The Leadership Alliance is a multi-institutional academic consortium of leading research and teaching colleges and universities. The mission of the Alliance is to develop underrepresented students into outstanding leaders and role models in academia, business and the public sector.

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164 Angell Street
Providence, RI 02912
Telephone: (401) 863-1474
Fax: (401) 863-2244
www.theleadershipalliance.org
Welcome to the 2011 Leadership Alliance National Symposium

It gives me great pleasure to welcome you to the 2011 Leadership Alliance National Symposium! The theme of the symposium, The Future of Research: Developing Leaders in Academia and Beyond, is indicative of the Leadership Alliance’s longstanding commitment to providing comprehensive mentoring and training opportunities along the academic pathway that prepare students for competitive graduate training programs and professional research based careers.

Next year, we will celebrate the 20th anniversary of the Summer Research Early Identification Program (SR-EIP). This celebration acknowledges the steadfast commitment of the Leadership Alliance institutional leaders, coordinators, faculty and administrators whose collective efforts have contributed to the production of nearly 200 Doctoral Scholars (SR-EIP alumni who have obtained their PhDs or MD-PhDs) in a wide range of academic disciplines.

Each of you has the talent and potential to become leaders in your respective discipline and career choice. The symposium activities have been designed to assist you in this developmental process by providing you with additional skills building, mentoring and networking opportunities to help clarify and successfully navigate your academic and career trajectories. A hallmark of the symposium is the provision of role models, primarily comprised of Leadership Alliance alumni, at each successive stage of the academic pathway. This is a resourceful network from which you will be able to obtain guidance from a trusted source of scholars who have embarked upon similar pathways. Take advantage of each and every opportunity.

You are the future of research and I challenge you to assume the responsibility of becoming a leader true to your passion and research interests. The Leadership Alliance will remain committed to developing your talents and potential at this symposium and for many years to come!

Good luck and all the best for an enriching symposium experience!

On behalf of the Symposium Planning Committee, I am delighted to welcome you to the 2011 Leadership Alliance National Symposium. This year’s theme, The Future of Research: Developing Leaders in Academia and Beyond, was chosen to focus the symposium activities on the critical skills and habits of mind that we hope will assist you in transitioning to the next level of your professional development. The Symposium Committee and the Leadership Alliance Executive Office Staff have organized a vast array of opportunities to engage you in thoughtful discussions with leaders from all sectors of research—academia, government, industry and non-profit organizations. We are all committed to supporting your development as a leader in your chosen research area and to fulfilling the mission of the Leadership Alliance to develop a more inclusive and diverse community of scholars.

We hope that you will take advantage of the many occasions during the symposium to ask questions and gain insights about effective strategies for navigating your career path. Do not be shy about sharing your unique experiences and ideas with other participants.

Vartan Gregorian, the founder of the Leadership Alliance and now the President of the Carnegie Corporation, nicely articulates the Alliance’s goals of advancing the progress of our country through developing leaders in academia and beyond. “For us, America is not just a past, it is also a future. It is not just an actuality—it is always a potentiality. America’s greatness lies in the fact that all its citizens, both new and old, have an opportunity to work for that potentiality, for its unfinished agenda.”

Best wishes for a productive and enjoyable weekend. Thank you for participating in the 2011 Leadership Alliance National Symposium.
The Future of Research:
Developing Leaders in Academia and Beyond

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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
# SYMPOSIUM AT-A-GLANCE

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<th>Time</th>
<th>General Sessions</th>
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<th>Graduate Sessions</th>
<th>Doctoral Scholars, Faculty, Administrators &amp; Guests</th>
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<tbody>
<tr>
<td><strong>FRIDAY</strong></td>
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<tr>
<td>11:00 a.m. - 3:00 p.m.</td>
<td>Orientation, Networking &amp; Alumni Career Panel</td>
<td>Registration &amp; Professional Headshots</td>
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<tr>
<td>11:00 a.m. - 3:00 p.m.</td>
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<td>PowerPoint Presentation</td>
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<td>Upload I</td>
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<tr>
<td>2:30 p.m. - 5:15 p.m.</td>
<td>Orientation, Networking, and Funding Sessions by Discipline (Refreshments served 2:30 p.m.-3:00 p.m.)</td>
<td></td>
<td>Grantsmanship 101 Graduate Students and Doctoral Scholars</td>
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<tr>
<td>5:30 p.m. - 6:45 p.m.</td>
<td></td>
<td>PowerPoint Presentation</td>
<td>Moderators Training Graduate Students</td>
<td>Meet &amp; Greet with Program Officers Doctoral Scholars</td>
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<tr>
<td>7:00 p.m. - 9:15 p.m.</td>
<td>Dinner/Welcome/Alumni Research &amp; Career Panel Presentations</td>
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<tr>
<td>9:30 p.m. - 10:30 p.m.</td>
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<td>Reception for Doctoral Scholars, Faculty Mentors, Coordinators, Graduate Students</td>
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<tr>
<td><strong>SATURDAY</strong></td>
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<td>7:30 a.m. - 8:45 a.m.</td>
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<td>Poster Setup</td>
<td>Breakfast for Graduate Students and Doctoral Scholars: Everything you always wanted to know but were afraid to ask</td>
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<td>7:30 a.m. - 8:30 a.m.</td>
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<td>Networking Breakfasts</td>
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<td>8:45 a.m. - 9:45 a.m.</td>
<td>Student Poster Presentations Session I</td>
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<tr>
<td>9:45 a.m. - 10:45 a.m.</td>
<td>Student Poster Presentations Session II</td>
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<tr>
<td>11:15 a.m. - 12:45 p.m.</td>
<td>Student Oral Presentations Session I</td>
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<tr>
<td>1:00 p.m. - 2:30 p.m.</td>
<td>Lunch Panel: The Graduate School Experience (PhD Program)</td>
<td>Life After Graduate School: The Postdoc Experience and More Graduates</td>
<td>Navigating the Academic and Non-Academic Career Pathways Doctoral Scholars</td>
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<tr>
<td>2:45 p.m. - 4:15 p.m.</td>
<td>Student Oral Presentations Session II</td>
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<td>4:20 p.m. - 4:30 p.m.</td>
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<td>Break/Snack</td>
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<td>4:45 p.m. - 5:45 p.m.</td>
<td>Student Oral Presentations Session III</td>
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<td>5:45 p.m. - 6:45 p.m.</td>
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<td>Leadership Alliance Community Meeting: Faculty Mentors, Coordinators, Doctoral Scholars, Administrators &amp; Graduate Students</td>
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<td>6:00 p.m. - 6:45 p.m.</td>
<td>Group Photos: Lilly Scholars and Leadership Alliance Mellon Initiative Cohorts/Individual Professional Headshots/Free Time</td>
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<td>7:00 p.m. - 9:00 p.m.</td>
<td>Dinner &amp; Keynote Speaker</td>
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<td>9:00 p.m. - 12:00 a.m.</td>
<td>Dance Party</td>
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<td><strong>SUNDAY</strong></td>
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<td>7:30 a.m. - 10:00 a.m.</td>
<td>Exhibitors Set-up for Recruiting Fair</td>
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<td>8:00 a.m. - 9:45 a.m.</td>
<td>The Graduate School Application Process</td>
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<td>Breakfast Panel: Biosciences</td>
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<td>Breakfast Panel: MD-PhD</td>
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<td>Breakfast Panel: Social Sciences &amp; Humanities</td>
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<td>Breakfast Panel: Engineering &amp; Physical Sciences</td>
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<td>10:00 a.m. - 11:00 a.m.</td>
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<td>Leadership Alliance Alumni Association</td>
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<tr>
<td>10:00 a.m. - 12:00 p.m.</td>
<td>Recruiting Fair/Exhibitors</td>
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<tr>
<td>12:15 p.m. - 1:00 p.m.</td>
<td>Fill out Surveys/Closing Remarks/Adjournment</td>
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AGENDA 2011

