics Against *Escherichia coli*
Research Mentor: Ed Dratz
Research Institution: Montana State University
-Bozeman
Home Institution: Fort Belknap College
Co-Authors: Ed Dratz, Alan Weaver and Daniel
Willems, Montana State University

Jesus Fandino, 51 8:45-9:45 AM

Presentation Title: Mitochondrial Regulation in
Diastolic Dysfunction
Research Mentor: Samuel Dudley
Research Institution: Brown University
Home Institution: CSU Northridge
Co-Authors: Euy-Myoung Jeong and Samuel Dudley,
Brown University

Andrew Feigley, 128..... 8:45-9:45 AM

Presentation Title: Kinetics of Integrin $\alpha 1$ Id in the
Presence of Mg^{2+} and Ca^{2+} Ions
Research Mentor: Kyle Brown
Research Institution: Vanderbilt University
Home Institution: York College of Pennsylvania
Co-Authors: Kyle Brown and Billy Hudson,
Vanderbilt University

Rosio Fernandez, 52 9:45-10:45 AM

Presentation Title: Investigation of Roles for Cellular Factors in Human Cytomegalovirus Nuclear Egress
 Research Mentor: Mayuri Sharma
 Research Institution: Harvard University, Division of Medical Sciences
 Home Institution: Brooklyn College CUNY
 Co-Authors: Mayuri Sharma and Donald Coen, Harvard Medical School

Katherine Finnigan, 107 8:45-9:45 AM

Presentation Title: The Relationship Between Military Service and Personality in Vietnam-era Adults
 Research Mentor: Thomas Oltmanns
 Research Institution: Washington University in St. Louis
 Home Institution: Kenyon College
 Co-Authors: Thomas F. Oltmanns and Joshua J. Jackson, Washington University in St. Louis

Marcus Florez, 53 8:45-9:45 AM

Presentation Title: Investigation of an Alternative Cell Death Pathway: Dark Cell Death
 Research Mentor: Junying Yuan
 Research Institution: Harvard University, Division of Medical Sciences
 Home Institution: University of Kansas
 Co-Authors: Palak Amin, Harvard University and Harvard Medical School; Junying Yuan, Harvard Medical School

Allen Garcia, 82 9:45-10:45 AM

Presentation Title: Determination of the Relationship Between Signal From Bioluminescence Cartilage in Mice to the Degree of Osteoarthritis
 Research Mentor: Ron June
 Research Institution: Montana State University -Bozeman
 Co-Authors: Ron June and Sarah Mailhot, Montana State University

Jasmine Geathers, 54 9:45-10:45 AM

Presentation Title: How the Hydrophobic and Hydrophilic Regions of Poloxamers Influence Cell Adhesion
 Research Mentor: Celeste Nelson
 Research Institution: Princeton University
 Home Institution: Xavier University of Louisiana
 Co-Authors: Celeste Nelson, Princeton University

Alejandra Gil, 108 9:45-10:45 AM

Presentation Title: The Impact of Race and Status on Implicit Attitudes and Person Perception
 Research Mentor: Jasmin Cloutier
 Research Institution: University of Chicago
 Home Institution: Middlebury College
 Co-Authors: Jasmin Cloutier and Tianyi Li, University of Chicago

Amaris Gilchrease, 13 8:45-9:45 AM

Presentation Title: Effects of TGF-Beta1 Signaling Imbalance on Rat Lung Microvascular Endothelial Cells Apoptosis and Proliferation
 Research Mentor: Qing Lu
 Research Institution: Brown University
 Home Institution: Claflin University
 Co-Authors: Diana Borgas and Qing Lu, Brown University

Jessica Gonzalez, 55 8:45-9:45 AM

Presentation Title: Alterations to Histone Marks Changes Spatial and Temporal Chromatin Patterning in Early Embryogenesis
 Research Mentor: Susan Mango
 Research Institution: Harvard University
 Home Institution: University of Miami
 Co-Authors: Susan Mango and Jennifer Liang, Harvard University

Arman Green, 88 9:45-10:45 AM

Presentation Title: Analysis of the Discrete Maximum Principle for the Finite Element Method
 Research Mentor: Johnny Guzman
 Research Institution: Brown University
 Home Institution: Morehouse College
 Co-Authors: Cassidy Krause, Johnny Guzman and Manuel Sanchez Uribe, Brown University

Jacqueline Harris, 56 9:45-10:45 AM

Presentation Title: The Effect of a Direct Current Electric Field on Synovium-Derived Stem Cell Motility: CD73 and Adenosine Receptors
 Research Mentor: Chloë Bulinski
 Research Institution: Columbia University
 Home Institution: Williams College
 Co-Authors: J. Chloë Bulinski, Erin Falk and Patrik Kast, Columbia University

Oyindayo Hassan, 57 8:45-9:45 AM

Presentation Title: The Effects of the Overexpression of the CZF Transgene on the Process of Spermatogenesis in Male Mice
 Research Mentor: Prabhakara Reddi
 Research Institution: University of Virginia School of Medicine
 Home Institution: Xavier University of Louisiana
 Co-Authors: Prabhakara Reddi, University of Virginia School of Medicine

Ayana Henderson, 109..... 8:45-9:45 AM

Presentation Title: Effects of Obesity on Microglial Morphology in a Brain Region Associated with Anxiety Regulation
 Research Mentor: Elizabeth Gould
 Research Institution: Princeton University
 Home Institution: University of Maryland, Baltimore County
 Co-Authors: Elise Cope, Lyra Olson and Elizabeth Gould, Princeton University

Katuska Hernandez, 58 9:45-10:45 AM

Presentation Title: Monitoring Toxicant Effects on Beta-tubulin Microtubule Progression During Spermatogenesis in GFP-tagged Drosophila melanogaster
 Research Mentor: Kim Boekelheide
 Research Institution: Brown University
 Home Institution: College of Mount Saint Vincent
 Co-Authors: Janet Rollins, College of Mount Saint Vincent; Kim Boekelheide, Brown University

Tatiana Hill, 110..... 9:45-10:45 AM

Presentation Title: How Does Object Knowledge Influence Visual Memory?
 Research Mentor: George Alvarez
 Research Institution: Harvard University
 Home Institution: Amherst College
 Co-Authors: Bria Long and George Alvarez, Harvard University

Elvina Hogan, 126..... 8:45-9:45 AM

Presentation Title: West Nile Virus
 Research Mentor: Neva Tall Bear
 Research Institution: Montana State University -Bozeman
 Home Institution: Little Big Horn College
 Co-Authors: Neva Tall Bear, Montana State University

Dajashinair Howard, 89 8:45-9:45 AM

Presentation Title: Construct Artificial Enzyme Towards Selective C-H Oxygenation
 Research Mentor: Jared Lewis
 Research Institution: University of Chicago
 Home Institution: Michigan State University
 Co-Authors: Jared Lewis and Chen Zhang, University of Chicago

April Huerta, 129 8:45-9:45 AM

Presentation Title: West Nile Virus project
 Research Mentor: Neva Tall Bear
 Research Institution: Montana State University -Bozeman
 Home Institution: Little Big Horn College
 Co-Authors: Neva Tall Bear, Montana State University

Allison Ibarra, 59 8:45-9:45 AM

Presentation Title: A Role for Podosomes in Asymmetric Heart Development
 Research Mentor: Rebecca Burdine
 Research Institution: Princeton University
 Home Institution: UC Riverside
 Co-Authors: Jessica Williams and Rebecca Burdine, Princeton University

Emma Carine Iradukunda, 41 8:45-9:45 AM

Presentation Title: Role of BAD on ChREBP Glucose Dependent ChREBP Activation
 Research Mentor: Nika Danial
 Research Institution: Harvard University, Division of Medical Sciences
 Home Institution: Spelman College
 Co-Authors: Nika Danial, Harvard Medical School and Dana Farber Cancer Institute; Elizabeth Lane, Dana Farber Cancer Institute

Kwame Jackson, 90 9:45-10:45 AM

Presentation Title: Gradual Extinction Immunizes the Extinction of Cue-fear Associations to Relapse
 Research Mentor: Rebecca Burwell
 Research Institution: Brown University
 Home Institution: Xavier University of Louisiana
 Co-Authors: Rebecca Burwell, Devon Poeta and Krishan Aghi, Brown University

Francesca Jimenez, 95..... 8:45-9:45 AM

Presentation Title: Disillusioned Pop Fame with Nico and Andy: The Delayed Success and Influence of The Velvet Underground
 Research Mentor: Travis Jackson
 Research Institution: University of Chicago
 Home Institution: Scripps College
 Co-Authors: Travis Jackson, University of Chicago

Keena Jones, 111 8:45-9:45 AM

Presentation Title: The Differential Role of Relational and Physical Aggression in the Academic Experiences of Middle School Girls
 Research Mentor: Nancy Deutsch
 Research Institution: University of Virginia School of Education
 Home Institution: Clark Atlanta University
 Co-Authors: Joanna Williams, Lora Henderson and Nancy Deutsch, University of Virginia School of Education

Stephanie Kabeche, 130..... 8:45-9:45 AM

Presentation Title: Structural Analysis of a Novel Neutralizing Epitope on Respiratory Syncytial Virus Fusion Glycoprotein
 Research Mentor: Jason McLellan
 Research Institution: Dartmouth College
 Home Institution: University of Miami
 Co-Authors: Morgan Gilman and Jason McLellan, Dartmouth College

Rodney Kazibwe, 99..... 8:45-9:45 AM

Presentation Title: The Coupling of Church and State
 Research Mentor: Kim Wilson
 Research Institution: Tufts University
 Home Institution: University of Georgia
 Co-Authors: Kim Wilson and Melita Sawyer, Tufts University

Tamnnet Kidanu, 112 9:45-10:45 AM

Presentation Title: Examining Perceived Barriers and Facilitators of Using the “Fresh To You” Intervention
 Research Mentor: Akilah Keita
 Research Institution: Brown University
 Home Institution: St. Catherine University St. Paul
 Co-Authors: Akilah Dulin Keita, Brown University

Trisheena Kills Pretty Enemy, 14 9:45-10:45 AM

Presentation Title: The Detection of Clostridium difficile in Hospital Samples
 Research Mentor: Seth Walk
 Research Institution: Montana State University -Bozeman
 Home Institution: Little Big Horn College
 Co-Authors: Seth Walk and Susan Broadway, Montana State University

Cassidy Krause, 91 8:45-9:45 AM

Presentation Title: Analysis of the Discrete Maximum Principle for the Finite Element Method
 Research Mentor: Johnny Guzman
 Research Institution: Brown University
 Home Institution: University of Wisconsin Platteville
 Co-Authors: Arman Green, Johnny Guzman and Manuel Sanchez Uribe, Brown University

Kailey LaMere, 15 8:45-9:45 AM

Presentation Title: Hidden Stressors Affect Children's Health
 Research Mentor: Elizabeth Kinion
 Research Institution: Montana State University -Bozeman
 Home Institution: Fort Belknap College
 Co-Authors: Elizabeth Kinion, Montana State University

Yolonda Long, 131 8:45-9:45 AM

Presentation Title: Genetics of Tuberculosis Susceptibility in West Africa
 Research Mentor: Scott Williams
 Research Institution: Dartmouth College
 Home Institution: North Carolina Central University
 Co-Authors: Scott Williams and Lindsay Gordon, Dartmouth College; Marquitta White, Vanderbilt University

Di'Vennici Lucas, 16 9:45-10:45 AM

Presentation Title: Phenotypic Analysis of Pseudomonas aeruginosa Breath Volatiles Acquired from Cystic Fibrosis Patients
 Research Mentor: Heather Bean
 Research Institution: Dartmouth College
 Home Institution: Stanford University
 Co-Authors: Heather D. Bean, Dartmouth College

Peter MacIver, 113..... 8:45-9:45 AM

Presentation Title: The Effects of Obesity on Microglia in Brain Regions Associated with Cognition
 Research Mentor: Elise Cope
 Research Institution: Princeton University
 Home Institution: American University
 Co-Authors: Elise Cope, Lyra Olsen and Elizabeth Gould, Princeton University

Austin Maduka, 60..... 9:45-10:45 AM

Presentation Title: Understanding the Molecular Basis by which O-GlcNAc Regulates the Cellular Stress Response: Identification of the Stress-Dependent Interactome of O-GlcNAcase
 Research Mentor: Natasha Zachara
 Research Institution: Johns Hopkins University
 Home Institution: University of Maryland, Baltimore County
 Co-Authors: Jennifer Groves and Natasha Zachara, Johns Hopkins University

Yessenia Magana, 114 9:45-10:45 AM

Presentation Title: Intervention Fidelity: Examining the Associations Between Fidelity and Minds in Motion Intervention Outcomes
 Research Mentor: Elizabeth Cottone
 Research Institution: University of Virginia School of Education
 Home Institution: CSU Dominguez Hills
 Co-Authors: Helyn Kim and Elizabeth Cottone, University of Virginia School of Education

Vayu Maini Rekdal, 17..... 8:45-9:45 AM

Presentation Title: Gut Microbial Metabolism of Xenobiotics: Understanding the Chemistry of Our Co-habitants
 Research Mentor: Nitzan Koppel
 Research Institution: Harvard University
 Home Institution: Carleton College
 Co-Authors: Nitzan Koppel and Emily Balskus, Harvard University

Derrick Marshall, 133..... 8:45-9:45 AM

Presentation Title: Synthesis of Limonene-Based Phosphines
 Research Mentor: David Glueck
 Research Institution: Dartmouth College
 Home Institution: College of Wooster
 Co-Authors: David Glueck, Dartmouth College

Adrian Mehrtash, 61..... 8:45-9:45 AM

Presentation Title: The Impact of Gene Duplication and Divergence on the Formation of Protein Complexes
 Research Mentor: Elena M. Kramer
 Research Institution: Harvard University
 Home Institution: Saint Mary's University
 Co-Authors: Elena M. Kramer and Lynn D. Holappa, Harvard University

German Mendoza, 18 9:45-10:45 AM

Presentation Title: Laminar Specific Manganese Enhanced MRI of the Rat Spinal Cord In vivo
 Research Mentor: Galit Pelled
 Research Institution: Johns Hopkins University
 Home Institution: CSU San Marcos
 Co-Authors: Galit Pelled, Hongyang Lu and Jiadi Xu, Johns Hopkins University

Hunter Mitchell, 19..... 8:45-9:45 AM

Presentation Title: Examine the Effects of Diabetes on COX-1 and COX-2: The Expression/Localization in Human Myocardium and Vasculature
 Research Mentor: Frank Sellke
 Research Institution: Brown University
 Home Institution: University of Miami
 Co-Authors: Jun Feng, Yuhong Liu and Frank Sellke, Brown University

David Molina, 20 9:45-10:45 AM

Presentation Title: Early Childhood Finger Digit Ratio as a Potential Marker for Prenatal Androgen Exposure
 Research Mentor: Joseph Braun
 Research Institution: Brown University
 Home Institution: University of Rhode Island
 Co-Authors: Joseph Braun and Megan Romano, Brown University

Lidia Monjaras, 115 8:45-9:45 AM

Presentation Title: Institutional Natural Mentors: Exploring Predictors and Outcomes Among Underrepresented Students
 Research Mentor: Noelle Hurd
 Research Institution: University of Virginia School of Education
 Home Institution: San Diego State University
 Co-Authors: Noelle M. Hurd, University of Virginia School of Education

Maria del Mar Monroig, 46 9:45-10:45 AM

Presentation Title: TL1A-DR3 Signaling in Diabetes
 Research Mentor: Claudia Rodrigues
 Research Institution: University of Miami
 Home Institution: UPR-Mayaguez
 Co-Authors: Claudia Rodrigues, University of Miami

Daniel Morales, 62..... 9:45-10:45 AM

Presentation Title: Determining Junctional Tension in Polarized Skin Cells Using Ecad-TSMod
 Research Mentor: Danelle Devenport
 Research Institution: Princeton University
 Home Institution: UPR-Aguadilla
 Co-Authors: Danelle Devenport, Wen Yih Aw and Bryan Heck, Princeton University

Patrick Morgan, 92 9:45-10:45 AM

Presentation Title: Exploring the Folding Pathways of Small Helical Polypeptides Using Multiscale String Methods

Research Mentor: Aaron Dinner

Research Institution: University of Chicago

Home Institution: DePaul University

Co-Authors: Jeremy O.B. Tempkin, Aaron Dinner and Jonathan Weare, University of Chicago

Myranda Myers, 63 8:45-9:45 AM

Presentation Title: Affect of Endocytic Rab Proteins on Angiogenesis in Lungs

Research Mentor: Elizabeth Harrington

Research Institution: Brown University

Home Institution: Kutztown University

Co-Authors: Havovi Chichger and Elizabeth Harrington, Brown University

Alexandra Navarro, 64..... 9:45-10:45 AM

Presentation Title: Identification of Maternal Embryonic Leucine Zipper Kinase (MELK) Interacting Proteins

Research Mentor: Kristen Hurov

Research Institution: Novartis Institutes for BioMedical Research

Co-Authors: Kristen Hurov and Yuji Mishina, Novartis Institutes for Biomedical Research

Maeva Nyandjo, 65 8:45-9:45 AM

Presentation Title: Deletion of C1q/TNF-related protein-3 (CTRP3) Prevents Hepatic Steatosis

