Inspiring the Next Generation for Success

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

LEADERSHIP ALLIANCE NATIONAL SYMPOSIUM 2014

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Brown University
Chaminade University of Honolulu
Clark University
Columbia University
Cornell University
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Howard University
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Montana State University—Bozeman
Morehouse College
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University of Miami
University of Pennsylvania
University of Puerto Rico
University of South Florida
University of Virginia
Vanderbilt University
Washington University in St. Louis
Xavier University of Louisiana
Yale University

Associate Member

Novartis Institutes for BioMedical Research

Executive Office
Box 1963 • 133 Waterman Street • Providence, RI 02912
401-863-1474 • www.theleadershipalliance.org
Welcome to the 2014
LEADERSHIP ALLIANCE NATIONAL SYMPOSIUM

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!

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!

Medeva Ghee
Executive Director

Jabbar Bennett
Chair, Symposium Planning Committee

Symposium 2014 Planning Committee

Jabbar Bennett
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
University of Maryland – Baltimore County

Luis Raul Camara Fuertes
Director, Honors Program
University of Puerto Rico, Rio Piedras

Marcus Jones
Assistant Professor
J. Craig Venter Institute
Doctoral Scholar Advisor

Florence Kempner
MARC Program Coordinator
Brooklyn College

Andrea Morris
Assistant Dean for Academic Diversity
Columbia University

Chinonye Nnakwe
Director of Graduate Diversity Recruitment
University of Chicago
Doctoral Scholar Advisor

Rahmelle Thompson
Director, Dr. John H. Hopps Research Scholar Program
Morehouse College

Maria DoVale
Ex Officio Member
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

The Leadership Alliance National Symposium is made possible through grant T-36 GM-063480 from the National Institutes of Health’s Minority Access to Research Career Program of the National Institute for General Medical Sciences.
Inspiring the Next Generation for Success

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### Symposium At-A-Glance

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

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
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, 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).
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-Rosa .......................... 4:45 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 Martinez, University of Pennsylvania
BB

Vania Alfaro ................................. 2:45 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, Molecular Processes and Genetics, Biochemistry
BB Basic Biosciences, Human Biology & Disease, Public Health, Biomedical Engineering
EN Engineering, Mechanical, Electrical & Materials Engineering
ES Earth Science, Environment Sciences, Geosciences, Marine Sciences
HU Humanities, Literature, Language Arts, History, Media
PE Policy & Ethics, Politics, Policy & Legislation, Ethics, Philosophy & Reasoning
PS Physical Science, Chemistry, Math, Physics, Computer Sciences, Computer Engineering
SS Social Science, Sociology, Economics, Psychology, and Behavior Sciences
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
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 Beckford ....................... 12:15 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

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 Mediterranee

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

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

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

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

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

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: Xiangi-Xi Xu, University of Miami;
Elizabeth Smith, University of Virginia - BioMedical Sciences

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

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

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 Mary's 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 Cotera ....................... 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 Santos ................. 3:30 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 deMeireles .........................3:45 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

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

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

Amarachi Ejiawoko......................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

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

Jalila Elfejji .............................. 3:15 PM, Westover
Presentation Title: Experimental Testing and Analysis of a Beam-Column Connection on Liquefable 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

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

Esther Exantus .........................3:15 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

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

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

Vanella 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

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

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

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

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

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

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

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

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

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

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

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 Hernandez ............................5:45 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
   HU

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 Neurotropic Factor (BDNF) Signaling
   Research Mentor: Michael Garabedian
   Research Institution: New York University Sackler Institute
   Home Institution: Jacobs University Bremen
   Co-Authors: Michael Garabedian 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 Idassi .................................4:00 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 Irvine .................................11:15 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 Eglf7 Overexpression in Placental Vasculature
Research Mentor: Heidi Stuhlmann
Research Institution: Weill Cornell Graduate School of Medicine
Home Institution: Claflin University
Co-Authors: Heidi Stuhlmann, Lauretta 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
HU

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 Yoshiko 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 Lee .............................. 5:30 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 Rodriguez-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

Megan Marshall .........................12:15 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

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

Jesus Martinez-Gomez ...............11:15 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

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

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

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

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

Brianna 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

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

Luis Munoz ............................ 11:30 AM, Elm I
Presentation Title: The Regulation of TITE2 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 Cathopoulis, University of Pennsylvania

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

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

Vesta Nwankwo ....................... 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

Angie Ocampo .......................... 3:30 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

Christopher Odudu ..................... 12:00 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
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 Okeke ............................. 5:15 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 Ontiveros ..................4:00 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

Tayler Pauls .................................. 5:30 PM, Elm I

Presentation Title: Interactions between Disordered Proteins, p53 and BRCA1 C-terminus 2 and C-terminus 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 Peabody ...........................11:30 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 Pelier ............................. 3:30 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 Perea ........................................4:00 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-Cardé ............... 5:30 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 Figueroa ............. 11:45 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 Saldivar
Research Institution: Stanford University
Home Institution: Dartmouth College
Co-Authors: José David Saldivar, 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