FRIDAY, JULY 29

11:00AM – 3:00PM
Leadership Alliance Conference Registration .................................................................Regency Ballroom Foyer

11:00AM – 3:00PM
PowerPoint Upload Session I ................................................................................................................Winthrop A, B

1:00PM – 3:00PM
Professional Headshots ................................................................................................................Regency Ballroom Foyer

(~ Refreshments served 2:30pm – 3:00pm. Sessions begin at 3:00pm ~)

3:00PM – 5:15PM
Orientation/Networking/Funding Sessions by Discipline (Undergraduates)

Biosciences .................................................................................................................................Regency G
Moderators: Joel Oppenheim, Senior Associate Dean for Biomedical Sciences, New York University Langone Medical Center; Sheila Thomas, Assistant Professor of Medicine, Assistant Dean of Diversity and Minority Affairs for GSAS and DMS, Harvard University
Funding Panel:
Tiffani Fonseca, Fellowship Programs Coordinator, Education Department, American Society for Microbiology
Sharon Milgram, Director of the Office of Intramural Training and Education, National Institutes of Health
Marcus Jones, Staff Scientist, Infectious Disease, J. Craig Venter Institute

Social Sciences and Humanities .................................................................Regency D
Moderators: Karen Jackson-Weaver, Associate Dean of Academic Affairs and Diversity, Princeton University; Travis Boyce, Assistant Professor of Africana Studies and Social Science, University of Northern Colorado
Funding Panel:
Christine O’Brien, Manager Ford Fellowship, National Academy of Sciences
Leisle Godo-Solo, Associate Director, Institute for Recruitment of Teachers
Liza Cariaga-Lo, Assistant Provost for Faculty Development and Diversity, Harvard University

Engineering and Physical Sciences .................................................................Regency A
Moderator: Michelle Nearon, Assistant Dean and Director, Office for Diversity and Equal Opportunity, Yale University; Mark Hernandez, Professor in the Civil, Environmental and Architectural Engineering, University of Colorado at Boulder
Funding Panel:
Aileen Walter, Vice President University Programs at the National Action Council for Minorities in Engineering
Liv Detrick, Assistant Director, Institute for Broadening Participation
Robert Harper-Mangels, Assistant Dean, Graduate School of Arts and Sciences, Yale University
2:30 PM – 5:15 PM
Grantsmanship 101 (Graduate Students/Doctoral Scholars) ............................................................. Riverside Ballroom
Moderator: Earnestine Baker, Executive Director, Meyerhoff Scholars Program, University of Maryland, Baltimore County
Cedric Williams, Program Director, Neural Systems, National Science Foundation, and Professor of Psychology and Neuroscience, University of Virginia

5:30 PM – 6:45 PM
PowerPoint Upload Session II ...................................................................................................................... Winthrop A, B

5:30 PM – 6:30 PM
Moderators Training (Graduate Students) .................................................................................................. Roundhill
Moderators: Laurel Southard, Director of Undergraduate Research Office of the Provost, Cornell University and Jabbar Bennett, Assistant Dean of Recruiting and Professional Development, Brown University

5:30 PM – 6:30 PM
Doctoral Scholar Meet and Greet with Program Directors ............................................................ Riverside Ballroom
Moderator: Roosevelt Ratliff, Professor & Assistant Vice-President for Leadership Development, Claflin University
Sharon Milgram, Director of the Office of Intramural Training and Education, National Institutes of Health
Laina King, Director, Diversity in Life Science Programs, Keystone Symposia on Molecular and Cellular Biology
Nicole Restrick, Assistant Director, Abe Fellowship Program, Fellowships Manager, Social Science Research Council
Cedric Williams, Program Director, Neural Systems, National Science Foundation, and Professor of Psychology and Neuroscience, University of Virginia
Keith Micoli, Manager Postdoctoral Programs, Sackler Institute of Graduate Biomedical Sciences, New York University School of Medicine
Marcus Jones, Staff Scientist, Infectious Disease, J. Craig Venter Institute

7:30 PM
Welcome and Opening Remarks
Medeva Ghee, Executive Director, Leadership Alliance
Liza Cariaga-Lo, Chair Symposium Planning Committee, Harvard University

8:00 PM – 9:15 PM
Alumni Research and Career Panel
Moderator: Joeli Marrero, Postdoctoral Associate, Weill Cornell Medical College
David Castro, Senior Research Chemist, Nalco Company
Jade Carter, Forensic Scientist at County of Ventura
Erica Williams, Assistant Professor, Spelman College
Damani Piggott, Postdoctoral Fellow, Johns Hopkins University, MD-PhD

9:30 PM – 10:30 PM
Reception for PhDs, Faculty Mentors, Coordinators, Graduate Students, Guests ............................ Riverside Ballroom
Saturday, July 30

7:00AM – 11:00AM
Professional Headshots .................................................................................................................Regency Ballroom Foyer

7:30AM – 8:45AM
Posters Setup ...........................................................................................................................................................Sun Court

Networking Breakfasts, 7:30am – 8:30am

Undergraduate Networking Breakfasts
  Biosciences ..........................................................................................................................................................Regency G
  Social Sciences and Humanities .........................................................................................................................Regency D
  Physical Sciences and Engineering ....................................................................................................................Regency A
  Leadership Alliance Mellon Initiative Networking Breakfast ..............................................................................Mead A, B
  Lilly Scholars Program Networking Breakfast ....................................................................................................Mead C

Doctoral Scholars & Graduate Students Breakfast
Everything you always wanted to know, but were afraid to ask. ......................................................Riverside Ballroom
Moderator: Earnestine Baker, Executive Director, Meyerhoff Scholars Program, University of Maryland, Baltimore County
Mark Hernandez, Professor in the Department of Civil, Environmental and Architectural Engineering, University of Colorado at Boulder
Joel Oppenheim, Senior Associate Dean for Biomedical Sciences, New York University Langone Medical Center
David Redman, Associate Dean for Academic Affairs, Princeton University
Pamela Scott-Johnson, Chair and Associate Professor, Department of Psychology, Morgan State University

8:45 am – 10:45 am
Student Poster Presentations.................................................................................................................................Sun Court
  8:45am – 9:45am – Student Poster Presentations Session I
  9:45am – 10:45am – Student Poster Presentations Session II

11:15am – 12:45 pm
Student Oral Presentations Session I

Lunch served 1:00pm (Sessions begin at 1:30 pm)

1:00PM – 2:30PM
Panel Discussion for Undergraduates Interested in the PhD: The Graduate School Experience ......Regency A, B, C
Moderator: Pamela Scott-Johnson, Chair and Associate Professor, Department of Psychology, Morgan State University
Ty McCray, Plant Biologist, Weill Cornell Medical College
Christopher Downing, Industrial/Organizational Psychology, Virginia Tech
Elda Maria Roman, English Major, Stanford University
Fernando Albertorio, NIH National Research Service Award (NRSA) Research Associate at Harvard, Harvard University