Research Mentor: William Wong

Research Institution: Johns Hopkins University

Home Institution: University of Maryland, Baltimore County

Co-Authors: Risa Wolf and Guang William Wong, Johns Hopkins University

Michael Olvera, 66 9:45-10:45 AM

Presentation Title: Measurement of CD8+ T Cell Mediated Killing Using Gag Clones from Elite Controllers

Research Mentor: Joel Blankson

Research Institution: Johns Hopkins University

Home Institution: Humboldt State University

Co-Authors: Joel Blankson and Christopher Pohlmeier, Johns Hopkins University

Martha Ordonez, 67 8:45-9:45 AM

Presentation Title: Methods to Enable Structural Characterization of the Retroviral Reverse Transcription Initiation Complex by NMR

Research Mentor: Victoria D'Souza

Research Institution: Harvard University

Home Institution: Hunter College

Co-Authors: Zehra Yildiz and Victoria D'Souza, Harvard University

Leslie Pedraza, 116..... 9:45-10:45 AM

Presentation Title: Assessing Human Motor Performance Improvement in the Motor Sequence Task

Research Mentor: Robert Stickgold

Research Institution: Harvard University, Division of Medical Sciences

Home Institution: UC Berkeley

Co-Authors: Jon Chamberlain, Harvard University; Robert Stickgold, Harvard Medical School and Beth Israel Deaconess Medical Center

Shekinah Phillips, 117 8:45-9:45 AM

Presentation Title: The Attentional State-dependent Memory on Gradual Visuomotor Learning

Research Mentor: Joo Hyun Song

Research Institution: Brown University

Home Institution: Agnes Scott College

Co-Authors: Joo-Hyun Song and Hee Yeon Im, Brown University

Mikayla Pitts, 68 9:45-10:45 AM

Presentation Title: Gelactin-3 Purification and Expression

Research Mentor: Mary Cloninger

Research Institution: Montana State University -Bozeman

Home Institution: Little Big Horn College

Co-Authors: Mary Cloninger, Montana State University

Laura Puentes, 69..... 8:45-9:45 AM

Presentation Title: Functional Reversal: Short-Term and Long-Term Variations in Vascular Endothelium-Derived Reactive Oxygen Species

Research Mentor: Ruhul Abid

Research Institution: Brown University

Home Institution: University of Central Florida

Co-Authors: Ruhul Abid and Ehtesham Shafique, Brown University

Margarita Rangel, 70 9:45-10:45 AM

Presentation Title: Analyzing the In vitro Binding Interaction of Two Self-identity Proteins in the Pathogenic Bacterium *Proteus mirabilis*
Research Mentor: Karine Gibbs
Research Institution: Harvard University
Home Institution: San Jose State University
Co-Authors: Karine Gibbs, Harvard University

Gerardo Reyes Chavez, 71 8:45-9:45 AM

Presentation Title: Identification and Characterization of Gonadal Stem Cells
Research Mentor: Gary Wessel
Research Institution: Brown University
Home Institution: LaGuardia Community College CUNY
Co-Authors: Thomas M. Onorato, LaGuardia Community College, CUNY; Gary M. Wessel, Brown University

Mya Roberson, 21 8:45-9:45 AM

Presentation Title: Geospatial Correlates Between *Plasmodium falciparum* Patterns and Endemic Burkitt's Lymphoma in Equatorial Regions
Research Mentor: Simon Levin
Research Institution: Princeton University
Home Institution: Brown University
Co-Authors: Thomas Van Boeckel and Simon Levin, Princeton University

Krystal Roggerson, 22 9:45-10:45 AM

Presentation Title: Myeloid Suppressor Cells Induced by the Hepatitis C Virus Suppress Interferon gamma Production Through the mTOR Pathway in Natural Killer Cells
Research Mentor: Young Hahn
Research Institution: University of Virginia School of Medicine
Home Institution: Hampton University
Co-Authors: Young Hahn and Celeste Goh, University of Virginia School of Medicine

Anna Roland, 72 9:45-10:45 AM

Presentation Title: Serotonin Receptor Density Differences Between Acute Coronary Syndrome and Stable Coronary Artery Disease Patients
Research Mentor: Marlene Williams
Research Institution: Johns Hopkins University
Home Institution: Trinity Washington University
Co-Authors: Marlene Williams, Johns Hopkins University

Andres Rosario, 23..... 8:45-9:45 AM

Presentation Title: Comfort Evaluation of Localized Heating by Biomedical Sensors
Research Mentor: Niraj Jha
Research Institution: Princeton University
Home Institution: UPR-Mayaguez
Co-Authors: Niraj Jha and Arsalan Mohsen Nia, Princeton University

Emmanuel Rosas, 127..... 8:45-9:45 AM

Presentation Title: Degradation of the Anti-apoptotic Mcl-1 Protein is Controlled by Phosphorylation and Dephosphorylation
Research Mentor: Ruth Craig
Research Institution: Dartmouth College
Home Institution: University of Texas at Brownsville
Co-Authors: Shanna Nifoussi, Yan Song and Ruth W. Craig, Dartmouth College

Tanisha Saini, 24 9:45-10:45 AM

Presentation Title: Building a Promoter System for Identification of Gene Regulation Involved in Amyloidogenic Light Chain Proteo-toxicity
Research Mentor: Ronglih Liao
Research Institution: Harvard University, Division of Medical Sciences
Home Institution: San Francisco State University
Co-Authors: Ronglih Liao and Yanfei Yang, Harvard Medical School and Brigham and Women's Hospital

Spencer Salibur, 96..... 9:45-10:45 AM

Presentation Title: A Comparative View of the Role of State on Paternity Testing in the United States and Brazil in the 1980s
Research Mentor: Nara Milanich
Research Institution: Columbia University
Home Institution: Middlebury College
Co-Authors: Nara Milanich, Columbia University

Gabriel Santiago, 73..... 8:45-9:45 AM

Presentation Title: Study Of Missense RAI1 Mutation G3440A Identified in Smith-Magenis Syndrome Patient
Research Mentor: Katherina Walz
Research Institution: University of Miami
Home Institution: UPR-Humacao
Co-Authors: Katherina Walz and Lei Cao, University of Miami

Rachel Scarlett, 25..... 8:45-9:45 AM

Presentation Title: An Evaluation of the Johns Hopkins Center for a Livable Future Aquaponics Project: A Survey of Visitors
 Research Mentor: Jillian Fry
 Research Institution: Johns Hopkins University
 Home Institution: UC Santa Barbara
 Co-Authors: Jillian Fry and David Love, Johns Hopkins University

Alexa Seda, 26 9:45-10:45 AM

Presentation Title: Exploring the Potential Health Benefits of Zoning Policies to Reduce Alcohol Outlet Density
 Research Mentor: David Jernigan
 Research Institution: Johns Hopkins University
 Home Institution: DePaul University
 Co-Authors: Debra Furr-Holden and David H. Jernigan, Johns Hopkins University

Gloria Selva, 118 9:45-10:45 AM

Presentation Title: Understanding Youth-Adult Relationships: The Role of Settings
 Research Mentor: Nancy Deutsch
 Research Institution: University of Virginia School of Education
 Home Institution: Florida International University
 Co-Authors: Nancy Deutsch, Valerie Futch and Shannon Varga, University of Virginia School of Education

Jean Serrano, 27 8:45-9:45 AM

Presentation Title: Characterization of the Mechanical Properties of Biofilms Using a Micro-membrane Rheometer
 Research Mentor: Howard Stone
 Research Institution: Princeton University
 Home Institution: UPR-Mayaguez
 Co-Authors: Howard Stone and François Ingremau, Princeton University

Imani Sharpe, 28..... 9:45-10:45 AM

Presentation Title: The Effect of Bacterial Biofilms' Flow in Porous Channels
 Research Mentor: Howard Stone
 Research Institution: Princeton University
 Home Institution: North Carolina A&T State University
 Co-Authors: MinYoung Kevin Kim and Howard Stone, Princeton University

Sunil Suckoo, 119..... 8:45-9:45 AM

Presentation Title: Pratt Brats and Shadow Amherst: Class Antagonism at Amherst College
 Research Mentor: Omar McRoberts
 Research Institution: University of Chicago
 Home Institution: Amherst College
 Co-Authors: Omar McRoberts, University of Chicago

Gwenaëlle Thomas, 120 9:45-10:45 AM

Presentation Title: Optimizing ABA Paradigm to Implement DREADD Technology
 Research Mentor: Stephanie Dulawa
 Research Institution: University of Chicago
 Home Institution: University of Maryland, Baltimore County
 Co-Authors: Stephanie Klenotich and Stephanie Dulawa, University of Chicago

Kenya Thomas, 29 8:45-9:45 AM

Presentation Title: Female Hormonal Microenvironment Diminishes the Activation of Growth-related Pathways Erk1/2 and Stat5a in the DNMT3B7 transgenic Hematopoietic Stem Cells
 Research Mentor: Lucy Godley
 Research Institution: University of Chicago
 Home Institution: Indiana University-Bloomington
 Co-Authors: Aparna Vasanthakumar, Hayley Zullo and Lucy Godley, University of Chicago

Claire Tilton, 83 8:45-9:45 AM

Presentation Title: The Behavior of Synthetic Lightweight Aggregate Subjected to Direct Shear Loading
 Research Mentor: Chris Swan
 Research Institution: Tufts University
 Home Institution: Arizona State University
 Co-Authors: Christopher Swan and Abby Barker, Tufts University

Karina Torres Tristani, 75 8:45-9:45 AM

Presentation Title: Amygdalo-striatal Interaction in the Enhancement of Stimulus Salience in Associative Learning
 Research Mentor: Peter Holland
 Research Institution: Johns Hopkins University
 Home Institution: UPR-Rio Piedras
 Co-Authors: Guillem R. Esber, National Institute on Drug Abuse; Peter C. Holland, Johns Hopkins University

Ngoc Tran, 76 9:45-10:45 AM

Presentation Title: RNA Interference Off-target Effects Provide Opportunity to Study Cellular Pathways
 Research Mentor: Marc Hild
 Research Institution: Novartis Institutes for BioMedical Research
 Co-Authors: Marc Hild, Frederic Sigoillot and Xiaoying Shi, Novartis Institutes for Biomedical Research

Jalesa Triggs, 30..... 9:45-10:45 AM

Presentation Title: Assessment of Oxidative Stress in Black and White Pediatric Type 1 Diabetes Patients
 Research Mentor: James Hempe
 Research Institution: Dillard University
 Home Institution: Dillard University
 Co-Authors: James Hempe, Dillard University

Soleil Valentin, 77 8:45-9:45 AM

Presentation Title: Preservation of Probiotics with Novel Lyoprotectant Solutions
 Research Mentor: Juan de Pablo
 Research Institution: University of Chicago
 Home Institution: UPR-Mayaguez
 Co-Authors: Juan de Pablo and Johnny Alfaro, University of Chicago

Naomi Varnis, 97 8:45-9:45 AM

Presentation Title: Between a War and an Epidemic: Harm Reduction and Needle Exchange under Mayor David Dinkins, 1989-1993
 Research Mentor: Samuel Roberts
 Research Institution: Columbia University
 Home Institution: Brown University
 Co-Authors: Samuel Roberts, Columbia University

Crismeldy Veloz, 121 8:45-9:45 AM

Presentation Title: The Study of Personality Traits in Relation to the Acute Subjective Effects of Amphetamine in Healthy Participants
 Research Mentor: Tara White
 Research Institution: Brown University
 Home Institution: Hunter College
 Co-Authors: Tara L. White, Adam Nitenson and Beatrice Selen Senocak, Brown University

Germara Villalongo-Andino, 84..... 9:45-10:45 AM

Presentation Title: Synthesis of Porous Graphene by Thermal Exfoliation and HNO₃ Oxidation for the Development of Graphene-based Catalysts
 Research Mentor: Robert Hurt
 Research Institution: Brown University
 Home Institution: UPR-Mayaguez
 Co-Authors: Robert Hurt and Ruben Spitz, Brown University

Derek Walker, 98..... 9:45-10:45 AM

Presentation Title: A Debate Concerning Racial Equality
 Research Mentor: Michele Moody-Adams
 Research Institution: Columbia University
 Home Institution: Amherst College
 Co-Authors: Michele Moody-Adams and Devon Wade, Columbia University

Derrick Wilson, 122..... 8:45-9:45 AM

Presentation Title: Central City New Orleans and the Revitalization of Dryades Street/Oretha Castle Haley Boulevard
 Research Mentor: Rebecca Carter
 Research Institution: Brown University
 Home Institution: University of Oklahoma
 Co-Authors: Rebecca Carter, Brown University

Stephanie Wyche, 93 8:45-9:45 AM

Presentation Title: Grading Websites' Privacy Practices
 Research Mentor: Edward Felten
 Research Institution: Princeton University
 Home Institution: Claflin University
 Co-Authors: Edward Felten, Princeton University

Gopal Yalla, 94 9:45-10:45 AM

Presentation Title: On Globally Defined Solutions of the Generalized Constantin-Lax-Majda Equation
 Research Mentor: Johnny Guzman
 Research Institution: Brown University
 Home Institution: College of the Holy Cross
 Co-Authors: Sami Davies, Johnny Guzman and Ian Alevy, Brown University

Nazanin Yeganeh Kazemi, 132..... 8:45-9:45 AM

Presentation Title: Modeling Dilated Cardiomyopathy Using Murine Induced Pluripotent Stem Cells
 Research Mentor: Pattrarane Limphong
 Research Institution: Johns Hopkins University
 Home Institution: University of Missouri-Kansas City
 Co-Authors: Pattrarane Limphong, Gunsik Cho and Chulan Kwon, Johns Hopkins University

Jacquelyn Zehner, 78 9:45-10:45 AM

Presentation Title: Growth Rate Cost of Fluorescent Protein Expression in *Saccharomyces cerevisiae*
 Research Mentor: Michael Springer
 Home Institution: Harvard University, Division of Medical Sciences
 Claremont McKenna College
 Co-Authors: Jue Wang, Harvard University; Michael Springer, Harvard Medical School

New Doctoral Scholars

The Leadership Alliance congratulates the following Doctoral Scholars who have completed their PhDs or MD-PhDs. These Doctoral Scholars bring the total number of Leadership Alliance Doctoral Scholars to 316.

Erika Alexander, PhD

BA, 2007, Spelman College;
PhD, 2013, Brown University

Shae Alexis Anderson, PhD

BA, 2000, Bennett College;
PhD, 2012, Georgia State University

Annie Arguello, PhD

BS, 2006, Saint Mary's University;
PhD, 2013, UC San Francisco

Perla Ayala, PhD

BS, 2005, UC Riverside;
PhD, 2011, UC Berkeley-UCSF

Raquel Castellanos, PhD

BS, 2003, Saint Francis College;
PhD, 2014, Albert Einstein College
of Medicine

April Clayton, PhD

BS, 2008, Erskine College;
PhD, 2013, Johns Hopkins University

Azurii Collier, PhD

BS, 2005, Emory University;
PhD, 2012, Northwestern University

Nelly Cruz, PhD

BS, 2005, UPR-Mayaguez;
PhD, 2011, Massachusetts Institute
of Technology

Cynthia Davies-Venn, PhD

BS, 2006, University of Maryland,
Baltimore County;
PhD, 2012, Baylor College of Medicine

Nancy Diaz-Elsayed, PhD

BS, 2006, Massachusetts Institute
of Technology;
PhD, 2013, UC Berkeley

Antonia Dominguez, PhD

BS, 2007, New Mexico State University;
PhD, 2013, Stanford University

Charisma Edwards, PhD

BS, 2004, Clark Atlanta University;
PhD, 2013, Louisiana State University-
Baton Rouge

Bernadette Gailliard, PhD

BS, 2006, American University;
PhD, 2013, UC Santa Barbara

Ryan Grant, PhD

BS, 2005, UC Davis;
PhD, 2011, University of Illinois at
Urbana-Champaign

Monica Huerta, PhD

BS, 2002, University of Texas at El Paso;
PhD, 2010, University of Michigan-
Ann Arbor

Sergio Iniguez, PhD

BS, 2002, CSU San Bernardino;
PhD, 2011, Florida State University

Diana Lizarazo Borgas, PhD

BS, 2008, Rhode Island College;
PhD, 2014, Brown University

Jennifer Maddox, PhD

BS, 2005, Howard University;
PhD, 2012, University of Michigan-
Ann Arbor

Chad McCormick, PhD

BS, 2005, University of Maryland,
Baltimore County;
PhD, 2013, Yale University

Alejandra Mendoza, PhD

BS, 2007, University of Miami;
PhD, 2014, New York University
Sackler Institute

Madison Moore, PhD

BS, 2006, University of Michigan-
Ann Arbor;
PhD, 2012, Yale University

Solymar Negretti

Emmanueli, PhD

BS, 2008, UPR-Rio Piedras;
PhD, 2014, University of Michigan-
Ann Arbor

Teresa Uyen Nguyen, PhD

BS, 2004, New York University;
PhD, 2013, University of Michigan-
Ann Arbor

Nyamekye Obeng-Adjei, PhD

BS, 2007, University of Maryland,
Eastern Shore;
PhD, 2013, University of Pennsylvania