**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

**Anisleidys Rivero** .......................... 4:45 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

**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

**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

**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

**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

**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

**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

**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

Michael Samuels-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

Meredith Ross
2:45 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

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

Karina Ruiz-Esteves
3:30 PM, Glen II
Presentation Title: Role of Differentially Methylated Nuclear Receptors in Melanoma Progression
Research Mentor: Eva Hernandez-Monge
Research Institution: New York University Sackler Institute
Home Institution: UPR-Mayaguez
Co-Authors: Veronica Davalos-Vegas and Eva Hernandez-Monge, New York University Medical Center

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

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

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

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

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
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

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
Home Institution: Jacobs University Bremen
Co-Authors: Joel Belasco and Monica Hui, New York University Medical Center

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

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

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

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

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

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-Piñeiro, Children Hospital of Philadelphia; Andrei Thomas-Tikhonenko, University of Pennsylvania

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

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
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

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

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

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

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

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

Erica Sterling ......................... 5:30 PM, Waterside
Research Mentor: Nikhil Pal Singh
Research Institution: New York University
Home Institution: Emory University
Co-Authors: Nikhil Pal Singh, New York University - Arts & Sciences

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

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

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
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

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

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

Savannah Turner ....................... 2:45 PM, Springdale II
Presentation Title: Digital Citizenship: Technological Advances and Social Capital in Black America
Research Mentor: Evelynn Hammonds
Research Institution: Harvard University
Home Institution: Wesleyan University
Co-Authors: Evelynn Hammonds, Harvard University
SS

Mikiko Thelwell ......................... 5:30 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

Tia Tyndall .................................. 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

Alanah Torre ........................... 4:00 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

Taylor 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 Uruchima .......................... 5:00 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

Milton Torres Cabán..................... 11:45 AM, Elm II
Presentation Title: Using Endoproteinases 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
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 Chrnβ4 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 Wilson .......................... 12:00 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

Poster Presentation Key: Name, Poster Number, Time
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

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

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

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

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

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

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 Martinez, University of Chicago

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

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

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

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

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

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

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

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; 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 a1ld in the Presence of Mg2+ and Ca2+ 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

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

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

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

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

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

Allan 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 Mailhiot, Montana State University

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

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

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

Katiuska 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  
Home Institution: Little Big Horn College  
Co-Authors: Seth Walk and Susan Broadaway, 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’Venni 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: Examining 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 Pohlmeyer, 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 Proteotoxicity
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 Ingremeau, 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: MinYong 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

Gwenaelle 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 Zullow 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: Johns Hopkins University
Home Institution: University of Missouri-Kansas City
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: Pattraranee Limphong
Research Institution: Johns Hopkins University
Home Institution: University of Missouri-Kansas City
Co-Authors: Pattraranee 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

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

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

Shae Alexis Anderson, PhD  
BA, 2000, Bennett College;  
PhD, 2012, Georgia State University

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

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

Annie Arguello, PhD  
BS, 2006, Saint Mary’s University;  
PhD, 2013, UC San Francisco

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

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

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

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

Nyamekye Obeng-Adjei, PhD  
BS, 2007, University of Maryland, Eastern Shore;  
PhD, 2013, University of Pennsylvania

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

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

Omoruyi O. Osula, PhD  
BS, 2004, Morehouse College;  
PhD, 2012, Johns Hopkins University

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

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

Elizabeth Penela, PhD  
BS, 2006, University of Miami;  
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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, identity 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 vanWaardenburg, 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.

Leislie Godo-Solo  
*Institute for the Recruitment of Teachers*

Leislie 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-led 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 (AChemS). 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.

www.stjude.org/postdoc
The Provost’s Office of Institutional Diversity at Brown University CONGRATULATES the Leadership Alliance Consortium on its continued support and dedicated commitment to promising scholars across the country.

Contact Us:
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Website: http://www.brown.edu/about/administration/institutional-diversity/
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.

**2013 ABRCMS Attendees by Location**

**ABRCMS Travel Award**
Available to undergraduate and postbaccalaureate presenting students

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<tr>
<th>Type of Award</th>
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<tr>
<td>Partial Travel Awards</td>
<td>Housing</td>
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<tr>
<td>Full Travel Awards</td>
<td>Registration, housing, and air travel</td>
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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
- Travel Subsidies and registration discounts available

**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**
Council on Undergraduate Research

CUR is an international organization of individual and institutional members representing over 950 colleges and universities. The mission of the Council on Undergraduate Research is to support and promote high-quality undergraduate student-faculty collaborative research and scholarship.

* Supports faculty development through expert-designed institutes, and offers the option of customizable campus-wide or departmental institutes.
* Publishes books and a quarterly peer-reviewed journal related to creating, managing, and evaluating undergraduate research programs, and mentoring undergraduate researchers.
* Assists administrators and faculty members in improving and assessing the research environment at their institutions.
* Provides information on the importance of undergraduate research to state legislatures, private foundations, government agencies, and the U.S. Congress.
* Nurtures and supports a dynamic, rapidly growing, and international community dedicated to expansion of undergraduate research.

* Hosts an online Registry of Undergraduate Researchers, where graduate schools and undergraduate researchers connect.

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For more information visit our table or www.nibr.com
Welcome to the 2014 Leadership Alliance National Symposium

On behalf of the Leadership Alliance, it gives me great pleasure to welcome you to the 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!

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!