1:00PM – 2:30PM
Panel Discussion for Undergraduates Interested in the MD-PhD: The Graduate School Experience ......Regency G
Moderator: Nancy Schwartz, Professor, Biochemistry & Molecular Biophysics, University of Chicago
Joseph Marlin, MD-PhD Candidate, New York University
Meghan Kirksey, Resident Department of Anesthesiology, New York Presbyterian Hospital
Kathie Coreder-Caban, Medicine and Physiology (Health Pre-Professional), Loma Linda University
Kareem Rashid Rumah, MD-PhD Candidate, Weill Cornell Medical College
1:00 pm – 2:30 pm
Panel Discussion for Graduate Students, Life after Graduate School: The Postdoc Experience and More...........Regency D
   Moderator: David Redman, Associate Dean for Academic Affairs, Princeton University
   Alberto Roca, Founder, Editor, and Diversity Consultant & Recruiter, minoritypostdoc.org
   Karen Jackson-Weaver, Associate Dean of Academic Affairs and Diversity, Princeton University
   William Rando, Graduate Teaching Center, Yale University
   Ulli K. Ryder, Visiting Scholar, Brown University

1:00 pm – 2:30 pm
Navigating the Academic and Non-Academic Career Pathways for Doctoral Scholars.............. Riverside Ballroom
   Moderator: John Wilson, Co-Director of Dillard University Minority Health & Health Disparities Research Center, Dillard University
   Bianca Garner, Associate Professor, Faculty, Tougaloo College
   Cedric Williams, Program Director, Neural Systems, National Science Foundation, and Professor of Psychology and Neuroscience, University of Virginia
   Liza Cariaga-Lo, Assistant Provost for Faculty Development & Diversity, Harvard University

2:45 pm – 4:15 pm
Student Oral Presentations Session II

   ~ Ice Cream Break, 4:15 pm – 4:30 pm ~

Biosciences ..............................................................................................................................................................Sun Court
Social Sciences and Humanities ..............................................................................................................................Executive Club North
Physical Science and Engineering ............................................................................................................................Executive Club South

4:30 pm – 5:30 pm
Student Oral Presentations Session III

5:45 pm – 7:00 pm
Professional Headshots...............................................................................................................................Regency Ballroom Foyer

5:45 pm – 6:45 pm
Leadership Alliance Community Meeting..................................................................................... Roundhill
   Faculty Mentors, Coordinators, Doctoral Scholars, Administrators, Graduate Students and Guests
   Host: Medeva Ghee, Executive Director

6:00 pm – 7:00 pm
Program Specific Cohort Photo ............................................................................................................Regency Ballroom Foyer
   Lilly Scholars Program Participants
   Leadership Alliance Mellon Initiative Participants

   ~ Dinner and Keynote Speaker, Regency Ballroom, 7:00pm ~

9:00 pm – 12:00 am
Dance .......................................................................................................................................................................Sun Court
Sunday, July 31

7:30 AM – 10:00 AM
Exhibitors Set-up for Recruiting Fair ..................................................................................................................Sun Court

(~ Breakfasts served 8:00-8:45am. (Sessions begin at 8:45am) ~)

8:00 AM – 9:45 AM
Undergraduate Breakfast Panels: The Graduate School Application Process
Biosciences ..........................................................................................................................................................Regency G

Moderator: George Hill, Associate Dean for Diversity in Medical Education, Vanderbilt University
Anita Blanco, Director, Genetics and Genomics Diversity Program, Stanford University School of Medicine
Sheila Thomas, Assistant Professor of Medicine, Assistant Dean of Diversity and Minority Affairs for GSAS and DMS, Harvard University
Joel Oppenheim, Senior Associate Dean for Biomedical Sciences, New York University Langone Medical Center

Moderator: Lawrence Brass, Associate Dean and Director, University of Pennsylvania, MD-PhD Program
Patrice Spitalnik, Assistant Director, MD-PhD program, Columbia University
Michelle Grundy, Director, Summer Science Academy, Vanderbilt University
Brian Sullivan, Administrative Director, Medical Scientist Training Program, Washington University in St. Louis

Social Sciences and Humanities .........................................................................................................................Regency D

Moderator: Geneva Baxter, Associate Dean of Undergraduate Studies, Spelman College
Liza Cariaga-Lo, Assistant Provost for Faculty Development and Diversity, Harvard University
David Redman, Associate Dean of Academic Affairs, Princeton University
Pamela Scott-Johnson, Associate Professor and Chair Psychology, Morgan State University

Moderator: Mark Hernandez, Professor in the Department of Civil, Environmental and Architectural Engineering, University of Colorado at Boulder
Michelle Nearon, Assistant Dean and Director, Office for Diversity and Equal Opportunity, Yale University
Howard Stone, Professor, Mechanical and Aerospace Engineering, Princeton University

8:00 AM – 9:45 PM
Graduate Student Breakfast: Career Mentoring .................................................................................................Winthrop A, B

Moderator: Jabbar Bennett, Assistant Dean of Recruiting and Professional Development, Brown University
Lynette Lopes, Imagine You lc

8:00 AM – 9:45 AM
Doctoral Scholars Breakfast: Preparing for Success .........................................................................................Riverside Ballroom

Moderator: Cheryl Apprey, Director of Graduate Student Programs, University of Virginia
Keith Micoli, Manager Postdoctoral Programs, Sackler Institute of Graduate Biomedical Sciences, New York University School of Medicine

10:00 AM – 12:00 PM
Recruiting Fair/Exhibitors ..................................................................................................................................Sun Court

10:00 AM – 11:00 AM
Leadership Alliance Alumni Association ..............................................................................................................Conde’s

Moderator: Medeva Ghee, Executive Director

12:15 PM – 1:00 PM
Fill out surveys, Closing Remarks, Adjournment .............................................................................................Regency Ballroom
Ms. Begay-Campbell is a Principal Member of the Technical Staff at Sandia National Laboratories. She leads Sandia’s technical efforts in the Renewable Energy Program to assist tribes with renewable energy development. As a member of the Navajo Nation, Ms. Begay-Campbells’ perspective combines her cultural values into a technical environment. She is the former executive director of the American Indian Science and Engineering Society (AISES), a non-profit organization whose mission is to increase the number of American Indian scientists and engineers.

Ms. Begay-Campbell received a Bachelor of Science – Civil Engineering degree from the University of New Mexico. She worked at Lawrence Livermore National Laboratories before she earned a Master of Science – Structural Engineering degree from Stanford University and she also worked at Los Alamos National Laboratory.
## Oral Presentations by Time