Omoruyi O. Osula, PhD

BS, 2004, Morehouse College;
PhD, 2012, Johns Hopkins University

Elizabeth Penela, PhD

BS, 2006, University of Miami;
PhD, 2012, University of Miami

Nelissa Perez-Nazario, PhD

BS, 2006, UPR-Mayaguez;
PhD, 2013, University of Rochester

Cassi Pittman, PhD

BS, 2005, University of Pennsylvania;
PhD, 2012, Harvard University

Curtis Powell, PhD

BS, 2008, Brigham Young University-Idaho;
PhD, 2014, University of Michigan-
Ann Arbor

Cherie Ramirez, PhD

BS, 2006, Rollins College-Winter Park;
PhD, 2012, Harvard University

Teresa Ramirez, PhD

BS, 2004, CSU Dominguez Hills;
PhD, 2013, Brown University

Vimalier Reyes-Ortiz, PhD

BS, 2006, UPR-Mayaguez;
PhD, 2011, UC Berkeley

Zully Rivera-Ramos, PhD

BS, 2004, UPR-Rio Piedras;
PhD, 2012, University of Illinois at
Urbana-Champaign

Renee Nicole Roberts, PhD

BS, 2005, Delaware State University;
PhD, 2011, University of Missouri-Columbia

Vedangi Sample, PhD

BS, 2005, University of Houston-Downtown;
PhD, 2012, Johns Hopkins University

Mia Sosa-Provencio

BA, 2005 New Mexico State University;
PhD, 2014, New Mexico State University

David Stout, PhD

BS, 2010, CSU Long Beach;
PhD, 2014, Brown University

Lorna Torrado Fernandez, PhD

BS, 2002, UPR-Rio Piedras;
PhD, 2013, University of Texas at Austin

Nel Venzon, PhD

BS, 2005, University of Hawaii Manoa;
PhD, 2014, University of Southern
California

MD-PhD:

Melissa Cabinian, MD-PhD

BS, 2006, University of Georgia;
MD-PhD, 2012, Weill Cornell
Medical College

Doctoral Scholar Participants

Melixa Abad-Izquierdo

Assistant Professor
History and Political Science Department
Farmingdale State College
izquierm@farmingdale.edu

Adriana Alejandro-Osorio

Director of Partnerships and
Strategic Alliances
Strategic Philanthropy
Global Impact
adriana.alejandro-osorio@charity.org

Travis Boyce

Associate Professor
Africana Studies
University of Northern Colorado
travis.boyce@unco.edu

Candace Carroll-Wicks

Assistant Professor
Biology
Hardin-Simmons University
candace.e.carroll@gmail.com

Miguel Chavez

Assistant Professor
Department of Women and Ethnic Studies
St. Cloud State University
mmchavezphd@gmail.com

Arnaldo Diaz

Assistant Dean for Research
Training Programs
Executive Vice Dean/CSO Office
University of Pennsylvania
diaz@mail.med.upenn.edu

Alyssa Garcia

Assistant Professor
Women's Studies
Pennsylvania State University
adg10@psu.edu

Sergio Iniguez

Assistant Professor
Psychology
CSU San Bernardino
iniguez@csus.edu

Maria Jimenez

Senior Research Associate
Evaluation & Research
Vital Research
jimenez.mariab@gmail.com

Marcus Jones

Assistant Professor
Infectious Diseases/Genomic Medicine
J. Craig Venter Institute
mjones@jcv.org

Tiffany Joseph

Assistant Professor
Sociology
SUNY Stony Brook
tiffany.joseph@stonybrook.edu

Ferentz Lafargue

Director
Davis Center
Williams College
ferentz.lafargue@williams.edu

Brian Landry

Digital Experiences Manager
Senior Researcher
Accenture Technology Labs
brian.landry@accenture.com

Christina Medina-Ramirez

Professional Development Coordinator
RISE Program
Hunter College
cmedina@genectr.hunter.cuny.edu

Teresa Nguyen

Postdoctoral Scholar
Obstetrics and Gynecology
University of Wisconsin Madison
nguyen25@wisc.edu

Chinonye Nnakwe

Director of Graduate Diversity Recruitment
Office of the Provost
University of Chicago
cnnakwe@uchicago.edu

Cesar Perez

Senior Regulatory Operations Officer
CDRH
Food and Drug Administration
cesar.perez@fda.hhs.gov

Gaëlle Pierre

City Research Scientist
Research & Management Analysis
New York City Housing Authority
gaellecpierre@gmail.com

Teresa Ramirez

Post-doctoral IRTA Fellow
Laboratory of Liver Diseases
National Institute on Alcohol Abuse
and Alcoholism
teresa_ramirez@brown.edu

Chenere Ramsey

Assistant Professor
Biological Sciences
Hampton University
cpramsey1@yahoo.com

Frank Roberts

Graduate Student
Religion and Philosophy
Yale University
frank.roberts@yale.edu

Edgardo Sanabria-Valentín

Pre-Health/Pre-Professional Advisor Lead
& Research
Department of Sciences
John Jay College of Criminal Justice CUNY
esanabriavalentin@jjay.cuny.edu

Mia Sosa-Provencio

Assistant Professor of Secondary Education
Department of Curriculum and Instruction
New Mexico State University
mia_angelica@hotmail.com

Jeanelle Spencer

Postdoctoral Fellow
Experimental Transplantation and
Immunology Branch
National Cancer Institute
jmspencerphd@gmail.com

David Stout

Researcher
Engineering
Brown University
daveastout@gmail.com

Sophia Suarez

Assistant Professor
Physics
Brooklyn College CUNY
snsuarez@brooklyn.cuny.edu

Scharri Walker

Assistant Professor
Biology
Tougaloo College
swalker@tougaloo.edu

Ling Wong

Post-doctoral researcher
War Related Illness and Injury Study Center
Veterans Affairs Medical Center
Washington DC
ling.m.wong@gmail.com

Arturo Zavala

Assistant Professor
Psychology
CSU Long Beach
arturo.zavala@csulb.edu

Faculty, Administrators, and Other Participants

Susan Avery

President and Director
Directorate
Woods Hole Oceanographical Institute
savery@whoi.edu

Earnestine Baker

Executive Director, Meyerhoff
Scholarship Program
Meyerhoff
University of Maryland, Baltimore County
erbaker@umbc.edu

Jabbar Bennett

Associate Dean
Graduate School/Division of Biology
and Medicine
Brown University
jabbar_bennett@brown.edu

Anastacia Berzat

Scientific Program Manager
Education, Diversity & Inclusion
Novartis Institutes for BioMedical Research
anastacia.berzat@novartis.com

Anke Bill

Presidential Postdoc
Developmental and Molecular Pathways
Novartis Institutes for BioMedical Research
anke.bill@novartis.com

C. Brooke Bruthers

Senior Program Manager,
Diversity Programs
Education Office
American Physiological Society
bbruthers@the-aps.org

Joseph Brown

Graduate Diversity Recruitment Officer
School of Humanities and Sciences
Stanford University
jlbrown@stanford.edu

Peter Bruns

Professor Emeritus
Molecular Biology and Genetics
Cornell University
pjb4@cornell.edu

Don Brunson

Assistant Dean
Graduate School
Vanderbilt University
don.c.brunson@vanderbilt.edu

Eric Buckles

Associate Professor
Biology
Dillard University
ebuckles@dillard.edu

Angela Byars-Winston

Associate Professor
Dept of Medicine
University of Wisconsin Madison
ambwinst@medicine.wisc.edu

Luis Cámara-Fuertes

Director
Honors Program
UPR-Rio Piedras
luisraulcamara@gmail.com

William Campbell

Director (Emeritus)
Grants & Research
University of Wisconsin River Falls
wm.e.campbell@uwrf.edu

Ana Carneiro

Assistant Professor
Pharmacology
Vanderbilt University
ana.carneiro@vanderbilt.edu

Jessica Chery

PhD
Molecular Biology, Cell Biology,
and Biochemistry
Brown University
jessica_chery@brown.edu

Julian Collins

Associate Director
EMPower
Montana State University -Bozeman
julian.collins@coe.montana.edu

Deborah Collins

Associate Director
Leadership Alliance
Brown University
d_collins@brown.edu

Yvette Dalton-McCoy

Assoc.Dir Grad Diversity
Provost's Office
Tufts University
yvette.dalton-mccoy@tufts.edu

Janet Davidson

Associate Professor
Criminology & Criminal Justice
Chaminade University of Honolulu
jdavidso@chaminade.edu

Gabrielle DoVale

Project Assistant
Leadership Alliance
Brown University
gabz2098@gmail.com

Maria DoVale

Coordinator for Professional Development
and Networking
Leadership Alliance
Brown University
maria_dovale@brown.edu

Jessica Evora

Resident Coordinator
UCLA Residential Life
UCLA
jevora@orl.ucla.edu

Karina Evora

Project Assistant
Leadership Alliance
Brown University
karina_evora@brown.edu

Mary Farwell

Interim Assistant Vice Chancellor
for Research
Research Division
East Carolina University
farwellm@ecu.edu

Kristin Finch

Program Administrator
Center for STEM Diversity
Tufts University
kristin.finch@tufts.edu

Roger Fischer

Bridges Math Instructor
College of Engineering
Montana State University -Bozeman
rfischer94@gmail.com

Saul Fisher

Executive Director for Grants and
Academic Initiative
Office of the Provost
Mercy College
sfisher@mercy.edu

Tiffani Fonseca

Fellowship Programs Coordinator
Education
American Society For Microbiology
fellowships@asmusa.org

Michael Gaines

Professor and Assistant Provost of
Undergraduate Research and
Community Outreach
University of Miami
m.gaines@miami.edu

Isabel Geathers

Postdoctoral Fellow
Graduate School/ English
Princeton University
geathers@princeton.edu

Ashanti Ghee

System Administrator
Engineering
Computer Sciences Corporation
ashanti1974@gmail.com

Medeva Ghee

Executive Director
The Leadership Alliance
Brown University
medeva_ghee@brown.edu

Leislle Godo-Solo

Associate Director
Institute for Recruitment of Teachers
Institute for Recruitment of Teachers
lgodosolo@andover.edu

Christine Gonzalez

Associate Program Manager
Center for Translational and Basic Research
Hunter College
christine.gonzalez@hunter.cuny.edu

Ruth Gotian

Administrative Director
MD-PhD Program
Weill Cornell Medical College
rgotian@med.cornell.edu

Michelle Grundy

Assistant Director, Graduate Programs
in Biomedica
Biomedical Research Education
and Training
Vanderbilt University
michelle.grundy@vanderbilt.edu

Sonya Gwak

Director, Graduate Admissions
School of Engineering and Applied Science
University of Pennsylvania
sgwak@seas.upenn.edu

Louise Hainline

Professor
Psychology
Brooklyn College CUNY
louiseh@brooklyn.cuny.edu

John Hall

Professor
Chemistry
Morehouse College
jhall@morehouse.edu

Stella Hargett

Interim Chairperson
Department of Sociology & Anthropology
Morgan State University
stella.hargett@morgan.edu

Linda Harris

Associate Director
Academic Programs
St. Jude Children's Research Hospital
linda.harris@stjude.org

Sara Hernandez

Director
Diversity Programs in Engineering
Cornell University
sh267@cornell.edu

Mark Hernandez

Professor
Civil and Environmental Engineering
University of Colorado Boulder
mark.hernandez@colorado.edu

George Hill

Professor Emeritus
Pathology, Microbiology and Immunology
Vanderbilt University
george.hill@vanderbilt.edu

Mary Hill

Assistant Provost
Howard University
marhill@howard.edu

Alejandro Huezio

Coordinator
RISE Program
Brooklyn College CUNY
ahuezio@brooklyn.cuny.edu

Kristen Hurov

Investigator
Oncology
Novartis Institutes for BioMedical Research
kristen.hurov@novartis.com

Karen Jackson-Weaver

Associate Dean
American Studies
Princeton University
kjweaver@princeton.edu

Barbara Kahn

Coordinator for Graduate and
Undergraduate Programs
The Leadership Alliance
Brown University
barbara_kahn@brown.edu

Florence Kempner

Coordinator
Psychology
Brooklyn College CUNY
fkempner@brooklyn.cuny.edu

Edward Kim

Technical Assistant
Leadership Alliance
Brown University
edwardkim73@gmail.com

W. Marcus Lambert

Director, Diversity and Recruitment
Weill Cornell Graduate School of Medicine
wil2009@med.cornell.edu

Patricia Lee-Robinson

Associate Provost
Office of Health Professions Advising and
Undergraduate Research
Chaminade University of Honolulu
plrobins@chaminade.edu

Laura Liscum

Professor
Integrative Physiology & Pathobiology
Tufts University
laura.liscum@tufts.edu

Rachelle Lott

Academic Program Assistant
Office of Graduate Student Affairs
Johns Hopkins University
rlott1@jhmi.edu

Gwynneth Malin

Director, The Humanities Initiative
New York University
gcm207@nyu.edu

Aliza Mansolino

Administrative Coordinator
Research Training Programs
University of Pennsylvania
amanso@mail.med.upenn.edu

Jermaine McCalpin

Lecturer
Government
University of the West Indies
jermaine.mccalpin02@uwimona.edu.jm

William McDade

Deputy Provost for Research and
Minority Issues
Office of the Provost
University of Chicago
wmcdade@bsd.uchicago.edu

Caryl McFarlane

Senior Program Officer
Higher Education
Woodrow Wilson National
Fellowship Foundation
mcfarlane@woodrow.org

Krista Mincey

Assistant Professor
Public Health Sciences
Xavier University of Louisiana
kmincey@xula.edu

Diana Mitchell

Assistant Dean
The Graduate School
Princeton University
dmitch@princeton.edu

Vernon Mitchell, Jr.

Postdoctoral Fellow
The Graduate School
Princeton University
vernonm@princeton.edu

Ruth Molina

Director, New England HERC
Faculty of Arts & Sciences
Harvard University
rmolina@fas.harvard.edu

Eduardo Moralez

Adjunct History Instructor
William P. Clements Department of History
Southern Methodist University
emdoceo@gmail.com

Diana Morgan

Dean of Students
Institute for Molecular Engineering
University of Chicago
djmorgan@uchicago.edu

Andrea Morris

Assistant Dean for Academic Diversity
Graduate School of Arts and Sciences
Columbia University
amorris@columbia.edu

Michelle Nearon

Assistant Dean
Graduate School
Yale University
michelle.nearon@yale.edu

Stephen Nelson

Senior Scholar
Leadership Alliance
Brown University
stephen_j_nelson@brown.edu

Michael Nusbaum

Assoc. Dean for Graduate Education;
Director, Biom
Dept of Neuroscience
University of Pennsylvania
nusbaum@upenn.edu

Christine O'Brien

Program Officer
Fellowships
National Academies
cobrien@nas.edu

Joel Oppenheim

Professor Emeritus
Microbiology
New York University Sackler Institute
joel.oppenheim@nyumc.org

Benjamin Ortiz

Associate Professor
Biological Sciences
Hunter College
ortiz@genectr.hunter.cuny.edu

Stephanie Parsons

Assistant Director of Diversity and
Minority Affairs
Graduate School of Arts & Sciences
Harvard University
sparsons@fas.harvard.edu

Heather Petrucci

Program Coordinator
MSTP
New York University
heather.petrucci@nyumc.org

Kathleen Pickering

Executive Director
Tri-Institutional Ph.D. Programs in
Chemical Biology/Computational
Biology & Medicine
Cornell University
kap2013@med.cornell.edu

Leslie Pond

Head, Postdoctoral/Fellowship Programs
Education, Diversity & Inclusion
Novartis Institutes for BioMedical Research
leslie.pond@novartis.com

Muthukrishna Raja

Chair, Associate Professor of Chemistry
Chemistry
Claflin University
mrja@claflin.edu

Hank Randall

Photographer
Randall Photography
hank@randallphotography.com

Roosevelt Ratliff, Jr.