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

<table>
<thead>
<tr>
<th>Time</th>
<th>Code</th>
<th>Name</th>
<th>Title</th>
<th>Location</th>
</tr>
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<tbody>
<tr>
<td>11:15 AM</td>
<td>SS</td>
<td>Malinda Balfour</td>
<td>College Readiness: Preparing Students Academically and Socially for a Successful College Experience</td>
<td>Cos Cob</td>
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<tr>
<td>11:15 AM</td>
<td>PS</td>
<td>Douglas Ball</td>
<td>Nano-structured oxide semiconductor composites for photocatalysis</td>
<td>Sheffield</td>
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<tr>
<td>11:15 AM</td>
<td>SS</td>
<td>Candace Banks</td>
<td>Language and Identity</td>
<td>Byram Shore</td>
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<tr>
<td>11:15 AM</td>
<td>EN</td>
<td>Connie Chan</td>
<td>Demonstration of DNA Repair in Virus after UV Disinfection using Coliphages as Surrogates</td>
<td>Stonington</td>
</tr>
<tr>
<td>11:15 AM</td>
<td>SS</td>
<td>Angela Crumdy</td>
<td>A Nation for All? Black Political Expression in Cuba, 1911-2011</td>
<td>Milbrook</td>
</tr>
<tr>
<td>11:15 AM</td>
<td>AB</td>
<td>Norbert Cruz</td>
<td>Varying Statistical Structure of Sounds: Effect on Behavioral Discrimination of Rats and on Response Properties of the Auditory Cortex</td>
<td>Roundhill</td>
</tr>
<tr>
<td>11:15 AM</td>
<td>AB</td>
<td>Christopher Ecker</td>
<td>Identification and Isolation of HIV-1 Specific T Regulatory Cells</td>
<td>Winthrop B</td>
</tr>
<tr>
<td>11:15 AM</td>
<td>PS</td>
<td>Guy Geyer</td>
<td>Fiber Taper Probe for Probing Photonic Crystal Microcavities</td>
<td>New London</td>
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<tr>
<td>11:15 AM</td>
<td>BB</td>
<td>Allison Gomez</td>
<td>Regulation of Pancreatic Cytokines by Fas Ligand in Autoimmune Diabetes Prone Mice</td>
<td>Mead B</td>
</tr>
<tr>
<td>11:15 AM</td>
<td>AB</td>
<td>Keven Laboy</td>
<td>The Efficiency of the Lentivirus and AAV as Viral Vectors for the ChR2 Gene</td>
<td>Winthrop A</td>
</tr>
<tr>
<td>11:15 AM</td>
<td>BB</td>
<td>Oscar Munoz</td>
<td>The Effect of Dermal Smoothened Activation on Hair Follicle Cycle</td>
<td>Laddins Rock</td>
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<tr>
<td>11:15 AM</td>
<td>AB</td>
<td>Pola Olczak</td>
<td>The Effects of TLR9 Stimulation on Amyloid and Tau Pathology in a Mouse Model of Alzheimer’s Disease</td>
<td>Mead C</td>
</tr>
<tr>
<td>11:15 AM</td>
<td>BB</td>
<td>Francesca Rouzard</td>
<td>The Role of Toll-like Receptors in the Control of Coxiella burnetii Infection</td>
<td>Mead A</td>
</tr>
<tr>
<td>11:15 AM</td>
<td>SS</td>
<td>Diane Wong</td>
<td>What Explains Asian American Political Participation?: The Effects of Ethnic Enclaves and Co-ethnic Candidates on Turnout</td>
<td>Belle Haven</td>
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<tr>
<td>11:30 AM</td>
<td>BB</td>
<td>Jawara Allen</td>
<td>Structural and Functional Analysis of RAR-Related Orphan Receptor gamma (ROR gamma) in Th17 Cells</td>
<td>Mead B</td>
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<tr>
<td>11:30 AM</td>
<td>HU</td>
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<td>AB</td>
<td>Analyzing Attempts to Bridge the Gender Gap Among Physician Scientists: Are New Programs at NIH and Schools of Medicine Making a Difference?</td>
<td>Dominique Grasty</td>
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<td>Isabel Hinestrosa</td>
<td>Effects of Mammalian Target of Rapamycin Inhibition on a Breast Cancer Model</td>
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<td>05:15 PM</td>
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<td>Mary Hofo Grae</td>
<td>The Subversive Readership of the Early Gothic Novel</td>
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<td>BB</td>
<td>Rachel Rudlaff</td>
<td>Oxidative Stress in the Endothelium: To Live or to Die</td>
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<td>Santiago Salazar</td>
<td>Fluorescence Recovery After Photobleaching (FRAP) Analysis Shows RPA Phosphorylation Modulates Recruitment of the Tumor Suppressor PALB2</td>
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<td>Sirrika Samuels</td>
<td>Effects of Nape and Its Role in Diabetes</td>
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<td>Emilio Soto</td>
<td>The Role of miRNA128 on the Development of the Cerebral Cortex</td>
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<td>AB</td>
<td>Cherrelle Thomas</td>
<td>Investigating Domains in the Phospholipid Bilayer using Single-Molecule Mapping Techniques</td>
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<td>Alejandro Arroyo-Pacheco</td>
<td>Identification of Biomarkers in Blood Plasma for Ovarian Cancer Early Detection</td>
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<td>AB</td>
<td>Rene Begay</td>
<td>Regulation of Kisspeptin in GnRH-deficient Adult Transgenic Animals</td>
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<td>Adrienne Bird</td>
<td>Evaluating Sampling Protocols on the Little Big Horn River</td>
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<td>James Chavre</td>
<td>Effect of Acrolein on Cardiac Fibroblast Proliferation</td>
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<td>AB</td>
<td>Ashla Gaibi</td>
<td>Role of Type-1 Collagen in the Remineralization of Diseased Osseous Tissue with Osteogenesis Imperfecta (OI)</td>
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<td>05:30 PM</td>
<td>AB</td>
<td>Mariya Grygorenko</td>
<td>Life after Lung Transplants: Predicting the Onset of Bronchiolitis obliterans Syndrome using Biomarkers</td>
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<td>Ninoshka Lopez-Mojica</td>
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<td>05:30 PM</td>
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<td>Angelina Ocampo</td>
<td>Measuring Bulk Diffusion on Cell Membrane using Fluorescence Recovery After Photobleaching (FRAP)</td>
<td>Putnam</td>
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<td>BB</td>
<td>Liran Valadarsky</td>
<td>Interplay Between Histone Modifications Regulates Binding of Tudor and MBT Domains to Histone Tails</td>
<td>Laddins Rock</td>
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<td>05:30 PM</td>
<td>SS</td>
<td>Elizabeth Vargas</td>
<td>The Role of Serotonin Receptor Subtype 5-HTR6 on Prepulse Inhibition of the Goldfish Startle Escape Behavior</td>
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<td>SS</td>
<td>Austin Roth</td>
<td>Development of Fear Extinction Learning and Spontaneous Recovery in Humans: Implications for Treatment of Childhood Anxiety Disorders</td>
<td>Belle Haven</td>
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## Oral Presentations by Room

### Laddins Rock, AB/BB

*Iféoma Nwigwe, Yale University, 11:15 - 12:45*

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<tr>
<th>Presenter</th>
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<tbody>
<tr>
<td>Oscar Munoz</td>
<td>The Effect of Dermal Smoothened Activation on Hair Follicle Cycle</td>
<td>11:15 AM</td>
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<tr>
<td>Chelsea Earby</td>
<td>Pulmonary Arterial Smooth Muscle Cell Migration is Calcium Dependent</td>
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<tr>
<td>Ricardo Linares Saldana</td>
<td>The Role of BLOC-1 in Melanosome Biogenesis and Protein Trafficking</td>
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<tr>
<td>Rhiannon Aguilar</td>
<td>Preliminary Manipulation of the SMYD Proteins for use in Bioorthogonal Profiling of Protein Methylation</td>
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<tr>
<td>Angel Leiva</td>
<td>Regulation of Monoubiquitinated PCNA is Important for Replication Stress Response</td>
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<tr>
<td>Gregory Bryman</td>
<td>Hypoxia Inducible Factor-1alpha in signaling downstream of Glycogen Synthase Kinase-3 Inhibition in the Mouse Brain</td>
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### Laddins Rock, AB/BB

*Dario Gutierrez, Vanderbilt University, 2:45 - 4:15*

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<tr>
<td>Caitlin Burgdorf</td>
<td>Effects of Predator Odor Stress on CRF Release and Cognitive Flexibility in Rats</td>
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<tr>
<td>Opeyemi Alabi</td>
<td>Circuit Structure Underlying Short-Term Memory</td>
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<tr>
<td>Caracha Bernard</td>
<td>Evaluation of Neural Phenotypes and Therapeutic Interventions in a Zebrafish Model of Batten’s Disease</td>
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<tr>
<td>Amanda Buch</td>
<td>Human ES Cell-derived Dopaminergic Neuron Grafts lead to Functional Recovery in Parkinsonian Rats</td>
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<tr>
<td>Sarah Azarchi</td>
<td>Novel Conformationally Directed Immunomodulation for Reducing Amyloid and Tau in Alzheimer’s Disease Related Pathology in a Mouse Model</td>
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<tr>
<td>Ryan Paranal</td>
<td>Methamphetamine- and Dopamine-induced Apoptosis in a Neuroblastoma Cell Line</td>
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### Laddins Rock, AB/BB