Professor/Assistant Vice President
Academic Affairs
Claflin University
rratliff@claflin.edu

Patricia Rea

Assistant Director for Admissions
Graduate Division of Arts and Sciences
University of Pennsylvania
patrea@sas.upenn.edu

John Rose

Dean for Diversity & Compliance
President's Office
Hunter College
jtrose@hunter.cuny.edu

Robert Roswell

Faculty
Medicine
New York University
rosrwer01@nyumc.org

Nancy Schwartz

Professor and Associate Dean
Biological Sciences
University of Chicago
n-schwartz@uchicago.edu

Allen Schwartz

Associate
Psychology
Brooklyn College CUNY
floral1@brooklyn.cuny.edu

Pamela Scott-Johnson

Associate Professor & Interim Dean of
College of Liberal Arts
Morgan State University
pamela.scottjohnson@morgan.edu

Jane Seibel

Assistant Dean for Graduate Recruiting
& Diversity
Dartmouth College
Jane.B.Seibel@dartmouth.edu

Jean Shin

Director, Minority Affairs Program
Minority Affairs Program
American Sociological Association
shin@asanet.org

Rochelle Smith

Assistant Provost
Office of the Provost
Washington University in St. Louis
smithr@wusm.wustl.edu

Laurel Southard

Director of Undergraduate Research
Office of the Provost
Cornell University
les3@cornell.edu

Cynthia Spence

Associate Professor
Sociology & Anthropology
Spelman College
cspence@spelman.edu

Dina Stroud

Executive Director
Physics and Astronomy
Vanderbilt University
dina.m.stroud@vanderbilt.edu

Neva Tall Bear

Faculty
Science
Little Big Horn College
tallbearn@lbhc.edu

Naoko Tanese

Professor/Associate Dean
Microbiology/Sackler Institute
New York University Sackler Institute
tanesn01@med.nyu.edu

Tracie Thomas

Associate Director
Office of Graduate Placement and Ronald
McNair Scholars Program
Xavier University of Louisiana
tlthomas@xula.edu

Sheila Thomas

Asst Professor of Medicine/Asst Dean
of Diversity
Division of Medical Sciences/Graduate
School of Arts and Sciences
Harvard University
stthomas@fas.harvard.edu

Rahmelle Thompson

Program Director
Division of Science and Math
Morehouse College
rahmelle.thompson@morehouse.edu

Micha Tomkiewicz

Professor
Physics
Brooklyn College CUNY
michatom@brooklyn.cuny.edu

Susanne Tranguch

Director, Academic Programs
and Operations
Sackler Institute
New York University
susanne.tranguch@nyumc.org

Phillip Trella

Assistant Vice President for Research
Graduate & Postdoctoral Affairs
University of Virginia
trella@virginia.edu

Amanda Tufekcier

Program Coordinator
Sackler Institute
New York University
amanda.tufekcier@nyumc.org

Rodrigo Valles

Associate Program Director
Center for Translations & Basic Research
Hunter College
rvalles@hunter.cuny.edu

Angelino Viceisza

Assistant Professor
Economics
Spelman College
aviceisz@spelman.edu

Aileen Walter

Vice President
Scholarships and University Relations
National Action Council for Minorities
in Engineering
awalater@nacme.org

Clara Weishahn

Project Assistant
Leadership Alliance
Brown University
clara_weishahn@brown.edu

Jodi Wesemann

Assistant Director for Educational Research
Education Division
American Chemical Society
j_wesemann@acs.org

Catherine Will

Manager, Student Recruitment
and Programs
Office of Graduate Student Affairs
Johns Hopkins University
cwill@jhmi.edu

Damon Williams

Director of Graduate Placement
Academic Affairs
Xavier University of Louisiana
dlwilli5@xula.edu

Christina Williams

Program Administrator
Biomedical Research Education & Training
Vanderbilt University
christina.k.williams@vanderbilt.edu

John Wilson

Dean
Arts and Sciences
Dillard University
jwilson@dillard.edu

George Wimberly

Director of Professional Development
Professional Development
American Educational Research Association
gwimberly@aera.net

Claire Wright

Assistant Professor
Natural Sciences and Mathematics
Chaminade University of Honolulu
claire.wright@chaminade.edu

Matthew Zimmt

Chair
Chemistry
Brown University
matthew_zimmt@brown.edu

Graduate Student Participants

Jasmine Abrams

Virginia Commonwealth University
abramsja@vcu.edu

Kevin Alicea Torres

University of Pennsylvania
kevinali@mail.med.upenn.edu

Alejandro Arroyo

University of Pennsylvania
aarroy@mail.med.upenn.edu

Alexandria Bobe

University of Chicago
abobe@uchicago.edu

Ashon Bradford

Cornell University
ab822@cornell.edu

Elliott Brea

Weill Cornell Medical College
ejb2001@med.cornell.edu

Clifford Bridges

University of Colorado Boulder
clifford.bridges@colorado.edu

Michael Burel

New York University
michael.burel@nyumc.org

Coral Cabrera-Montalvo

University of Colorado Boulder
coral.cabreramontalvo@colorado.edu

Daisy Camacho

UCLA
daisycamacho@gmail.com

Angel Casanova

University of Wisconsin Madison
amcasanova@wisc.edu

Ann Catherine Saunders

Brown University
eugenia.saunders@gmail.com

Ashley Conoway

University of Alabama-Birmingham
acc46@uab.edu

Linsey Edwards

Princeton University
linedward@princeton.edu

Monique Foster

New York University
monique.foster@nyumc.org

Lydia Grmai

New York University
lydia.grmai@med.nyu.edu

Marcus Hines

New York University
marcus.hines2@med.nyu.edu

Craig Holloway

Yale University
craig.holloway@yale.edu

Mydashia Hough

University of Virginia
mh2xa@virginia.edu

Cory Hunter

Princeton University
cwhunter@princeton.edu

Eric James

Brown University
eric_james@brown.edu

Blair Jenkins

Columbia University
baj2122@cumc.columbia.edu

Alexandra Jones

Princeton University
alexj301@gmail.com

Devin Karbowicz

Cornell University
dbk82@cornell.edu

Majida Kargbo

Brown University
majida_kargbo@brown.edu

Katie Litts

University of Alabama-Birmingham
klitts@uab.edu

Isabel Martinez

Yale University
isabel.martinez@yale.edu

Luis Martinez-Velazquez

New York University
lam694@nyumc.org

Rebba Moore

University of Chicago
ram5@uchicago.edu

Felicia Morales

University of Notre Dame
fmoralez@nd.edu

Jessian Munoz

Rutgers University
munozjl@gsbs.rutgers.edu

Antoinette Nelson

Rutgers University
antgnelson@gmail.com

Alexandra Ornelas

UC Santa Barbara
aornelas@uail.ucsb.edu

Nicole Perez

University of Notre Dame
nperez5@nd.edu

Lauren Quattrochi

Brown University
lauren_quattrochi@brown.edu

Frank Roberts

Yale University
frank.roberts@yale.edu

Jose Rosales- Chavez

Arizona State University
joserosaleschavez@gmail.com

Santas Rosario

University of Miami
santasrosario@gmail.com

Tanya Sanabria

UC Irvine
tsanabri@uci.edu

Melanie Santos-Marrero

University of Pennsylvania
msantosmarrero@gmail.com

Vanessa Seals

Stanford University
vlseals@stanford.edu

Davonda Smith

University of Virginia
dmb7n@virginia.edu

Jose Solis
University of Colorado Boulder
jose.solis82@gmail.com

Kendra Vann
Vanderbilt University
kendra.vann@vanderbilt.edu

Diane Wong
Cornell University
dw465@cornell.edu

Amber Spry
Columbia University
ads2183@columbia.edu

Devon Wade
Columbia University
dtw2114@columbia.edu

Novartis Institutes for BioMedical Research Post Bac Students

Kaisha Benjamin
Novartis Institutes for
BioMedical Research
kbenjam@mit.edu

Justina Caushi
Novartis Institutes for
BioMedical Research
justinacaushi@gmail.com

Alexandra Navarro
Novartis Institutes for
BioMedical Research
navarroa@mit.edu

Ngoc Tran
Novartis Institutes for
BioMedical Research
ngoc.tran@novartis.com

Undergraduate Participants

Yasmine Abbey
Brown University
Vassar College
yaabbey@vassar.edu

Laura Agosto-Rosa
University of Pennsylvania
UPR-Rio Piedras
lauramagosto_01@hotmail.com

Mike Allevato
Weill Cornell Graduate School
UC Riverside
malle007@ucr.edu

Matthew Aber
Harvard University, Division of
Medical Sciences
UC Berkeley
matthewa11234@berkeley.edu

Katelyn Ahern
University of Miami
Auburn University
kahern93@comcast.net

Brent Allman
University of Colorado Boulder
University of San Diego
allmanb@sandiego.edu

Olubukola Abiona
Johns Hopkins University
University of Maryland, Baltimore County
olua1@umbc.edu

Mona Ahmed
Harvard University, Division of
Medical Sciences
University of New Mexico
ahmedm@unm.edu

Anna Almario
Johns Hopkins University
UC Riverside
aalma011@ucr.edu

Jonuelle Acosta
University of Pennsylvania
Purdue University
acosta7@purdue.edu

Cynthia Alarcon
Washington University in St. Louis
CSU Los Angeles
cynthia.alarcon11@gmail.com

Eduardo Alsina
University of Colorado Boulder
Franklin and Marshall College
ealsina@fandm.edu

Gift Addae
Harvard University, Division of
Medical Sciences
UMass Boston
gift.addae001@umb.edu

Vania Alfaro
University of Chicago
San Jose State University
vania.alfaro@gmail.com

Ronald Anderson
University of Chicago
Stanford University
ronandsn@stanford.edu

Brandon Anhalt

Hunter College
University of Arizona
banhalt@email.arizona.edu

Eduardo Aponte

Harvard University, Division of
Medical Sciences
Polytechnic University-Brooklyn
ea1108@nyu.edu

Diana Aponte

Harvard University, Division of
Medical Sciences
UPR-Rio Piedras
diana.aponte@upr.edu

Oluwatomiwa Awobayiku

University of Chicago
Indiana University-Bloomington
oluawoba@umail.iu.edu

Safiat Ayinde

Johns Hopkins University
Iona College
stayinde@gmail.com

Leena Babiker

University of Chicago
Michigan State University
babiker.leena@gmail.com

Stefanie Balbuca

Brown University
Hunter College
stefanie1955@gmail.com

Alexandria Barajas

Princeton University
Stanford University
alexleah@stanford.edu

Antonia Bass

University of Pennsylvania
University of Central Florida
arbass@knights.ucf.edu

Erick Bayala

University of Chicago
UPR-Humacao
erick.bayala@upr.edu

John Beckford

New York University Sackler Institute
UMass Amherst
jsisay56@gmail.com

Hannah Behrens

New York University Sackler Institute
Jacobs University Bremen
h.behrens@jacobs-university.de

Nicole Bermudez

Columbia University
Bates College
nbermude@bates.edu

Emanuel Bernardi Rivera

University of Virginia School of Medicine
UPR-Cayey
emanuel.bernardi@upr.edu

Beena Biju

Harvard University, Division of
Medical Sciences
Hofstra University
bbiju1@pride.hofstra.edu

Bradley Blackshire

Harvard University
University of La Verne
bradley.blackshire@gmail.com

Noah Bloch

University of Pennsylvania
Haverford College
nbloch@haverford.edu

Kaleb Bogale

University of Pennsylvania
Pennsylvania State University
ktb5179@psu.edu

Stephanie Bonilla

Harvard University
CSU Northridge
stephanie.bonilla.284@my.csun.edu

Jamar Borland

Johns Hopkins University
University of Central Florida
jborland2011@knights.ucf.edu

Emilie Bouda

Brown University
Hunter College
boudaemilie@yahoo.fr

Jennifer Bowers

Stanford University
Rivier University
jbowers@rivier.edu

Janine Brandt

Dartmouth College
Pennsylvania State University
jqb5510@psu.edu

Ann Brasacchio

Brown University
Wheaton College
ann.m.brasacchio@gmail.com

Devin Bready

New York University Sackler Institute
Indiana University Purdue University
dbready@umail.iu.edu

Patrick Bruck

Harvard University
Creighton University
patrickbruck@creighton.edu

Ariel Calderon

Johns Hopkins University
Hunter College
ariel.calderon@live.com

Emma Carine Iradukunda

Harvard University, Division of
Medical Sciences
Spelman College
eiraduku@scmail.spelman.edu

Jose Carrillo

Tufts University
California State Polytechnic University
jcarri23@my.smccd.edu

Carlos Carrion

University of Virginia School of Medicine
UPR-Cayey
ccarrion.2010@gmail.com

Alani Casey

Dartmouth College
North Carolina Central University
acasey3@eagles.nccu.edu

Stephanie Castillo

Vanderbilt University
University of Central Florida
scastillo9@knights.ucf.edu

Christopher Castro

University of Colorado Boulder
Northeastern Illinois University
castrocp@gmail.com

Teddie Chambers

Tufts University
Kenyon College
chamberst@kenyon.edu

Bianka Charity

University of Virginia School of Education
Spelman College
bcharity@scmail.spelman.edu

Alex Chen

Brown University
New York University
ac3661@nyu.edu

Yanqiao Chen

Brown University
Cornell University
yc589@cornell.edu

Hannah Cheriyan

Harvard University, Division of
Medical Sciences
University of Michigan-Ann Arbor
hcheriya@umich.edu

Keya Chilka

University of Virginia School of Education
Mount Holyoke College
keya.chilka@gmail.com

Kellie Choy

University of Virginia School of Education
Pennsylvania State University
kelliechoy92@gmail.com

Angelo Christophe

Harvard University
UMass Boston
angelo.christophe001@umb.edu

Kritika Chugh

Weill Cornell Medical College
University of Maryland, Baltimore County
kritika.chugh@umbc.edu

Ricardo Chujutalli

Weill Cornell Medical College
Kettering College of Medical Arts
rachujutalli@my.kc.edu

Irena Cich

Tufts University
University of Minnesota-Twin Cities
irena.cich@gmail.com

Monica Cisneros

Harvard University, Division of
Medical Sciences
University of Texas at Austin
monica.s.cisneros@gmail.com

Jessica Clark

University of Miami
Winston-Salem State University
jessica.r.clark111@gmail.com

Taelor Clay

University of Virginia School of Education
Morgan State University
tacla8@morgan.edu

Joshua Cohen

New York University Sackler Institute
SUNY Binghamton
joshua.cohen2@nyumc.org

Celizbets Colón-Ortiz

Harvard University
UPR-Cayey
celizbets.colon@upr.edu

Sydney Corona

Yale University
Saint Marys College of California
coronalea@gmail.com

DeMarcus Crews

Harvard University
Morehouse College
demarcus.drews@morehouse.edu

Chelsea Crittle

Stanford University
Spelman College
ccrittle@stanford.edu

Bryan Cruz

Hunter College
CSU San Bernardino
cruz303@coyote.csusb.edu

Jessenia Cruz Robles

University of Colorado Boulder
UPR-Humacao
jessenia.cruz@upr.edu

Anthony Crymes

New York University Sackler Institute
Morehouse College
anthonycrymes@gmail.com

Angie Cuervo

Brooklyn College CUNY
Brooklyn College CUNY
acuervo308@gmail.com

Adriana Cushnie

Brooklyn College CUNY
Brooklyn College CUNY
adrianacushnie@yahoo.com

Sami Davies

Brown University
Carnegie Mellon University
sedavies@andrew.cmu.edu

Donald Davis

Brown University
Tougaloo College
dedavis@tougaloo.edu

Michael Davis

Yale University
New College of Florida
michael.davis12@ncf.edu

Cristian de la Cotera

University of Colorado Boulder
University of Notre Dame
cdelacot@nd.edu

Andrew De Los Santos

Hunter College
University of Maryland, Baltimore County
adelo1@umbc.edu

Maria del Mar Monroig

University of Miami
UPR-Mayaguez
maria.monroig@upr.edu

Bianca Demara

University of Chicago
University of Arizona
bdemara@email.arizona.edu

Alirio deMeireles

New York University Sackler Institute
Yale University
alirio.demeireles@yale.edu

Lauren Dennison

New York University Sackler Institute
University of Georgia
laurenwd@uga.edu

Bradley Dice

Yale University
William Jewell University
bdice@bradleydice.com

Nhat-Dang Do

Brown University
UC San Diego
nhatdangdo@gmail.com

Kenishea Donaldson

Princeton University
keni.d0126@gmail.com

Simone Douglas

Brown University
University of Miami
s.douglas1@umiami.edu

Xavier du Maine

Harvard University, Division of
Medical Sciences
Columbia University
xavier.dumaine@gmail.com

Josiah Durtka

Montana State University -Bozeman
Blackfeet Community College
jddurtka@gmail.com

Amarachi Ejiaiwoko

University of Pennsylvania
Claflin University
amarachi.oe@hotmail.com

Peace and Love El Henson

Stanford University
UC Berkeley
peaceelhenson@berkeley.edu

Jalila Elfeji

University of Colorado Boulder
University of Wisconsin Madison
elfeji@wisc.edu

Stephanie Erjavec

Vanderbilt University
UC Santa Barbara
stephanie.erjavec@yahoo.com

Herenia Espitia Armenta

Weill Cornell Graduate School
Saint Mary's University
herenia_espitia@hotmail.com

Esther Exantus

Yale University
Rutgers University
esther.exantus@rutgers.edu

Onyekachi Ezeibe

New York University Sackler Institute
Howard University
onyekachi.ezeibe@bison.howard.edu

Isaac Failing

Montana State University -Bozeman
Fort Belknap College
isaacfailing12@gmail.com

Jesus Fandino

Brown University
CSU Northridge
jesus.fandino.857@my.csun.edu

Mitchell Farrell

Hunter College
College of New Jersey
farrelm8@tcnj.edu

Andrew Feigley

Vanderbilt University
York College of Pennsylvania
afeigley@ycp.edu

Rosio Fernandez

Harvard University, Division of
Medical Sciences
Brooklyn College CUNY
rosio.fernandezrf@gmail.com

Vierelina Fernández

Tufts University
DePaul University
vierelinafernandez@gmail.com

Amanda Filie

University of Colorado Boulder
University of Maryland, College Park
a.filie94@gmail.com

Katherine Finnigan

Washington University in St. Louis
Kenyon College
finnigank@kenyon.edu

Vanessa Fleites

University of Pennsylvania
University of Miami
vcfleites@aol.com

Marcus Florez

Harvard University, Division of
Medical Sciences
University of Kansas
marcus_florez@ku.edu

Aaron Fowler

New York University Sackler Institute
University of Kentucky
aaron.fowler15@uky.edu

Samantha Furman

University of Chicago
University of Maryland, Baltimore County
sfurman1@umbc.edu

Melissa Garber

Weill Cornell Graduate School
Cornell University
mcgarber224@gmail.com

Maxine Garcia

Johns Hopkins University
Pomona College
msg02012@myemail.pomona.edu

Allen Garcia

Montana State University -Bozeman
allen77garcia@yahoo.com

Jasmine Geathers

Princeton University
Xavier University of Louisiana
jasmine.geathers@hotmail.com

Zane Gibbs

University of Colorado Boulder
University of North Texas
zanegibbs@my.unt.edu

Alejandra Gil

University of Chicago
Middlebury College
agil@middlebury.edu

Amaris Gilchrease

Brown University
Claflin University
amaris95925@live.com

Nitsan Goldstein

University of Pennsylvania
Williams College
nitsan.goldstein@williams.edu

Katherine Gonzalez

New York University Sackler Institute
Florida Atlantic University
katherine.gonzalez@nyumc.org

Matthew Gonzalez

New York University Sackler Institute
Arizona State University
mjgonza7@asu.edu

Jessica Gonzalez

Harvard University
University of Miami
jesslorente@gmail.com

Michael Granovetter

New York University Sackler Institute
Princeton University
mgranove@princeton.edu

Rachel Grant

New York University Sackler Institute
Washington University in St. Louis
rgrant@wustl.edu

Arman Green

Brown University
Morehouse College
armangreen@aol.com

Camille Gregory

Weill Cornell Graduate School
Brooklyn College CUNY
gcamille_994@yahoo.com

Nicolas Greige

Weill Cornell Graduate School
Boston College
greige@bc.edu

Jeff Guevara

Yale University
CSU Dominguez Hills
jguevara37@toromail.csudh.edu

Lyangela Gutierrez

Princeton University
Rice University
ljg3@rice.edu

Jacqueline Harris

Columbia University
Williams College
jacqueline.j.harris@williams.edu

Oyindayo Hassan

University of Virginia School of Medicine
Xavier University of Louisiana
ohassan@xula.edu

Ayana Henderson

Princeton University
University of Maryland, Baltimore County
hayana1@umbc.edu

Samantha Herd

University of Pennsylvania Arts & Sciences
Saint Edward's University
skh7893@gmail.com

Katiuska Hernandez

Brown University
College of Mount Saint Vincent
khernandez04.student@mountsaintvincent.edu

Victor Hernandez

Yale University
Rutgers University
victor.hernandez@rutgers.edu

Mateo Hernandez

University of Colorado Boulder
University of South Florida
mateoh@mail.usf.edu

Daniela Hernández

Princeton University
Dartmouth College
daniela.hernandez.15@dartmouth.edu

Andrea Hernandez Mestre

Yale University
UPR-Cayey
andrea.hernandez2@upr.edu

Tatiana Hill

Harvard University
Amherst College
thill16@amherst.edu

Angela Hin

New York University Sackler Institute
University of Paris Diderot
angelahin@club-internet.fr

Christopher Hinojo

University of Miami
Iowa State University
cmhinojo@iastate.edu

Elvina Hogan

Montana State University -Bozeman
Little Big Horn College
elvinamhogan@gmail.com

Caroline Hoppe

New York University Sackler Institute
Jacobs University Bremen
hoppe.caroline@web.de

Cierra Howard

University of Colorado Boulder
University of Hawaii Manoa
cierrah@hawaii.edu

Dajashinair Howard

University of Chicago
Michigan State University
howar180@msu.edu

Sequenza Howes-Williams

Brown University
Clark Atlanta University
sequenzawilliams@gmail.com

Benjamin Huber

Yale University
Rice University
bjh5@rice.edu

April Huerta

Montana State University -Bozeman
Little Big Horn College
april_maxine_huerta@hotmail.com

Khang Huynh

Hunter College
Emory University
khuynh2@emory.edu

Allison Ibarra

Princeton University
UC Riverside
aibar010@ucr.edu

Ombeni Idassi

New York University Sackler Institute
North Carolina A&T State University
omidassi@aggies.ncat.edu

Misha Inniss-Thompson

Columbia University
Cornell University
mni6@cornell.edu

Edward Irvine

University of Pennsylvania
Stanford University
eirvine@stanford.edu

Kwame Jackson

Brown University
Xavier University of Louisiana
kwame.n.jackson@gmail.com

Max Jacobs

New York University
Rutgers University
maj3193@gmail.com

Darin Jagnarine

New York University Sackler Institute
University of Florida
djagnarine@ufl.edu

Christopher Jarvis

Yale University
Bucknell University
csj006@bucknell.edu

Francesca Jimenez

University of Chicago
Scripps College
francescaj@uchicago.edu

Tiarra Joell

Weill Cornell Graduate School
Claflin University
tiarrajoell@gmail.com

Darren Johnson

University of Pennsylvania
Towson University
djohnson2987@yahoo.com

Bhavna Jois

University of Pennsylvania
University of Maryland, Baltimore County
bjois1@umbc.edu

Keena Jones

University of Virginia School of Education
Clark Atlanta University
keena.jones@students.cau.edu

Jovonna Jones

New York University
Emory University
jovojones11@gmail.com

Hadiya Jones

Princeton University
Spelman College
hjones9@scmail.spelman.edu

Stephanie Kabeche

Dartmouth College
University of Miami
s.kabeche@umiami.edu

Rodney Kazibwe

Tufts University
University of Georgia
rkazibwe@uga.edu

Tamnnet Kidanu

Brown University
St. Catherine University St. Paul
tamnnetkidanu@yahoo.com

Trisheena Kills Pretty Enemy

Montana State University -Bozeman
Little Big Horn College
trisheenakpe@gmail.com

Woojin Kim

University of Pennsylvania Arts & Sciences
Johns Hopkins University
wkim34@jhu.edu

Cassidy Krause

Brown University
University of Wisconsin Platteville
krauseca@uwplatt.edu

Kent Kurashima

University of Colorado Boulder
San Diego State University
kent.kurashima@gmail.com

Eileen Lam

Columbia University
Bates College
elam@bates.edu

Kailey LaMere

Montana State University -Bozeman
Fort Belknap College
kdashon08@gmail.com

Carolina Larrain

Johns Hopkins University
University of Wisconsin Madison
clarrain@wisc.edu

Elizabeth Laudadio

Hunter College
Mount Holyoke College
lauda22e@mtholyoke.edu

Marcus Lee

Yale University
Morehouse College
marcusalee@live.com

Jocelyn Legere

Yale University
Bloomsburg University of Pennsylvania
jtl28772@huskies.bloomu.edu

Reginald Lerebours

University of Pennsylvania
North Carolina State University
rclerebours@gmail.com

Peter Litwin

Yale University
Southern Connecticut State University
peterlitwin@yahoo.com

Yolonda Long

Dartmouth College
North Carolina Central University
ylong@eagles.nccu.edu

Claudia Lopez

University of Pennsylvania
UPR-Rio Piedras
clopezlloreda@gmail.com

Andrea Lopez

Weill Cornell Graduate School
UPR-Rio Piedras
andrea.lopez5@upr.edu

Naomi López-Caraballo

New York University Sackler Institute
UPR-Mayaguez
naomi.lopez1@upr.edu

Jovans Lorquet

New York University Sackler Institute
Barry University
jovans.lorquet@mymail.barry.edu

Anthony Lotten

Columbia University
Xavier University of Louisiana
anthonyjr_011@yahoo.com

Jamel Love

Vanderbilt University
John Jay College of Criminal Justice CUNY
jamel.love@jjay.cuny.edu

Kenyetta Lowery

New York University
Edward Waters College
fmwriter32@gmail.com

Di'Venni Lucas

Dartmouth College
Stanford University
diveluca@stanford.edu

Julie Luna

Weill Cornell Medical College
UPR-Aguadilla
julie.luna1@upr.edu

Gaurav Luthria

University of Pennsylvania
University of Maryland, Baltimore County
gluthr1@umbc.edu

Peter MacIver

Princeton University
American University
pm0653a@student.american.edu

Bria Macklin

University of Pennsylvania
North Carolina A&T State University
blmackli@aggies.ncat.edu

Austin Maduka

Johns Hopkins University
University of Maryland, Baltimore County
amaduka1@umbc.edu

Sara Maes

New York University Sackler Institute
University of New Mexico
sara7272@unm.edu

Yessenia Magana

University of Virginia School of Education
CSU Dominguez Hills
yesseniamagana@gmail.com

Vayu Maini Rekda

Harvard University
Carleton College
mainirev@carleton.edu

Oleg Makarevich

New York University Sackler Institute
University of Maryland, Baltimore County
olegmak1@umbc.com

Jessica Manfredi

Brown University
University of Washington
j.mmanfredi@yahoo.com

Derrick Marshall

Dartmouth College
College of Wooster
dmarshall15@wooster.edu

Megan Marshall

New York University Sackler Institute
Brown University
megan_marshall@brown.edu

Jesus Martinez-Gomez

New York University Sackler Institute
University of Washington
martinezg.jesus@gmail.com

Wangui Mbuguiro

Weill Cornell Medical College
Massachusetts Institute of Technology
wangui@mit.edu

Margaret McCarter

Yale University
Illinois Wesleyan University
mmccarte@iwu.edu

Floyd McMillan Jr.

Montana State University -Bozeman
Fort Peck Community College
floydmcmillan2007@yahoo.com

Adrian Mehrtash

Harvard University
Saint Mary's University
amehrtash@mail.stmarytx.edu

Edgar Mejia

Princeton University
Middlebury College
emejia@middlebury.edu

Michael Melendez

University of Colorado Boulder
UPR-Mayaguez
michael.melendez1@upr.edu

Krystal Mendez

University of Pennsylvania
Brooklyn College CUNY
krystal.mendez93@gmail.com

German Mendoza

Johns Hopkins University
CSU San Marcos
gmendoza_12@hotmail.com

Megan Miller

University of Pennsylvania
New Mexico State University
megan141@nmsu.edu

Joshua Millings

Princeton University
Massachusetts Institute of Technology
millings@mit.edu

Briaunna Minor

University of Maryland, Baltimore County
Xavier University of Louisiana
bminor1@xula.edu

Miguel Miranda-Roman

University of Pennsylvania
UPR-Rio Piedras
miguel.miranda6@upr.edu

Hunter Mitchell

Brown University
University of Miami
h.mitchell3@umiami.edu

David Molina

Brown University
University of Rhode Island
david_molina@my.uri.edu

Lidia Monjaras

University of Virginia School of Education
San Diego State University
lidiamonjaras4@hotmail.com

Nina Montoya

New York University Sackler Institute
Gonzaga University
nmontoya@zagmail.gonzaga.edu

Gabriel Moore

Tufts University Graduate
BioMedical Sciences
Oberlin College
gmoore@oberlin.edu

Daniel Morales

Princeton University
UPR-Aguadilla
dm20@princeton.edu

Patrick Morgan

University of Chicago
DePaul University
professional.patrick711@gmail.com

Andres Moya-Rodríguez

University of Chicago
UPR-Mayaguez
andres.moya@upr.edu

Luis Munoz

University of Pennsylvania
University of Texas at San Antonio
xft839@my.utsa.edu

Frances Muñoz

University of Pennsylvania Arts & Sciences
UPR-Rio Piedras
fmarie09@gmail.com

Myranda Myers

Brown University
Kutztown University
myranda3myers@gmail.com

Tuan Nguyen

New York University Sackler Institute
University of Georgia
tutydau@gmail.com

David Nicholson

University of Pennsylvania
University of Maryland, Baltimore County
danich1@umbc.edu

Maalik Nickerson

Columbia University
Morehouse College
maalik.nickerson@gmail.com

Akua Nimarko

University of Pennsylvania
University of Maryland, Baltimore County
nimarko1@umbc.edu

Vesta Nwankwo

Tufts University Graduate
BioMedical Sciences
Mercer University
chizoba1029@gmail.com

Maeva Nyandjo

Johns Hopkins University
University of Maryland, Baltimore County
mnyand1@umbc.edu

Angie Ocampo

University of Pennsylvania Arts & Sciences
Brown University
angie_ocampo@brown.edu

Christopher Odudu

Washington University in St. Louis
CSU Dominguez Hills
codudu1@toromail.csudh.edu

Christine Ohenewah

Harvard University
Macalester College
christine.ohenewah7@gmail.com

Alexandria Okeke

University of Pennsylvania Arts & Sciences
Georgia State University
alexis.okeke@gmail.com

Shereena Old Elk

Montana State University -Bozeman
Little Big Horn College
sold_elk@hotmail.com

Joanna Olivas

New York University Sackler Institute
University of Texas at El Paso
joliv164_7@hotmail.com

Michael Olvera

Johns Hopkins University
Humboldt State University
mpo68@humboldt.edu

Roxana Ontiveros

Harvard University
University of Southern California
rontiver@usc.edu

Martha Ordonez

Harvard University
Hunter College
mordonez@fas.harvard.edu

Laura Ortiz

Columbia University
UPR-Rio Piedras
lau.ortiz@outlook.com

Adewola Osunsade

University of Pennsylvania
University of the District of Columbia
w.osunsade@gmail.com

Tayler Pauls

University of Colorado Boulder
University of Arkansas at Fayetteville
taylerpauls@gmail.com

Jacelyn Peabody

Johns Hopkins University
Carthage College
jpeabody@carthage.edu

Leslie Pedraza

Harvard University, Division of
Medical Sciences
UC Berkeley
leslieleepedraza@gmail.com

Serenela Pelier

Yale University
University of Central Florida
s.pelier.2011@knights.ucf.edu

Orlando Pena

University of Colorado Boulder
UPR-Mayaguez
orlando.pena2@upr.edu

Melecio Perea

University of Pennsylvania
New Mexico Highlands University
perea_m@hotmail.com

Alexandrea Perez

Princeton University
Rice University
lexi.perez@rice.edu

Jonatan Perez

Princeton University
Brown University
jonatan_perez@Brown.edu

Gabrielle Peterson

Columbia University
Smith College
gpeterson@smith.edu

Hang Pham

Yale University
Southern Connecticut State University
hangp1@owls.southernct.edu

Charles Phillips

Tougaloo College
Tougaloo College
jzg.cphillips@gmail.com

Shekinah Phillips

Brown University
Agnes Scott College
smphillips@agnesscott.edu

Elena Pires

University of Pennsylvania
Hunter College
pirele92@gmail.com

Mikayla Pitts

Montana State University -Bozeman
Little Big Horn College
mikaylapitts@yahoo.com

Darien Pollock

Princeton University
Morehouse College
darienpollock.dp@gmail.com

Joseph Portanova

Stanford University
Macalester College
jportano@macalester.edu

Justin Preddie

Princeton University
Hampton University
justin.preddie@gmail.com

Laura Puentes

Brown University
University of Central Florida
lpuentes@knights.ucf.edu

Allison Puglisi

Princeton University
Dartmouth College
allison.n.puglisi.15@dartmouth.edu

Santiago Pulido

Brown University
College of New Jersey
pulidos1@tcnj.edu

Natalia Quijano-Cardé

University of Pennsylvania
UPR-Mayaguez
natalia.quijano@upr.edu

Katherine Quiroz Figueroa

University of Pennsylvania
UPR-Rio Piedras
katheqf@live.com

Amanda Ramdular

Weill Cornell Graduate School
Hunter College
aramdula@hunter.cuny.edu

Brianna Ramirez

Johns Hopkins University
University of Texas at El Paso
brramirez2@miners.utep.edu

Benjamin Randolph

Stanford University
Dartmouth College
benjaminmrandolph@gmail.com

Margarita Rangel

Harvard University
San Jose State University
margarita.rangel@sjsu.edu

Jenna Ray

Brown University
Spelman College
jennafray916@gmail.com

Gerardo Reyes Chavez

Brown University
LaGuardia Community College CUNY
gerar.lreyes@gmail.com

Joel Rhone

University of Chicago
Howard University
rhonejoel@gmail.com

Theo Ribierre

New York University Sackler Institute
University of Paris Diderot
ribierre.theo@gmail.com

Osvaldo Rivera

University of Pennsylvania
Universidad Metropolitana
odrg95@gmail.com

Ashley Rivera

Johns Hopkins University
Rochester Institute of Technology
amr6831@rit.edu

Anisleidys Rivero

Washington University in St. Louis
University of Houston-Downtown
ani1992rivero@yahoo.com

Lara Roach

University of Colorado Boulder
UCLA
lroach@ucla.edu

Mya Roberson

Princeton University
Brown University
mya_roberson@brown.edu

Erica Robinson

Dillard University
Dillard University
erica.robinson@dillard.edu

Brianne Rodgers

Princeton University
Rice University
bar3@rice.edu

Chabely Rodriguez

Brooklyn College CUNY
Brooklyn College CUNY
dhabely.rodriguez77@gmail.com

Rebekah Rodriguez

Weill Cornell Graduate School
University of Texas at San Antonio
rebekah1431@sbcglobal.net

Roxana Rodríguez

University of Maryland, Baltimore County
UPR-Rio Piedras
rmariel14@gmail.com

Emily Rogers

New York University
Sarah Lawrence College
erogers@gm.slc.edu

Krystal Roggeron

University of Virginia School of Medicine
Hampton University
krystal.roggeron@my.hamptonu.edu