*Nyamekye Obeng-Adjei, University of Pennsylvania, 4:30 - 5:45*

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<tr>
<td>Kalyani Nambiar</td>
<td>Exposure Mediated Neurodegeneration: Mechanisms of Disease</td>
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<tr>
<td>Rachana Haliyur</td>
<td>Investigating the Potential Link between IDH1 and HIF-1 alpha in Glioma</td>
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<tr>
<td>Michael Adu</td>
<td>Identifying Real Defective Interfering (DI) Genome through Running of PCR</td>
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<tr>
<td>Alexandria Broadnax</td>
<td>Food Insecurity and Chronic Kidney Disease: the Healthy Aging in Neighborhoods of Diversity across the LifeSpan (HANDLS) Study</td>
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<tr>
<td>Liran Valadarsky</td>
<td>Interplay Between Histone Modifications Regulates Binding of Tudor and MBT Domains to Histone Tails</td>
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### Mead A, AB/BB

*Joseph Marlin, New York University, 11:15 - 12:45*

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<tr>
<td>Francesca Rouzard</td>
<td>The Role of Toll-like Receptors in the Control of Coxiella burnetii Infection</td>
<td>11:15 AM</td>
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<tr>
<td>Raissa McIntosh</td>
<td>Determine Whether Somatic Hyper-Mutation Plays a Role in the Mechanism of B Cell Tolerance</td>
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<tr>
<td>Michael Rist</td>
<td>“Miniaturized” TCR-alpha Locus Control Region in Leniviral Constructs Used in Tcell Gene Therapy</td>
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<td>Jean Damisse</td>
<td>Study Of The Interactions Between CA-NC And The 5’-UTR Of The HIV-1 Virus</td>
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<td>Monica Thomas</td>
<td>The Effect of Kinase Inhibitors on JUNV Entry Process</td>
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<td>Tiffany Bell</td>
<td>Elucidating the Regulation of Interleukin-1 Receptor Antagonist by Matrilin-3</td>
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### Mead A, AB/BB

**Jennifer Nnoli, Memorial Sloan Kettering Cancer Center, 2:45 - 4:15**

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<td>Rafael Fernandez</td>
<td>A Step Towards a Universal Form of Mismatch Repair</td>
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<td>Kristy Merloni</td>
<td>Identification of Novel Genetic Markers for Manipulation of Taste Circuitry</td>
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<td>Jon Massie</td>
<td>Translational Regulation of the Huntington's Disease Protein through a 5' Upstream Open Reading Frame</td>
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<tr>
<td>Matthew McCauley</td>
<td>Expression of MicroRNA-675 in Cardiac Hypertrophy</td>
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<td>Qudus Lawal</td>
<td>Probing Molecular Interactions between LIM Proteins TRIP6 and LPP, and shelterin at Human Telomeres</td>
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<td>DeAsia Gilmer</td>
<td>Regulation of Gene Expression in the Aging Rat Heart</td>
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### Mead A, AB/BB

**Darien Sutton, New York University, 4:30 - 5:45**

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<tr>
<td>Melissa Jarmel</td>
<td>p53 Status Alters the Effects of KLF5 on Cell Proliferation</td>
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<td>Jane Hand</td>
<td>Nutrition and Germline Proliferation in C. elegans</td>
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<tr>
<td>Robert Myers</td>
<td>ADAM/Notch Signaling Pathway in Angiogenesis</td>
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<td>Renee Dudley</td>
<td>The Effect of Aging on the Reduction of Metabolic Cost during Motor Learning</td>
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### Mead B, AB/BB

**Sam McNeal, Brown University, 11:15 - 12:45**

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<th>Name</th>
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<tr>
<td>Allison Gomez</td>
<td>Regulation of Pancreatic Cytokines by Fas Ligand in Autoimmune Diabetes Prone Mice</td>
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<td>Jawara Allen</td>
<td>Structural and Functional Analysis of RAR-Related Orphan Receptor gamma (ROR gamma) in Th17 Cells</td>
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<td>Melissa Alvarado-Velez</td>
<td>Role of Oxidative Stress in Neurotoxic Effect of cART Drugs</td>
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<td>Shivana Maharaj</td>
<td>Does the Inhibition of the Kinase Domain of Receptor Interacting Protein 1 (RIP1) by Necrostatin 1 (Nec1) Effect the Type of Hepatocyte Death During Sepsis?</td>
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<td>Delyan Mutavchiev</td>
<td>Evaluation of Modified Bovine Apolipoproteins as Potential Trypanolytic Agents</td>
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<td>Khyrie Jones</td>
<td>Cellular Death as a Protective Defense in Drosophila melanogaster</td>
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### Mead B, AB/BB

**Rayshonda Williams, Weill Cornell Graduate School, 2:45 - 4:15**

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<td>Takashi Mbako</td>
<td>Cryptic Unstable Transcripts and their Effect on the URA2 Gene in Saccharomyces cerevisiae</td>
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<td>Albert Zhou</td>
<td>TBLR1 Regulation of Androgen Receptor Target Genes in Prostate Cancer</td>
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<td>Angelica Simmons</td>
<td>Validation and Discovery of RNA/ DNA Differences</td>
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<td>Hye Joo Yoon</td>
<td>Dissecting Genetic Interaction Networks between Protein Phosphorylation and Ubiquitination Systems in C. elegans</td>
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<td>Maribel Granja</td>
<td>If Only I Could Quit: How Genes Impact Nicotine Dependence</td>
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<td>Brian Rekoske</td>
<td>Inhibition of an RNA pyrophosphate hydrolase in Escherichia Coli</td>
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**Monique Foster, New York University, 4:30 - 5:45**

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<td>04:30 PM</td>
<td>Kevin Alicea Torres</td>
<td>The Impact of Bariatric Surgery on Insulin Sensitivity in Human Adipose Tissue</td>
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<td>Michael Burel</td>
<td>Genetic Circuits Controlling Stem Cell Self-Renewal in the Drosophila Testis</td>
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<td>Kaneshia Hines</td>
<td>The Effect of Electrical Stimulation on Neonatal Mice Myocytes Scaffolds</td>
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### Mead C, AB/BB

**Whitney Harris, Yale University, 11:15 - 12:45**

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<td>11:15 AM</td>
<td>Pola Olczak</td>
<td>The Effects of TLR9 Stimulation on Amyloid and Tau Pathology in a Mouse Model of Alzheimer’s Disease</td>
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<td>Lisseth Silva</td>
<td>Cellular Analysis of Upper Cortical Layer II and III Neurons in the Mouse Model of Lsl Overexpression</td>
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<td>Karen Kellen</td>
<td>Does Urocortin 1 Priming in the Basolateral Amygdala alter SERT Gene Expression in the Serotonergic Dorsal Raphe Nucleus?</td>
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<td>Randolph Lyde</td>
<td>Neuro Epigenetic Effects of High Fat Diet</td>
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<td>Zharko Daniloski</td>
<td>Characterization of Novel Interacting Partners of Laminin Receptor</td>
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<td>Rashida Mustafa</td>
<td>Neuropathic Pain Induced by Nerve Crush Injury: The Role of Calcium Channels</td>
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### Mead C, AB/BB