Anna Roland

Johns Hopkins University
Trinity Washington University
aroland6120@gmail.com

Franklin Roman-Rodriguez

Columbia University
UPR-Mayaguez
franklin.roman1@upr.edu

Carissa Romero

Hunter College
CSU Fullerton
carissa.romero@csu.fullerton.edu

Kevin Rosales

Princeton University
CSU San Bernardino
004038488@coyote.csusb.edu

Andres Rosario

Princeton University
UPR-Mayaguez
andy.uprb@gmail.com

Carlos Rosas

Washington University in St. Louis
CSU San Marcos
rosas019@cougars.csusm.edu

Emmanuel Rosas

Dartmouth College
University of Texas at Brownsville
emmanuel.rosas108@utb.com

Meredith Ross

New York University Sackler Institute
Vanderbilt University
meredith.j.ross@vanderbilt.edu

Michael Roundtree

University of Chicago
Morehouse College
mroundtree@rcc.uchicago.edu

Karina Ruiz-Esteves

New York University Sackler Institute
UPR-Mayaguez
karina.ruiz@upr.edu

Jocelyn Saavedra

Brooklyn College CUNY
Brooklyn College CUNY
jocelynsaavedra1@gmail.com

Tanisha Saini

Harvard University, Division of
Medical Sciences
San Francisco State University
tanisha815@yahoo.com

Spencer Salibur

Columbia University
Middlebury College
ssalibur@middlebury.edu

Brandon Sampson

Washington University in St. Louis
Saint Louis University
sampsBrandon92@gmail.com

Michael Samuelson-Ruiz

New York University Sackler Institute
University of Georgia
colbyruiz@gmail.com

Kathryn Sanchez

New York University Sackler Institute
New Mexico State University
ktsanch@nmsu.edu

Cecilia Sanders

University of Chicago
Harvard University
csanders@college.harvard.edu

Quentin Sanders

University of Colorado Boulder
University of Maryland, Baltimore County
quentin2@umbc.edu

Hector Sandoval

Tufts University Graduate
BioMedical Sciences
Pasadena City College
hsandovaljr@hotmail.com

Gabriel Santiago

University of Miami
UPR-Humacao
gabriel.santiago7@yahoo.com

Ceciley Scarbrough

Yale University
Spelman College
ceciley123@aol.com

Rachel Scarlett

Johns Hopkins University
UC Santa Barbara
rdscarlett22@gmail.com

Tobias Schraink

New York University Sackler Institute
Jacobs University Bremen
tobi.schraink@gmail.com

Alexa Seda

Johns Hopkins University
DePaul University
aseda@mail.depaul.edu

Gloria Selva

University of Virginia School of Education
Florida International University
gselv001@outlook.com

Jean Serrano

Princeton University
UPR-Mayaguez
jean.serrano1@upr.edu

Gabriela Serrato Marks

University of Colorado Boulder
Bowdoin College
gserrato@bowdoin.edu

Sarah Seto

Weill Cornell Medical College
Johns Hopkins University
sseto1@jhu.edu

Imani Sharpe

Princeton University
North Carolina A&T State University
imani.n.sharpe@gmail.com

Amber Simmons

Weill Cornell Medical College
Hampton University
ambercsimmons@msn.com

Christine Slaughter

Princeton University
Spelman College
cslaughter93@gmail.com

Diandra Smith

University of Miami
Brooklyn College CUNY
smith.diandra@gmail.com

Daniel Soto

University of Pennsylvania
UPR-Rio Piedras
daniel.soto.j@gmail.com

Ayanna Spencer

Tufts University
Spelman College
ayanna.spen@gmail.com

Aris Springs

Yale University
Chaminade University of Honolulu
aris.springs@gmail.com

Khalifa Stafford

Weill Cornell Graduate School
Hunter College
khalifa.stafford89@myhunter.cuny.edu

Lyndsay Stapleton

Brown University
University of New Mexico
lstaplet@unm.edu

Phillip Stephens

University of Chicago
Morehouse College
phillip.c.stephens@gmail.com

Erica Sterling

New York University
Emory University
erica.sterling@emory.edu

Bethzaida Suarez

New York University Sackler Institute
UPR-Rio Piedras
suarez.beth@gmail.com

Sunil Suckoo

University of Chicago
Amherst College
ssuckoo16@uchicago.edu

Pooja Suresh

Washington University in St. Louis
University of Rochester
rsmith@wustl.edu

Steve Susanibar

Stanford University
New Jersey Institute of Technology
steves3142@gmail.com

D'Ondre Swails

Princeton University
Morehouse College
dswails@princeton.edu

Joshua Taliaferro

University of Pennsylvania
Princeton University
taliaferro.joshua.p@gmail.com

Nicole Tavernier

New York University Sackler Institute
Rutgers University
ntavernier@msn.com

Brandi Temple

Johns Hopkins University
Xavier University of Louisiana
branditemple21@gmail.com

Ephrath Tesfaye

New York University Sackler Institute
Cornell University
eft29@cornell.edu

Mikiko Thelwell

Hunter College
Barnard College
mgt2128@barnard.edu

Kenya Thomas

University of Chicago
Indiana University-Bloomington
kejthom@indiana.edu

Gwenaelle Thomas

University of Chicago
University of Maryland, Baltimore County
tgwen1@umbc.edu

Claire Tilton

Tufts University
Arizona State University
claire.a.tilton@gmail.com

Alanah Torre

Washington University in St. Louis
Chaminade University of Honolulu
alanah.torre@gmail.com

Milton Torres Cabán

University of Pennsylvania
UPR-Aguadilla
milton.torres2@upr.edu

Karina Torres Tristani

Johns Hopkins University
UPR-Rio Piedras
karina.torrestristani@gmail.com

Dorothy Tovar

University of Pennsylvania
UMass Amherst
dtovar@umass.edu

Jalesa Triggs

Dillard University
Dillard University
jalesa.triggs@dillard.edu

Savannah Turner

Harvard University
Wesleyan University
sturner@wesleyan.edu

Tia Tyndal

Harvard University
Florida International University
ttynd001@fiu.edu

Tayler Ulmer

Harvard University
Spelman College
tulmer@scmail.spelman.edu

Tania Uruchima

Columbia University
Swarthmore College
turuchi1@swarthmore.edu

Soleil Valentin

University of Chicago
UPR-Mayaguez
soleil.valentin@upr.edu

Juan Vargas

New York University Sackler Institute
Baylor University
juan_vargas@baylor.edu

Omayra Vargas-Morales

University of Pennsylvania
UPR-Mayaguez
omayra.vargas@upr.edu

Naomi Varnis

Columbia University
Brown University
naomi_varnis@brown.edu

Angelis Vazquez

New York University Sackler Institute
UPR-Rio Piedras
angelis_vazquez05@hotmail.com

Crismeldy Veloz

Brown University
Hunter College
crismeldyveloz12@gmail.com

Ariana Vera

Princeton University
Princeton University
ariariv@gmail.com

Germara Villalongo-Andino

Brown University
UPR-Mayaguez
germara.villalongo@upr.edu

Eduardo Villegas

University of Colorado Boulder
University of Arizona
evillegas@email.arizona.edu

Cristian Virrueta

University of Colorado Boulder
UC San Diego
cvirruet@gmail.com

Samantha Walker

Stanford University
Fordham University
swalker17@fordham.edu

Derek Walker

Columbia University
Amherst College
dewalker16@amherst.edu

Allison Wallace

Columbia University
UC Berkeley
awallace0@berkeley.edu

Amanda Ward

New York University Sackler Institute
University of Maryland, College Park
wardae@terpmail.umd.edu

Brianna White

Princeton University
Wellesley College
bwhite@wellesley.edu

LaQueena Williams

University of Pennsylvania
Claflin University
laquwilliams@claflin.edu

Azmar Williams

Princeton University
Yale University
azmar.williams@yale.edu

Jolie Wilson

Columbia University
Princeton University
jjwilson@princeton.edu

Derrick Wilson

Brown University
University of Oklahoma
derrick.r.wilson-1@ou.edu

Stephanie Wyche

Princeton University
Claflin University
stephanie.wyche@gmail.com

Gopal Yalla

Brown University
College of the Holy Cross
gryall15@g.holycross.edu

Nazanin Yeganeh Kazemi

Johns Hopkins University
University of Missouri-Kansas City
nyeganehkazemi@gmail.com

Alyssa Zannella

Stanford University
Providence College
azannell@friars.providence.edu

Jacquelyn Zehner

Harvard University, Division of
Medical Sciences
Claremont McKenna College
jzehner@gmail.com

Who's Who at the Symposium



Melixa Abad Izquierdo

Farmingdale State College

Melixa Abad Izquierdo earned a B.S. in Education from University of Puerto Rico- Rio Piedras Campus in 2002 and a Ph.D. in History from Stony Brook University in 2011. Dr. Abad Izquierdo's research interests include: modern Mexico, media, telenovelas (soap operas), and post-war urban development in Puerto Rico. Some of her publications include: "A Lachrymose Heroine for the Masses: The Origins of the Cinderella Plotline in Mexican Telenovelas, 1968-1973." In *Modernization, Nation-Building, and Television History*. Edited by Melissa Chakars and Stewart Anderson. New York: Routledge, Forthcoming.

She is a recipient of the SUNY Faculty Diversity Award (2013-2016) from the Office of Diversity, Equity and Inclusion. Dr. Abad Izquierdo participated in the Leadership Alliance SR-EIP in 2001 at Cornell University.



Adriana Alejandro-Osorio

Global Impact, Alejandro Consulting Group LLC

Adriana Alejandro-Osorio is the Director of Partnerships, Strategic Alliances and Campaign Engagement at Global Impact. She oversees the organization's nonprofit, corporate and public sector clients, working to deconstruct philanthropic challenges, identify key partnerships and solutions to meet their identified philanthropic goals. She is also the President and Founder at Alejandro Consulting Group, where she provides advisory services to identify, foster and implement innovative solutions to generate targeted investments, bridging organizations, strengthening their scientific communications plan and catalyze

results in the areas of global health, biotech, development and small startups. Dr. Alejandro-Osorio received her B.S. degree in Chemistry from the Universidad de Puerto Rico, Rio Piedras and her Ph.D. degree from the University of Wisconsin, Madison.



Jabbar R. Bennett

Brown University

Dr. Bennett serves as associate dean of the Graduate School, associate dean for diversity in the Division of Biology and Medicine, and clinical assistant professor of medicine at The Warren Alpert Medical School of Brown University. In the Graduate School he is responsible for recruitment and coordinating professional development activities for graduate students and postdocs. In the Division of Biology and Medicine Dr. Bennett oversees the recruitment and advancement of medical students, faculty and trainees who are members of underrepresented groups. Prior to joining Brown he served on the faculty

at Harvard Medical School and directed the Office for Multicultural Faculty Careers at Brigham and Women's Hospital. Previously, Dr. Bennett also served as Senior Director of Development for Life Sciences, Healthcare and Education Industry Partnerships with United Way of Massachusetts Bay (UWMB) in Boston, and as Research and Science Specialist in the Office for Diversity and Community Partnership at Harvard Medical School. Dr. Bennett received his B.S. in biology and minor in Spanish from North Carolina Agricultural and Technical (A&T) State University, and his Ph.D. in biomedical sciences from Meharry Medical College.



Anastacia Berzat

Novartis Institutes for BioMedical Research

Anastacia Berzat joined Novartis Institutes for BioMedical Research as a Scientific Program Manager following completion of a postdoctoral fellowship at Memorial Sloan-Kettering Cancer Center. Her work includes the development and implementation of training programs for young scientists. Prior to joining NIBR, Anastacia earned a BS in Biology from Florida A&M University and a PhD in Genetics and Molecular Biology from the University of North Carolina at Chapel Hill. As a recipient of graduate fellowships from the National Cancer Institute and UNC-CH, her work examined the molecular

mechanisms utilized by small GTPases in regulating cellular transformation. At Memorial Sloan-Kettering, Anastacia was awarded an American Cancer Society fellowship to investigate the role of Rho GTPases in driving glioma invasion under the guidance of Professor Alan Hall. Anastacia also completed a program management internship with the New York Academy of Sciences and served as an executive member on several postdoctoral advocacy councils during her fellowship.



Travis Boyce

University of Northern Colorado

Dr. Travis Boyce (2001 Yale University SR-EIP fellow) is an Assistant Professor of Africana Studies and Social Sciences. He holds a B.A. in History (2002) from Claflin University, a M.A. in History (2004) and a Ph.D in Cultural Studies (2009) from Ohio University. Dr. Boyce's area of expertise is in the history of education; particularly, college presidents at Historically Black Colleges and Universities (HBCUs) during the mid-twentieth century.

He has articles published in the Journal of Pan African Studies, Journal of African American Males in Education and the African American National Biography. He has reviewed books for the Journal of Negro Education and The South Carolina Historical Magazine and contributed chapters to edited books. In addition to his instructional and professional activities, Dr. Boyce serves as the vice-chair of the Liberal Arts Council, the co-editor for UNC's Undergraduate Research Journal (URJ), co-advisor to the Mortar Board Collegiate Honor Society, advisor to the Future Secondary Educators Alliance, and a Faculty in Residence (South Hall – 2013/14 academic year) for Housing and Residential Education.



Ashon Bradford

Cornell University

Ashon Bradford is a Ph.D. Candidate in Development Sociology at Cornell University. His research focuses on the transition from education to the labor market. Ashon is a graduate of Grambling State University (B.A. '08) and Cornell University (M.S. '12). His dissertation examines the interconnections between power, political dynamics and subjective understandings of success and the ways in which these factors shape the economic and social outcomes of low-income rural African Americans in the South. In 2012, Ashon was appointed to serve on the Graduate Diversity Council at Cornell to promote diversity

and inclusion among graduate students.

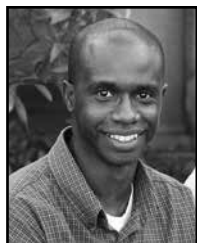


Elliott Brea

Weill Cornell/Rockefeller/Sloan-Kettering

As a student in the Weill Cornell/Rockefeller/Sloan-Kettering MD/PhD program, Elliott Brea is currently training to be a physician scientist with goals of pursuing both clinical and research activities. Elliot went to undergrad at the University of Illinois Urbana-Champaign, where he majored in Biochemistry and worked in the laboratory of Professor Chad Rienstra on determining protein structure. While he enjoyed basic science research, Elliott decided he wanted to combine clinical and basic science training together. He continued his training by enrolling in the Weill Cornell/Rockefeller/Sloan-Kettering MD/

PhD program. He joined the laboratory of Dr. David Scheinberg to work on targeting tumor antigens using antibodies. The project encompasses basic science techniques in molecular biology and immunology, and also a translational aspect with the goals of developing new therapies for patients with neoplastic diseases. Elliott's project specifically looks at discovering novel regulators of tumor antigen presentation using loss of function RNAi screens.



Joseph Brown

Stanford University

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



Don C. 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.



Brooke Bruthers

American Physiological Society

Brooke Bruthers is Senior Program Manager, Diversity Programs at the American Physiological Society. Her main responsibilities include developing, organizing, and implementing education projects and programs aimed at promoting diversity and career advancement among physiologists from underrepresented groups. This includes several undergraduate summer research fellowship programs (STEP-UP, STRIDE, and IOSP), Minority Travel Fellowship Awards, Steven M. Horvath Professional Opportunity Awards, Porter Physiology Development Fellowship program, and the K-12 Minority Outreach Fellowship program. She works extensively with both the Porter Physiology Development and Minority Affairs and the Women in Physiology Committees on these projects and regularly attends meetings and conferences to give presentations about these programs. In addition, she serves as the Chair of the Staff Recognition Committee. Ms. Bruthers received her B.A. degree in Liberal Arts from West Virginia University.



Bill Campbell

Campbell Grants & Research

Bill Campbell served the University of Wisconsin-River Falls as Director of Grants and Research for 20 years before retiring in 2010. Previously, he taught philosophy and directed academic assistance and honors programs at several institutions. He initiated and managed undergraduate research programs at two universities. He is the author of *The Power to Learn: Helping Yourself to College Success* (Wadsworth, 1991 & 1996) and the co-editor of *New Paradigms for College Teaching* (with Karl Smith; Interaction Books, 1996), presents regularly at conferences and institutes, and facilitates proposal-writing workshops. He has written hundreds of grant proposals, served the US Dept of Education as a proposal reviewer, and evaluated dozens of grant-funded projects and higher education programs. He has served the Council on Undergraduate Research as Councilor, Treasurer, and President. Today, Campbell helps higher education institutions write grant proposals, conducts external evaluations and program reviews, and consults on expanding and improving grants offices.



Ashley Conoway

University of Alabama at Birmingham

Ashley Conoway is a 2011 graduate of Xavier University of Louisiana and is beginning her third year at as Graduate Research Fellow in the Graduate Biomedical Sciences program at The University of Alabama at Birmingham in the Pathobiology and Molecular Medicine Theme. She is currently working in the Pharmacology and Toxicology Department with her mentor Robert van Waardenburg, PhD. Her research focuses on the study of the catalytic activity of Tyrosyl-DNA-Phosphodiesterase I. Ashley is a Howard Hughes Med-to-Grad fellow, as well as a Louis B. Stokes Bridge to Doctorate fellow. She has one publication in the Journal of Alcohol and Drug Research that was the result of her Leadership Alliance summer research under mentor, Dr. Suzzane delaMonte.



Arnaldo Diaz

University of Pennsylvania

Arnaldo Diaz is an Assistant Dean for Research Training Programs, Adjunct Assistant Professor of Pharmacology and the Associate Director of Recruitment and Special Programs at the Perelman School of Medicine, Biomedical Graduate Studies (BGS). Dr. Diaz works collaboratively with the Associate Dean, Administrative Director, and program faculty to develop and implement targeted outreach and recruitment strategies aimed at increasing the total number of students from under-represented backgrounds pursuing PhDs in biomedical graduate programs. Dr. Diaz also co-directs the Summer Undergraduate Internship Program (SUIP) and the Post-Baccalaureate Research Education Program (PennPREP), and is a member of the PhD Admissions Committee. Dr. Diaz received his B.S. degree in Chemistry from the University of Puerto Rico and Ph.D. degree in Biochemistry and Biophysics from Texas A&M University, and was a NIH Postdoctoral Fellow in Cancer Pharmacology at the University of Pennsylvania.



Mary Farwell

East Carolina University

Mary is Professor of Biology and Director of Undergraduate Research and has carried out research on apoptosis in non-cancer breast cells as well as oxidative stress in fish with Master's and undergraduate students. She has had grant funding from the NIH-AREA program as well as NC Sea Grant for her research. She was recently awarded an NSF S-STEM grant and is co-PI on a grant for STEM outreach for middle school girls. She teaches cell biology and biochemistry, as well as courses in mentoring (for graduate students) and research (for honors students). Mary has served on grant review panels for NIH and the American Heart Association. She has served as a Council for Undergraduate Research (CUR) Biology councilor and a facilitator for CUR's Proposal Writing Institute and Proposal Development Workshops. She received her ScB in Biology from Brown University and PhD in Biochemistry from UC-Berkeley.



Saul Fisher

Mercy College

Saul Fisher is Executive Director of Grants and Academic Initiatives, and Visiting Associate Professor of Philosophy, at Mercy College. Previously, he served as Interim Associate Provost for Academic Standards and Research. Before joining Mercy College, Fisher was Associate Provost and Adjunct Associate Professor of Philosophy at Hunter College (CUNY); Director of Fellowship Programs of the American Council of Learned Societies; and program officer at The Andrew W. Mellon Foundation, where his portfolio centered on instruction and curricular reform, information technology, and American universities abroad. Fisher received his AB in political science and philosophy from Columbia University, MA in philosophy from Rice University, and PhD in philosophy from the CUNY Graduate Center. He is recipient of Fulbright and Graham Foundation awards. He is a past president of HOPOS—the International Society for the History of Philosophy of Science and past chair of the American Philosophical Association's Committee on Non-Academic Careers.



Tiffani Fonseca

American Society for Microbiology

Tiffani Fonseca is the Fellowship Programs Coordinator in the Education Department of the American Society for Microbiology (ASM). She is responsible for four fellowship programs: the ASM/CDC Postdoctoral Research Fellowship, the ASM Robert D. Watkins Graduate Fellowship, the ASM Undergraduate Research Fellowship, the ASM-Undergraduate Research Capstone Program, along with the ASM Research Capstone Institute. Prior to working at ASM, she was the Outreach and Production Specialist/Program Coordinator at the Kuwait America Foundation and its affiliate (the Embassy of the State of Kuwait). Fonseca holds dual bachelor's degrees in Cognitive and Experimental Research in Psychology and Intercultural Communications. She has studied abroad in Accra, Ghana, and Roatan, Honduras, and conducted extensive research on blindsight, Parkinson's disease, Alzheimer's disease, and for the National Survey of Student Engagement Report among others.



Leslie Godo-Solo

Institute for the Recruitment of Teachers

Leslie Godo-Solo is the Associate Director of the Institute for Recruitment of Teachers (IRT). Ms. Godo-Solo 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 received an 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. Additionally, Ms. Godo-Solo has nine years of combined experience as a high school Spanish teacher and recruiter of undergraduate teacher education candidates. Currently, as the Associate Director of IRT, Mrs. Godo-Solo plays an integral role in recruiting and counseling talented students who are preparing for graduate school admission. She is deeply passionate about educational access, mentoring, and programs that ensure students' success in graduate school.



Ruth Gotian

Weill Cornell/Rockefeller/Sloan-Kettering

Ruth Gotian is the Administrative Director of the Weill Cornell/Rockefeller/Sloan-Kettering Tri-Institutional MD-PhD Program for nearly 17 years. She's worked with students in the undergraduate, graduate and post graduate levels, as well as faculty and government officials at all levels. She's worked on higher education issues on the local, regional, national and international levels. She received her B.S. and M.S. in Business Management from the University at Stony Brook in New York and is currently pursuing certificates in Executive Leadership and Managing for Execution via Cornell University. Since joining the staff of the Tri-Institutional MD-PhD Program, Mrs. Gotian has seen the size of the program increase by over 40%, the number of applications to their MD-PhD Program has increased by 40% and the number of underrepresented minority students in their program has doubled and is now one of the highest in the country. Mrs. Gotian also oversees the unique summer program for pre-MD-PhD students, Gateways to the Laboratory Program. She is also very active on the national MD-PhD Program scene, as she served on the National MD-PhD Steering Committee of the Association of American Medical Colleges (AAMC) and is on the National MD-PhD Communications Committee.



Michelle M. Grundy

Vanderbilt University

Assistant Professor of Medical Administration, Dr. Michelle Grundy serves as Assistant Director of the Medical Scientist Training Program (MSTP) and Assistant Director of Graduate Programs in Biomedical Sciences at Vanderbilt University School of Medicine. Dr. Grundy earned her Ph.D. in 2000 from the Department of Microbiology and Immunology at Vanderbilt University. Dr. Grundy is primarily responsible for student recruitment and directing the admissions process for the Ph.D. programs and MD-PhD Program in the medical school. Dr. Grundy serves as an active member of the MD-PhD

admissions committee, serves on the MSTP Leadership Team and in an advisory role for the MSTP Student Advisory Committee (SAC). As an advisor to the MSTP SAC, Dr. Grundy has co-lead a subcommittee to evaluate and revise our advising system as well as co-leading a subcommittee to develop programming to assist our students in identifying and securing external funding sources during their graduate studies.



Sonya Gwak

University of Pennsylvania

Sonya Gwak is the Director for Graduate Admissions and the Director for Student Life for the School of Engineering and Applied Science at the University of Pennsylvania. In her dual capacity, Dr. Gwak oversees student affairs from recruitment to graduation for all graduate students. Dr. Gwak received her B.A. degrees in English and Design of Environment, her M.S.Ed in Intercultural Communication, and Ph.D. in Education all from the University of Pennsylvania.



Mark Hernandez

University of Colorado

Mark Hernandez received all his degrees, and did a post-doctoral tenure in the Civil and Environmental Engineering Department at the University of Colorado at Berkeley. After several years of civil engineering practice, he joined the University of Colorado faculty in 1996, where he is now a full professor. Dr. Hernandez is a registered professional engineer, and maintains a modest consulting practice based on a generation of his research which lies in characterizing the biological aspects of air pollution – both indoors and out. An expert on the quantitation and remediation of bioaerosols, his research group has most recently focused on determining design metrics for large scale aerosol disinfection systems using novel HVAC designs, UV, and weak electric fields. Outdoor aerobiological characterization work has focused on large scale disasters including bioaerosols generated by major metropolitan floods, the quarantined City of New Orleans following Hurricane Katrina, and coastal Louisiana following the deep water Horizon oil spill. Dr. Hernandez is currently a member of National Research Council committees to review risk assessments of biological warfare laboratories maintained by the US military, and the US Department of Homeland Security Agricultural Defense facilities.



Sara Xayarath Hernandez

Cornell University

Sara Xayarath Hernández is the Director of the Diversity Programs in Engineering (DPE) at Cornell University office, which operates programs at the precollege, undergraduate, graduate, and faculty levels to facilitate the outreach, recruitment, retention, and overall success of underrepresented minorities, women, and other underrepresented groups in Engineering. As director of DPE, Hernández provides leadership on diversity initiatives across the college. She also serves as the Co-PI for Cornell's Alfred P. Sloan Foundation supported Sloan Minority PhD Program and for Cornell's National Science Foundation supported Louis Stokes Alliance for Minority Participation (LSAMP) and STEM Talent Expansion (STEP) Programs. Additionally, Hernández serves as a Regional Specialist for the Institute for Broadening Participation and supports their outreach work with STEM students. Hernández is a first generation college student and holds a Bachelor of Arts in Zoology from Ohio Wesleyan University and a Master of Regional Planning from Cornell University.



Karen Jackson-Weaver

Princeton University

Dr. Karen Jackson-Weaver is the Associate Dean of Academic Affairs and Diversity at Princeton University's Graduate School. Prior to her post at Princeton, she served as the Executive Director of the New Jersey Amistad Commission. Dr. Jackson-Weaver's area of specialization is 20th century African-American history, with a focus on women's leadership roles in Modern America. She has been a Research Fellow at the Institute for Research in African-American Studies at Columbia University and a faculty member at the Institute of Youth Ministry at Princeton Theological Seminary. Dr. Jackson-Weaver earned her Bachelor of Arts degree from Princeton University, where she majored in American History. Upon graduation from Princeton, Dr. Jackson-Weaver attended Harvard University where she received a Specialized Master's Degree in Education. She holds a Doctorate of Philosophy in American History from Columbia University, where she was a Kluge Scholar Fellow, Merit Dissertation winner and nominee for the university-wide teaching award.



Blair Jenkins

Columbia University

Blair Jenkins is an MD/PhD student at Columbia University. She grew up in Ann Arbor, Michigan and subsequently went on to earn a Bachelor of Science in Neuroscience from Yale University in 2009. After teaching middle school science for two years in New York City and earning a master's degree in teaching, she matriculated into the Medical Scientist Training Program at Columbia. She has completed two years of medical school and recently finished her first year in the laboratory. Her research project focuses on elucidating the molecular and neurophysiologic mechanisms that underlie our sense of touch. Outside of the lab, she is a participant in education volunteer programs, including Columbia University Neuroscience Outreach (CUNO), which aims to expose students of all ages in New York City to the diverse multitude of neuroscience research at Columbia.



Marcus B. Jones

J. Craig Venter Institute (JCVI)

Dr. Marcus Jones is an Assistant Professor within the Infectious Disease group at JCVI, where his research interests include characterizing host-pathogen interactions and antibiotic resistance. Dr. Jones is also responsible for managing a section of a research contract from the *Pacific Northwest National Laboratory* for characterizing the transcriptome of *Yersinia pestis* and *Salmonella enterica*. Dr. Jones received his B.S. degree at Southern University and A&M College in Baton Rouge, LA in 2000, and his Ph.D. in Microbiology in 2005, studying in the laboratory of Dr. Martin J. Blaser in The Sackler Institute at New York University School of Medicine. Dr. Jones did his post-doctoral training at The Institute for Genomic Research (TIGR) from 2005-2006 in the laboratory of Dr. Scott N. Peterson in the Pathogen Functional Genomics Resource Center (PFGRC).



Arlene Kohler

New York University

Arlene Kohler has been affiliated with the MD PhD Program at New York University for over 37 years. Currently working with her seventh Director of the Medical Scientist Training Program (MSTP), her longevity in the position has earned her the honorific title of "Queen" among administrators and Directors of MST Programs nationwide. While attending evening classes at NYU's School of Continuing and Professional Studies, Ms. Kohler worked for the MSTP at NYU. She earned her B.A. in American Studies and Literature graduating with honors. Her accumulated wisdom and tireless hard work make her the de facto ombudsman for students, faculty and administrators alike.



Luis Martinez

New York University

Luis Martinez was born and raised in Puerto Rico, and moved to the United States to attend Harvard University. He graduated in 2008 with an A.B. in biochemical sciences and a secondary field in economics. After graduation, Luis worked at a commodities trading firm as part of the coffee platform. Although he found the work exciting in many ways, Luis began missing scientific research. This drove him to contact Dr. Colón-Ramos at Yale University for guidance on his future steps. Thanks to the opportunity extended to him by the NIH through the Diversity Supplement, Luis was able to spend two years in Dr. Colón-Ramos's lab studying synaptogenesis. Currently, he is a fourth year MSTP student at New York University in the laboratory of Dr. Niels Ringstad. For his thesis project, Luis is determining the function of a gene essential for photoreceptor neuron viability by studying its homolog in *C. elegans* chemosensory neurons.



Caryl McFarlane

Woodrow Wilson National Fellowship Foundation

Dr. Caryl McFarlane is the Senior Program Officer and Director of the Andrew W. Mellon and the Thomas R. Pickering Programs at the Woodrow Wilson National Fellowship Foundation in Princeton, NJ. Before beginning her work at the Foundation, Caryl was involved in numerous activities in the larger Princeton community including teaching 20th Century African Diaspora literature at Princeton Day School, teaching composition and African Diaspora literature at Rutgers University, working as a test writer for ETS, working as a coordinator with Upward Bound, teaching a variety of courses for women in her local community, and recruiting, developing and training teams for work with impoverished youth in the Caribbean. She completed her undergraduate degree at Queens College of the City University of New York (CUNY) and was a recipient of numerous awards and honors including her selection as an awardee for the prestigious Mellon Mays Undergraduate Fellowship (MMUF) and her selection as the commencement speaker. She completed her doctoral studies in 20th Century African Diaspora Literature at Rutgers University (New Brunswick) funded, in part, by a NJ Minority Advancement Award.



Chinonye Nnakwe

University of Chicago

Chinonye "Chi-Chi" Nnakwe is the Director of Graduate Diversity Recruitment at the University of Chicago. In her position, she collaborates with faculty, students and administrators in all divisions and professional schools to create, enhance, revise and execute a strategy for recruiting students from underrepresented backgrounds. In addition to her outreach work, Dr. Nnakwe is also building curricula and a research agenda that address educational disparities among underrepresented groups in higher education. Dr. Nnakwe received her B.Sc. in Biochemistry with Distinction in the Curriculum from the University of Illinois at Urbana-Champaign and her Ph.D. in Pathology, with a concentration in Cancer Biology and Yeast Genetics from the University of Chicago.



Christine O'Brien

National Academy of Science

Chris O'Brien received her BS degree at St. Joseph's University and a Master of Arts degree in Education at Villanova University. Chris taught for six years in the parochial school system of the Archdiocese of Philadelphia before working in fellowship program administration at the National Academies in Washington, DC. Chris' program oversight has included privately and federally funded fellowship programs at the predoctoral, dissertation, and postdoctoral levels. Since 1979, her responsibilities have been primarily in the administration of Ford Foundation Fellowships designed to increase and foster diversity as a teaching tool in higher education. Along with a colleague, Chris created the Fellowship Roundtable in 1995. This biannual meeting brings together fellowship administrators whose goal is to share best practices and discuss innovations in the administration of fellowships. The Fellowship Roundtable is in its 18th year of serving as a resource to fellowship administrators.



Joel Oppenheim

New York University School of Medicine

Dr. Joel D. Oppenheim is a Professor Emeritus at the Sackler Institute of Graduate Biomedical Sciences at NYU School of Medicine. In these positions he oversees all PhD (>320 students) and Postdoctoral (>800) trainees and graduate research training programs. He has served on the NYU School of Medicine's MD and MD-PhD. Admissions Committees and chairs the Ph.D. Admissions Committee for the past 20 years. He is the founder and director of the NYU's Summer Undergraduate Research and Postdoctoral Programs, and the founder of the "What Can You Be With a PhD?" Symposium, 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 nation's highest mentoring awards. Dr. Oppenheim was also one of the founding members of the Leadership Alliance in 1992.



Chenere Ramsey

Hampton University

Dr. Chenere P. Ramsey obtained a B.S. in Chemistry from Hampton University and subsequently entered the Neuroscience doctoral program at the University of Pennsylvania where she studied to elucidate molecular mechanisms underlying Parkinson's disease pathogenesis. While at Penn, in addition to conducting research, Ramsey served as president for two student organizations (Ernest E. Just Biomedical Society and BGAPSA), allowing her to facilitate various diversity recruitment and retention initiatives.

After completing her Ph.D., Ramsey obtained an IRACDA postdoctoral fellowship through the Emory University FIRST program where in addition to continuing Parkinson's disease research and teaching several undergraduate courses, she continued to focus on recruitment and retention efforts, serving on the FIRST program executive committee and founding a postdoctoral peer mentoring program. In 2013, Ramsey became a tenure-track faculty member in the Department of Biological Sciences at Hampton University but recently transitioned out of her faculty position to develop a non-profit organization aimed to enhance the professional development of individuals who are interested in science careers, especially those from underrepresented backgrounds.