**Danielle Brown, UC Davis, 2:45 - 4:15**

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<tr>
<td>02:45 PM</td>
<td>Ivan Albino Flores</td>
<td>Examine the Contribution of an N-linked Glycosylation Site at Residue 161 of A56 to A56’s Interaction with VCP</td>
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<td>03:00 PM</td>
<td>Pascal Portois</td>
<td>Interactomics of Bacterial RNA Polymerase Enzymes</td>
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<td>Lymanis Quiñones-Dávila</td>
<td>Gene Expression in the Mesolimbic Dopamine Pathway</td>
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<td>Fiona Desland</td>
<td>Determining Positive Regulators of the Nitric Oxide-Detoxifying Gene hmpA, in Vibrio Cholera</td>
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<td>Emma Schatoff</td>
<td>Role of Dysregulated Epigenetic Modifiers in the Development of Leukemia</td>
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<td>Russell Maxwell</td>
<td>The Influence of DNA Damage on the Dynamics of Atypical Ubiquitin/SUMO Chains</td>
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### Mead C, AB/BB

**Tricia Nardiello, New York University, 4:30 - 5:45**

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<td>Richard Moses</td>
<td>Functional Analysis of the Nuclear Localization of Bone Marrow Kinase in the X Chromosome</td>
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<td>Patricia Mae Santos</td>
<td>Caloric Restriction Improves Extinction Learning in Mice</td>
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<td>Alessandra Alicea</td>
<td>Analysis of FlhC in Drosophila melanogaster Muscle Function</td>
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### Putnam, AB/BB
**Samuel Haile, University of Maryland, Baltimore County, 2:45 - 4:15**

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<td>Ashley Scott</td>
<td>Studies of Putative Phosphorylation Sites as Regulators of K2p Channel Function Using Site-directed Mutations</td>
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<td>Christopher Mosley</td>
<td>Role of YAF2 in Polycomb Recruitment</td>
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<td>Meinkeng Acha-Morfaw</td>
<td>Improving the Solubility of the Myristoylated FIV Matrix Protein for NMR Structural Studies and its Possible Role as an HIV Animal Model</td>
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<td>Will Fletcher</td>
<td>Bilayer-modifying Potential of Limonene and its Metabolites</td>
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<tr>
<td>Caroline Mejias-De Jesus</td>
<td>Investigating the Molecular Basis for Ras-Induced Senescence</td>
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<tr>
<td>Alejandro Gonzalez</td>
<td>The Hyper-osmotic Effects on the Pharyngeal Pumping in Caenorhabditis elegans</td>
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**Whitney Harris, Yale University, 4:30 - 5:45**

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<td>Tonee Jones</td>
<td>Poloxamer 188 Effects on Fetal Bovine Serum after Denaturation and Aggregation</td>
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<tr>
<td>Pinguang Yang</td>
<td>Role of Filopodia in Intercalating Cells during Drosophila Germ-band Extension</td>
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<td>Charles Eke</td>
<td>Trafficking of Retinal Degeneration Slow (RDS) within Cysteine Mutants Using Polarized Epithelial Cells as a Surrogate Model for Photoreceptor Trafficking</td>
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<tr>
<td>Aisha Burton</td>
<td>Fluorescein Isothiocyanate Attaches to Proteins on Living Cells</td>
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<td>Measuring Bulk Diffusion on Cell Membrane using Fluorescence Recovery After Photobleaching (FRAP)</td>
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### Roundhill, AB/BB
**Jessica Rowland, Princeton University, 11:15 - 12:45**

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<tr>
<td>Norbert Cruz</td>
<td>Varying Statistical Structure of Sounds: Effect on Behavioral Discrimination of Rats and on Response Properties of the Auditory Cortex</td>
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<tr>
<td>Alvaro Amor</td>
<td>Direct Observation of the Transition between the Broken and Extended Helix States of the Parkinson’s-linked Protein a-synuclein by CD and NMR Spectroscopy</td>
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<tr>
<td>Hélène Mascitti</td>
<td>Characterization of Monoclonal Antibodies Targeting Neurofibrillary Tangles Implied in Alzheimer’s Disease by Using Stereotaxic Method</td>
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<tr>
<td>Janice Vicenty</td>
<td>Apolipoprotein E: Development and Regeneration of Nerve Cells from the Central Nervous System</td>
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<td>Ilene Magpiong</td>
<td>Investigation of the Potential Effects of Environmental Factors on the Pyramidal Neuron Principal Axon Shaft of the Macaque Monkey Cerebral Cortex</td>
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<td>Jocelyn Rodriguez</td>
<td>Olivocerebellar Control of Reaching Movements</td>
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**Tyi McCray, Cornell University, 2:45 - 4:15**

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<td>Briana Fitch</td>
<td>Identifying Synthetic Lethality with MYCN Amplification in Neuroblastoma</td>
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<td>Chloe Powell</td>
<td>Preparation of Non-Decalcified Bone Histology Samples for Laser Microdissection of the Osteon Followed by DNA Analysis</td>
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<td>Japjit Verraich</td>
<td>Genomewide Gene-Function Discovery in Streptococcus pneumoniae to Better Understand Role in Antibiotic Resistance</td>
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<tr>
<td>Camila Prieto</td>
<td>Function of C16orf57 in Clericuzio-type Poikiloderma with Neutropenia</td>
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<tr>
<td>Mayte Hernandez</td>
<td>Characterization of Targeted Hedgehog Pathway Alleles in a Mouse Model of Pancreatic Ductal Adenocarcinoma</td>
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<tr>
<td>Emily Jackson</td>
<td>Role and Regulation of Neuromedin U in Erythropoiesis</td>
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**Jose McFaline Figueroa, Columbia University, 4:30 - 5:45**

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<td>Donald Richardson</td>
<td>Development of a Chemical Biology Data Base for Drug Discovery</td>
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<td>Joshua Peck</td>
<td>Cardioplegia Induces Phosphorylation of Phosphoglycerate Mutase and Tropomyosin in Human Heart Tissue</td>
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<tr>
<td>Olubusayo Awe</td>
<td>Lipoprotein Metabolism in Metabolically Healthy Obese (MHO) vs. Metabolic Abnormal Obese (MAO) - Isolation and Derivatization of HDL-AL Lipoprotein from Human Samples</td>
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<td>Sirrika Samuels</td>
<td>Effects of Nape and Its Role in Diabetes</td>
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<td>Ashla Gaibi</td>
<td>Role of Type-1 Collagen in the Remineralization of Diseased Osseous Tissue with Osteogenesis Imperfecta (OI)</td>
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### Winthrop A, AB/BB

**Samuel Haile, University of Maryland, Baltimore County, 11:15 - 12:45**

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<tr>
<td>Keven Laboy</td>
<td>The Efficiency of the Lentivirus and AAV as Viral Vectors for the ChR2 Gene</td>
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<tr>
<td>Lauren Sullivan</td>
<td>Enhanced Immunogenicity of Specific Epitopes of HIV-1 gp120 via Immune Complex Formation</td>
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<tr>
<td>Omayra Méndez</td>
<td>Vaccination of HIV-1 Infected Subjects on HAART Boosts Cellular Immune Responses</td>
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<tr>
<td>Jeremy Richey</td>
<td>Testing of Denture Base Materials Incorporated with Silver Nano-particles to Prevent Candida Colonization</td>
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<td>Joshua Horton</td>
<td>Mutational Analysis of HIV Coreceptor CCR5</td>
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<tr>
<td>Juan Rivera Correa</td>
<td>The Expression of Sphingosine 1-Phosphate Receptors in Cystic Fibrosis Dendritic Cells and Macrophages</td>
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### Winthrop A, AB/BB