Nancy Schwartz

University of Chicago

Dr. Nancy Schwartz is Associate Dean for Postdoctoral Affairs and Co-director of the Office of Graduate Affairs, having served as Dean for Graduate and Postdoctoral Affairs in the Division of Biological Sciences for more than 25 years. She has served on several NIH study sections, foundation review boards and editorial boards, the AAMC-GREAT Steering Committee, Chair of both Graduate Deans and Postdoc Leaders groups, and the Founding Advisory Board of the NPA. She is director of the Kennedy Research Center, the NICHD MD-PhD training Program, HHMI Med into Grad Program,

and NIGMS Post-bac (PREP). She has had continuous NIH R01 research funding, received both a MERIT award and a Mentor of Excellence from NIH, and is Director of an NIH Program Project and a P30 Center. Dr. Schwartz's functions and responsibilities in graduate and postdoctoral education and program administration have focused on evolving and complex educational needs of emerging researchers in the life sciences.



Pamela Scott-Johnson

Morgan State University

Pamela E. Scott-Johnson is Chair and Associate Professor in the Department of Psychology, and Interim Dean of the College of Liberal Arts at Morgan State University. Dr. Scott-Johnson's research seeks to examine the gender differences in psychosocial factors that impact health and wellness. She has been an active participant with the American Psychological Association Education and Science Directorates, Project Kaleidoscope/Faculty for the 21st Century, and the Association of Heads of Departments of Psychology (AHDP). She served on a number of review panels within the academic and funding agencies. Prior to her academic affiliations, Dr. Scott-Johnson worked in the food industry as a senior research scientist. Dr. Scott-Johnson held memberships in the Society for Neuroscience, Faculty for Undergraduate Neuroscience (FUN; councilor), the American Psychological Association, and the Association for Chemoreception Sciences (ACChemS). She earned a B.A. degree in Psychology and graduated magna cum laude from Spelman College in 1982, and an M.A. and Ph.D. in Psychology and Neuroscience from Princeton University.



Jean Shin

American Sociological Association

Dr. Jean H. Shin is Director of the Minority Affairs Program at the American Sociological Association. He joined the ASA staff in 2006 from McDaniel College in Westminster, MD, where he was Associate Dean of Academic Affairs for First Year Students and Associate Professor of Sociology. He received his B.A. from the University of Virginia and his M.A. and Ph.D. from Indiana University-Bloomington. At ASA, he directs the Minority Fellowship Program (MFP), now celebrating its 40th year, in addition to working with diversity-related committees, higher education and science policy initiatives, and all student programs including high school sociology. He has been a co-Principal Investigator on research grants from the National Science Foundation on the importance of mentoring and networks for STEM scholars from underrepresented groups as well as the diffusion of innovation in STEM teaching materials. He is a founding member of the Collaborative for Enhancing Diversity in Science (CEDS).



David Stout

Brown University

David Stout is a visiting Researcher at Brown University where he received his PhD in the field of Biomedical Engineering. David has been appointed Assistant Professor, Department of Mechanical & Aerospace Engineering, California State University, Long Beach. Dave investigates 3D cell migration and force formation of non-tissue dependent cells (i.e. neutrophils etc.) to understand cancer clustering and metastasis, and many other disorders and diseases. During Dave's graduate career he has received the National Science Foundation (NSF) Graduate Student Fellowship (GFRP), Indo-US Science and Technology Forum (IUSSTF) Research Fellowship twice, Brown University Open Graduate Programs Fellowship and the Brown University Graduate School International Research Fund. Currently Dave has published over 8 first author peer-reviewed articles, 2 book chapters, presented on 5 continents and an executive member of over 5 committees. Dave is a lifetime member of Sigma Xi, Tau Beta Pi and the California Scholarship Federation. Dave received his BSc degree in Aerospace Engineering and Chemistry from California State University, Long Beach.



Brian Sullivan

Washington University in St. Louis

Mr. Sullivan is the Executive Director of the Medical Scientist Training Program at Washington University in St. Louis. He was a founding officer of the MD-PhD Section of the AAMC GREAT Group; he also serves as the Secretary-Treasurer of the National Association of MD-PhD Programs. In 2002, Mr. Sullivan established BioMedRAP, a summer research program for minority and disadvantaged undergraduates. Mr. Sullivan earned a B.A. in Political Science and a M.A. in Spanish Literature from St. Louis University. He also earned a M.B.A. from Washington University in St. Louis.



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 Assistant Dean for Diversity and Minority Affairs 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 sits on the admissions committees for the life science PhD programs as well as the MD/PhD program.

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. 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.



Aileen Walter

National Action Council for Minorities in Engineering

Aileen Walter serves as vice president of University Programs at the NACME. In this capacity, she manages NACME scholarship programs and scholarship management services. Walter successfully directed NACME's scholarship efforts (1990-1999), managing the growth of the Corporate Scholars Program and laying the groundwork for our NASA partnership and alumni outreach activities. In 1994, she received an "Outstanding Contribution" award for her work. Walter has more than 20 years of experience in scholarship management, having served as director of financial aid at the Stevens

Institute of Technology prior to joining NACME. She is a long-time member of the National Association of Financial Aid Administrators, and has served on the boards of the American Indian Science and Engineering Society, the National Society of Black Engineers and the Society of Hispanic Professional Engineers. Walter holds a B.A. in English Literature from Montclair State College and a M.A. in Higher Education Administration from New York University.



Jodi Wesemann

American Chemical Society

Jodi Wesemann is the Assistant Director for Educational Research at the American Chemical Society. She previously served as Assistant Director for Higher Education, working with the Undergraduate Programs Office, the Graduate & Postdoctoral Scholars Office, and the Office of Two-Year Colleges. Prior to joining ACS staff, she was Associate Professor of Chemistry at Saint Mary's College of California. She earned her B.A. in chemistry from Augustana College in Rock Island, IL and Ph.D. in inorganic chemistry from Indiana University-Bloomington. She was a Fulbright Fellow at Universität Braunschweig, Germany

and a postdoctoral fellow at Harvey Mudd College supported by the Camille and Henry Dreyfus Foundation Scholar/Fellow Program for Undergraduate Institutions. She has held various volunteer positions for ACS, the Association for Women in Science, and the Council on Undergraduate Research, which published *Broadening Participation in Undergraduate Research: Fostering Excellence and Enhancing the Impact*, a book she co-edited with Mary K. Boyd.



George L. Wimberly

American Educational Research Association

George L. Wimberly is the Director of Social Justice and Professional Development at the American Educational Research Association (AERA). In this position he develops and implements programs to enrich research skills, expand knowledge, and build research capacity among graduate students and early career scholars. He manages the AERA dissertation and postdoctoral fellowship programs, provides national exposure to these fellowship opportunities, and works directly with grantees and their institutions. Through his work in science education policy, he collaborates with associations

and research societies to enhance diversity among scientists and the research topics they examine. He is currently the Co-principal investigator on the National Science Foundation funded project, Advancing Knowledge and Building the Research Infrastructure in Education and STEM Learning. Dr. Wimberly earned his A.M. and Ph.D. in sociology from the University of Chicago where his research focused on African American students' educational attainment.

The Leadership Alliance Executive Office Staff



Medeva Ghee
Executive Director

Dr. Medeva Ghee, a graduate of North Carolina State University with a bachelor's degree in zoology, earned her M.S. and Ph.D. in microbiology from New York University School of Medicine. Her postdoctoral research was conducted in Paris, France with a team of researchers associated with the National Center for Scientific Research (CNRS), where she employed biochemical and gene therapy technologies to investigate the impact of protein aggregation in Parkinson's disease. In 2005, Dr. Ghee worked with the Clinton Foundation as a Laboratory Systems Specialist for the HIV/AIDS Initiative. In this capacity, she provided technical assistance and strategic advice on the development of laboratory plans and systems to support national HIV/AIDS prevention care and treatment programs in the Initiative's partner countries in Sub-Saharan Africa. Dr. Ghee joined the Leadership Alliance in 2006 and was appointed the Executive Director of the Leadership Alliance in July 2011. Dr. Ghee also has a teaching appointment in the Department of Behavioral and Social Sciences at Brown University where she has developed a course that leverages multidisciplinary approaches to support HIV/AIDS care and treatment programs in Sub-Saharan Africa. Actively engaged in research aimed at mentoring and supporting students through critical transitions along the academic pathway, Dr. Ghee has been invited to serve as an external consultant for federal mentoring programs and has given keynote lectures regarding mentoring strategies for graduate students, postdoctoral fellows, faculty members and senior administrators. At Brown, she serves as a mentor for both undergraduates and graduate students. Her mentoring efforts were honored by the Samuel M. Nabrit Black Graduate Student Association with the Ruth J. Simmons Award for Leadership.



Deborah Collins
Associate Director

Dr. Deborah Collins received her Ph.D. in educational research and policy analysis from Virginia Tech in 1984. While at Virginia Tech, she was Co-Director of Virginia's statewide evaluation of vocational education, as well as Co-Project Director for two national research projects funded through the National Center for Research in Vocational Education at UC Berkeley/Virginia Tech. Dr. Collins further collaborated with the sociology department to create and administer the Virginia Tech Center for Survey Research, where she worked with researchers and policy analysts across multiple disciplines to pursue and support funded research and regional public policy initiatives. Dr. Collins came to Brown University in 1997 as the Director of Research and Evaluation for the federally funded Northeast and Islands Regional Educational Laboratory (LAB). Housed at Brown for 10 years, she oversaw the LAB's research and evaluation design, methodological applications, data collection and analysis of large scale national and longitudinal projects as well as local and regionally based studies. During her tenure at the LAB, the research and evaluation division annually fielded up to 20 contract and grant initiatives, including multi-year national research awards through NSF, NIH and the U.S. Department of Education. Joining the Leadership Alliance in 2011, Dr. Collins brings 30+ years of evaluation expertise and experience to bear on outcome monitoring and evaluation activities to inform ongoing program improvement and impact.



Barbara Kahn
Coordinator for Graduate and Undergraduate Programs

Barbara Kahn is the Coordinator for Graduate and Undergraduate Programs for the Leadership Alliance. In this capacity, she coordinates the combined application process for the 21 undergraduate summer research sites and supervises the Alliance summer research program at Brown University. Prior to her appointment with the Leadership Alliance, Ms. Kahn was part of the professional development team at Brown University's Annenberg Institute for School Reform, a center promoting quality education in urban communities. She came to Brown University from Chaffee & Partners, a public relations and advertising firm in Providence, R.I. Ms. Kahn holds a B.S. in Education from Boston University.



Maria DoVale
Coordinator for Professional Development and Networking

Maria DoVale is the Coordinator for Professional Development and Networking for the Leadership Alliance. In this capacity, Ms. DoVale is responsible for professional development and networking activities to expand program knowledge and opportunities across the Leadership Alliance communities and its partners. She is also the ex officio member of the Symposium Planning Committee. 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.



Karina Evora

LANS Project Assistant

Karina Evora earned her bachelor's degree at the University of Miami in 2012 after transferring from Bryant University. This summer will mark her third year working with The Leadership Alliance as the LANS Project Assistant. She has most recently worked with the Brown University chapter of the College Advising Corps. In this role, she offered assistance to the students of Charles E. Shea High School in Pawtucket. This work was specific to guiding students through the college application process but also to building awareness and a college going culture among underclassmen. Though she graduated with a concentration in Economics, she developed a strong desire to

work in the realm of education after several related experiences throughout her undergraduate career; namely the Upward Bound Program at Rhode Island College and the Kalulu Program with the University of Miami. These experiences have led to her position with the College Advising Corps and have played a large role in her decision to attend Vanderbilt University to obtain her M.Ed in Higher Education Administration, starting August 2014.



Clara Weishahn

Project Assistant

Clara Weishahn is a Project Assistant at the Leadership Alliance. In addition to providing administrative support to the Executive Office, she directs the Alliance's promotional videos and manages website media campaigns and maintenance. Before coming to the Leadership Alliance, Ms. Weishahn was a Legal Assistant in Portland, Oregon and assisted the Human Resources and Capital Campaign departments at Portland Center Stage. Clara is an actor and director who collaborates with East and West coast companies and artists. In Rhode Island, she works with the Gamm Theatre, Wilbury Theatre Group, Strange Attractor Theatre Company, Elemental Theatre Collective, Artists'

Exchange, Manton Avenue Project, Providence College Departments of Theatre and Music, and Brown University Opera Productions. Originally from Alaska, Ms. Weishahn earned a B.A. in Theatre from Portland State University in Portland, Oregon.



St. Jude Children's Research Hospital is a non-profit biomedical research institution in Memphis, TN, where 190 basic science and clinical researchers investigate the molecular basis of both normal cellular and diseased processes.

St. Jude Children's Research Hospital congratulates The Leadership Alliance on twenty-two years of success, and Leadership Alliance Alumni for their achievements. St. Jude is proud to recognize those Alumni who have completed Postdoctoral Fellowships at St. Jude:

Denise Davis, Ph.D., (Yale University),
Former St. Jude Postdoctoral Research Associate, current Postdoctoral Fellow at University of North Carolina at Chapel Hill, NC

Nikia Laurie, Ph.D., (Brown University),
Former St. Jude Postdoctoral Research Associate, current faculty at Northwestern University, Evanston, IL

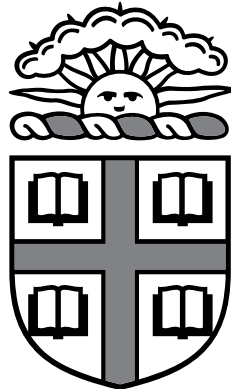
Rachelle Salomon, Ph.D., (Brown University),
Former St. Jude Postdoctoral Research Associate, current Basic Research and Diagnostics Program Officer, National Institute of Allergy and Infectious Diseases, Bethesda, MD

Aisha Walker, Ph.D., (Medical College of Georgia),
Former St. Jude Postdoctoral Research Associate, current faculty at Texas Woman's University, Denton, TX

Candace E. Wicks (née Carroll), Ph.D., (University of Missouri, Columbia),
Former St. Jude Postdoctoral Research Associate, current faculty at Hardin-Simmons University, Abilene, TX

We hope you will consider St. Jude Children's Research Hospital for the next step in your research career, where your success is limited only by your imagination, and where your research can make a difference in the fight against childhood diseases.

Meet postdoctoral recruiters and learn about St. Jude postdoctoral programs at the Recruiting Fair, or contact us at postdoc@stjude.org.



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Annual Biomedical Research Conference for Minority Students (ABRCMS)



ABRCMS works to advance undergraduates and postbaccalaureates from underrepresented populations in science, technology, engineering and mathematics (STEM) along the path toward graduate-level training. The conference features scientific sessions, professional development workshops, 1,700 poster and oral presentations, and approximately 325 exhibit booths showcasing summer research opportunities, graduate schools and postdoctoral fellowships.



Henry B. Gonzalez
Convention Center

2013 ABRCMS Attendees by Location



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Available to undergraduate and postbaccalaureate presenting students

| Type of Award | Award Covers |
|-----------------------|---------------------------------------|
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Important Deadlines

| | |
|------------------------------------|--------------------|
| Abstract Submission | September 5, 2014 |
| Travel Award Application | September 5, 2014 |
| Judges' Travel Subsidy Application | September 26, 2014 |
| Discount Registration | October 21, 2014 |

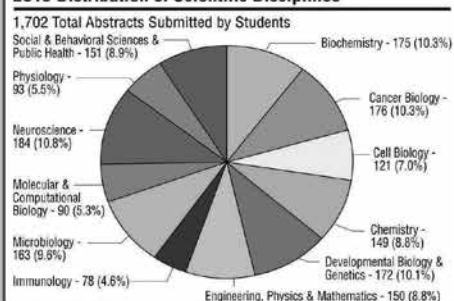
Call for Reviewers & Judges

- Over 400 abstract reviewers and judges are needed
- Postdoctoral scientists, faculty, and program directors are eligible
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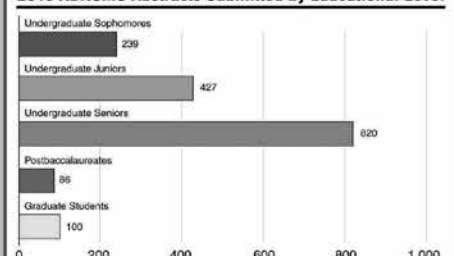
Call for Abstracts

- Must be an undergraduate sophomore, undergraduate junior, or senior; postbaccalaureate student; or graduate student as of November 12, 2014
- Must have conducted research, used experimental methods/ methodology and developed results in one of the 12 ABRCMS scientific disciplines

2013 Distribution of Scientific Disciplines



2013 ABRCMS Abstracts Submitted by Educational Level



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Symposium 2014 Planning Committee

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|---------------------------|--|
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(Chair) | Associate Dean, Graduate School
Associate Dean, Division of Biology and Medicine
Director, Office of Diversity and Multicultural Affairs
Clinical Assistant Professor of Medicine, The Warren Alpert Medical School
Brown University |
| Earnestine Baker | Ret. Assistant to the Vice President, Institutional Advancement
Executive Director of the Meyerhoff Scholarship Program
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| Rahmelle Thompson | Director, Dr. John H. Hopps Research Scholar Program
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| Maria DoVale | <i>Ex Officio Member</i>
Coordinator for Professional Development and Networking
Leadership Alliance Executive Office |

Leadership Alliance Staff

| | |
|-----------------|---|
| Medeva Ghee | Executive Director |
| Deborah Collins | Associate Director |
| Barbara Kahn | Coordinator for Graduate and Undergraduate Programs |
| Maria DoVale | Coordinator for Professional Development and Networking |

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