**Amena Smith, Medical University of South Carolina, 2:45 - 4:15**

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<tr>
<td>Juliana Falero Perez</td>
<td>The Role of Dexras1 in Neuronal Iron Homeostasis</td>
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<td>Akriti Sharma</td>
<td>Potential Influences of Environmental Factors on the Number of Interneurons in CD-1 Mouse Cerebral Cortex</td>
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<tr>
<td>Anamaria Alexandrescu</td>
<td>Cell Type Selective Reduction of NMDA Receptors For Schizophrenia Targeted Therapeutic Development</td>
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<tr>
<td>Torrey Salmon</td>
<td>Defining the Hox Network Specifying Motor Neuron Cell Fates in the Vertebrate Embryo</td>
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<tr>
<td>Brian Becker</td>
<td>The Interaction of Membrane Proximal Domains of Receptor Tyrosine Kinases Tie1 and Tie2</td>
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<tr>
<td>Eduardo Galeana</td>
<td>PKM? and the Synaptic Process that Underlies Odor Shock Conditioning in the Amygdala</td>
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### Winthrop A, AB/BB

**Olutobi Ajala, Johns Hopkins University, 4:30 - 5:45**

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<td>Hannah Weber</td>
<td>The Role of MMP-2-Induced TH2 Cells in Melanoma Tumor Invasion and Angiogenesis</td>
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<tr>
<td>Dominique Moore</td>
<td>Developing a Diagnostic Tool to target Metastatic Cancer using the MARCKS Peptide and Membrane Curvature</td>
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<tr>
<td>Elisia Clark</td>
<td>The Role of Lipid Uptake in Cancer Cells</td>
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<tr>
<td>Isabel Hinestrosa</td>
<td>Effects of Mammalian Target of Rapamycin Inhibition on a Breast Cancer Model</td>
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<td>Alejandro Arroyo-Pacheco</td>
<td>Identification of Biomarkers in Blood Plasma for Ovarian Cancer Early Detection</td>
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<tr>
<td>11:15 AM</td>
<td>Angel Byrd</td>
<td>Identification and Isolation of HIV-1 Specific T Regulatory Cells</td>
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<td>Edjohnier Phillips</td>
<td>Could CR3 be the Receptor for Beta-Glucan?</td>
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<td>11:45 AM</td>
<td>Joshua Brown</td>
<td>Inhibition of HIV Capsid Protein</td>
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<td>Stefanie Luecke</td>
<td>Role of ICP0 in Herpes Simplex Virus Reactivation from Latency: Antagonism of the Neuronal DNA Damage Response</td>
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<td>Isola Brown</td>
<td>Observing the Effect of Salmonella enterica Infection on Cellular Organelle Phenotype</td>
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<td>Mame Cisse</td>
<td>Adaptation of Human Respiratory Syncytial Virus for Growth in Mouse Cells</td>
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<td>Jacqueline Romero</td>
<td>Role of Gap Junctions in the Spread of Cell Death in Ischemic Retinopathy</td>
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<td>Sebastian Perez</td>
<td>Mechanisms of Sirt1-Dependent Regulation of Bone Mass</td>
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<td>03:15 PM</td>
<td>Jesus Ayala</td>
<td>Investigating Potential Glial Cell Abnormalities in lpr-1 and let-4 Mutants</td>
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<td>Christopher Bartolome</td>
<td>The Role of Ras-GRF1 and Ras-GRF2 IQ Motifs in Memory Formation and Learning</td>
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<td>Dahima Cintron</td>
<td>Evaluating the Necessity of Acetylcholine During Learning of Reward Timing in Mice using Immediate Early Gene Expression</td>
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<td>Melissa Santos</td>
<td>Involvement of Cannabinoid CB1 and Dopamine D2 Receptors in Cortical and Striatal Glutamatergic Signaling</td>
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<td>Helya Ghaffari</td>
<td>Chemokine Gene Silencing in the Tumor Microenvironment</td>
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<td>Elizabeth Perez</td>
<td>Effect of Presenilin-1 Mutations on Notch1 Processing</td>
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<td>Cassandra Nelson</td>
<td>Does the Antioxidant Gene, nrf2, Protect Cancer Cells from Immune Destruction?</td>
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<td>Santiago Salazar</td>
<td>Fluorescence Recovery After Photobleaching (FRAP) Analysis Shows RPA Phosphorylation Modulates Recruitment of the Tumor Suppressor PALB2</td>
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<td>Ninoshka Lopez-Mojica</td>
<td>Downregulation of Helicobacter pylori Oncoprotein CagA by Exposure to Gastric Epithelial Cells</td>
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<td>11:15 AM</td>
<td>Andrea Owens-Jones</td>
<td>What Explains Asian American Political Participation? The Effects of Ethnic Enclaves and Co-ethnic Candidates on Turnout</td>
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<td>Silas Altheimer</td>
<td>Uncle Tom’s Cabin and the Vocabularies of a &quot;Black Church&quot;</td>
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<td>Nathaniel Gonzalez</td>
<td>Democracy and Religious Pluralism: Understanding Interfaith Collaboration</td>
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<td>Vladimir Medenica</td>
<td>As ‘They’ Become ‘Us’: A Generational Perspective on Mexican-American Political Behavior</td>
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<td>Jasmine Wise</td>
<td>How Do Housing Interventions Affect Parenting in Homeless Families?</td>
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<td>Adrienne Slaughter</td>
<td>Integrating Black Students: Examining the Impact of Integrated Schools on the Educational Experience of Black Students</td>
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<td>2:45 PM</td>
<td>April Brown</td>
<td>Evaluating the Effectiveness of Emotion Elicitation</td>
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<td>Isabella Proia</td>
<td>The Subtleness of the Sea: American Encounters in the Caribbean and the Illustrated Diary of William H. Meyers, 1838-1839</td>
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<td>Amanda Gomez</td>
<td>Queer Figures in Latina Literature</td>
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<td>Adee Benartzy</td>
<td>The Pastel Sketch: Communicating Sexuality and Promiscuity in Late-Nineteenth Century Paris</td>
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<td>Norrell Edwards</td>
<td>South African Literature</td>
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<td>Jeremy Griffin</td>
<td>Free the Black Homosexual: Acknowledging Truth in Black America</td>
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<td>4:30 PM</td>
<td>Tessa Lowinske Desmond</td>
<td>Negative Emotions and their Effects on CVD Risk Factors</td>
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<td>Adriana Santos</td>
<td>The Interactions between Dopamine and Corticotropin Releasing Factor in the Amygdala and their Effects on Anxiety</td>
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<td>Cynthia Cohen</td>
<td>The Role of Community Resources in Preventing and Managing Diabetes in New York City Neighborhoods with Different Socioeconomic Statuses</td>
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<td>Dominique Grasty</td>
<td>Analyzing Attempts to Bridge the Gender Gap Among Physician Scientists: Are New Programs at NIH and Schools of Medicine Making a Difference?</td>
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<td>Austin Roth</td>
<td>Development of Fear Extinction Learning and Spontaneous Recovery in Humans: Implications for Treatment of Childhood Anxiety Disorders</td>
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<td>Tanya Sanabria</td>
<td>Women in the Workforce: The Stalled Gender Revolution</td>
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<td>Asha Canady</td>
<td>Children in Toni Morrison's Work</td>
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<td>Andrew Manns</td>
<td>Bridging the Gap between Human Depravity and Dignity: The Imagination in Gianfrancesco Pico's De Imaginatione</td>
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<td>Allister Plater</td>
<td>Teen Mothers Coping with Stress: Development of a New Measure</td>
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<td>Victor Gonzalez</td>
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<td>Aruba Hussain</td>
<td>Attitudes towards Risk and Ambiguity in Young and Older Adults</td>
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<td>Luke Wandrey</td>
<td>Peer Relations in Adolescents: Physiological and emotional Brain Responses during Social Evaluation</td>
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<td>Vincent Jones IV</td>
<td>Baby Boomers and Facebook: How Baby Boomers Negotiate their Virtual Identities and Engage New Media Compared to Generations X and Y</td>
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<td>Mary Hofto Grae</td>
<td>The Subversive Readership of the Early Gothic Novel</td>
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<td>Malinda Balfour</td>
<td>College Readiness: Preparing Students Academically and Socially for a Successful College Experience</td>
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<td>Thomas Anderson</td>
<td>Understanding Low-Fertility in South Korea: A Cultural Approach</td>
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<td>Alesha Henderson</td>
<td>Factors Affecting Racial/Ethnic Health Disparities: A Focus on Breast Cancer</td>
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<td>Cayla Echols</td>
<td>Implicit Biases in Surgery</td>
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<td>Xzania White</td>
<td>Linking Pathways to African American Success (PAAS) to Youth Self-Regulation in Order to Predict HIV Risk Vulnerability</td>
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<td>Yaseen Eldik</td>
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<td>Glamildi Rondon</td>
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<td>Liana Donahue</td>
<td>Culpability and the Moral Community: An analysis of a Cape Coloured Gangster’s Ideology</td>
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<td>Rebba Moore</td>
<td>Why Don’t Americans Care? Public Support for Social Welfare in a Diverse Nation</td>
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<td>Danielle Wiggins</td>
<td>The Right’s Black Darlings: Perceptions of Black Republicans in the Reagan Administration</td>
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<td>Patricio Martínez Llompart</td>
<td>Insanity, the Deviant and Mass Incarceration: The Puerto Rican Case</td>
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<td>Nicole Perez</td>
<td>Empowering Students: The Relationship between Multicultural Curricula and Educational Achievement</td>
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<td>Glenn Love</td>
<td>Unpacking the Great Equalizer: A Reassessment of Social Mobility and the Impacts of Race on Poverty</td>
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<td>Gavin Fung</td>
<td>Children’s Use of Pedagogical Cues to Guide Exploration</td>
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<td>Molly Galloway</td>
<td>Reading Between the Lines: Self Identifying Biracial Students in the Black-White Achievement Gap</td>
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<td>Kristina Donathan</td>
<td>Public Perception on Punishment of Juveniles with Different Underlying Factors to the Commitment of the Crime</td>
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<td>Angela Crumdy</td>
<td>A Nation for All? Black Political Expression in Cuba, 1911-2011</td>
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<td>Andrew Brooks</td>
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<td>Daniel Rios</td>
<td>Violence and Globalization in 21st Latin American Literature</td>
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<td>Luis Trujillo</td>
<td>Recolonization and the Police State</td>
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<td>Jonathan Topaz</td>
<td>Persistent Authoritarianism in the Middle East</td>
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<td>Michael Murphy</td>
<td>An Examination of Global Environmental Change and its Effect on Globalization and Global Capitalism</td>
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<td>Milbrook, HU/SS/PE</td>
<td>Christopher De La Cerda, University of Virginia, 2:45 - 4:15</td>
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<td>Matthew Harris</td>
<td>The Behavior Criterion: A Refutation of the Chinese Room Argument</td>
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<td>Alexander DeLeon</td>
<td>A Comparative Study: Maryland Household Wealth Sensitivity to the Ongoing Foreclosure Epidemic</td>
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<td>Hien Nguyen</td>
<td>Role of Hippocampal Dendritic Spines in Memory Consolidation of Rats</td>
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<td>Jordan Encarnacion</td>
<td>Neurochemicals Mediating Memory Consolidation in Adult Male Rats</td>
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<td>Dyan Ruiz Connelly</td>
<td>Centrality of Independence in Spinal Cord Injury Survivors: Implications for Their Own and Caregivers’ Well-being</td>
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<td>Shemariah Ellis</td>
<td>Novel Strategies to Parcellating the Basal Ganglia in Humans</td>
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<td>Key Jo Lee, Yale University, 4:30 - 5:45</td>
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<td>Anaya Gonda</td>
<td>Mental Representations of Language: Investigating a Novel Priming Effect in the Perception of Goal-Directed Behaviors</td>
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<td>Natalie Rodriguez</td>
<td>Gender Differences in Depression</td>
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<td>Mary Remy</td>
<td>Domestic Violence on College Campuses and Community Involvement</td>
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<td>Zulie Camacho</td>
<td>Challenging Navigationally Experienced Weakly Electric Fish in a Novel Environment: Maze Learning, Electric Organ Discharge and the Learning Molecular PKM zeta</td>
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<td>Elizabeth Vargas</td>
<td>The Role of Serotonin Receptor Subtype 5-HTR6 on Prepulse Inhibition of the Goldfish Startle Escape Behavior</td>
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<td>Matthew Montemore, University of Colorado at Boulder, 11:15 - 12:45</td>
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<td>Guy Geyer</td>
<td>Fiber Taper Probe for Probing Photonic Crystal Microcavities</td>
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<td>Kendra Souther</td>
<td>Liquid Crystals: An Answer for Alternative Energy</td>
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<td>Miguel Rodriguez</td>
<td>Mechanical Properties of Large Graphene Balloons</td>
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<td>Korine Duval</td>
<td>Fabrication of Polyelectrolyte Complex Microcapsules via Electrospray</td>
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<td>Dawn Sreen</td>
<td>Fabrication of Artificial Microstructures Using Bulk Metallic Glass</td>
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<td>Patrick Llull</td>
<td>Stochastic Drift Correction for a Super-Resolution Microscope</td>
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<td>New London, PS/EN/ES</td>
<td>Brittney Davis, University of Maryland, Baltimore County, 2:45 - 4:15</td>
<td></td>
</tr>
<tr>
<td>Alexis Brown</td>
<td>Investigating Invasive Species and Native Amphibian Communities in Colorado Wetlands</td>
<td>02:45 PM</td>
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<tr>
<td>Marissa Reyes-Diaz</td>
<td>Relationship between Mortality and Density in the Invasive Species Linaria dalmatica and the Biological Control Mecinus janthinus in Colorado</td>
<td>03:00 PM</td>
</tr>
<tr>
<td>Natalie Freeman</td>
<td>Southern Ocean Deoxygenation in a Warming World</td>
<td>03:15 PM</td>
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<tr>
<td>Adriana Collazo</td>
<td>Presence and Localization of E. coli O157:H7 within Constructed Wetland Water Treatment Systems</td>
<td>03:30 PM</td>
</tr>
<tr>
<td>Nathaniel Enriquez</td>
<td>Synthesis of Bionic Analogs of RuBisCo</td>
<td>03:45 PM</td>
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<tr>
<td>Veronica Hogg-Cornejo</td>
<td>Collagen Quantification of the Fetal Membrane</td>
<td>04:00 PM</td>
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### Sheffield, PS/EN/ES,
Cristina Lopez-Fagundo, Brown University, 11:15 - 12:45

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<tr>
<th>Presenter</th>
<th>Title</th>
<th>Time</th>
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<tbody>
<tr>
<td>Douglas Ball</td>
<td>Nano-structured oxide semiconductor composites for photocatalysis</td>
<td>11:15 AM</td>
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<tr>
<td>Heather Hawkes</td>
<td>The Piezoelectric Properties of Zinc Oxide Thin Films</td>
<td>11:30 AM</td>
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<tr>
<td>Gentry Tran</td>
<td>Interaction Forces and Contamination on Smectic Films</td>
<td>11:45 AM</td>
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<tr>
<td>Jose Sanchez</td>
<td>Characterization of the GaN-MgO Transistor’s Interface</td>
<td>12:00 PM</td>
</tr>
<tr>
<td>Adriana Santiago-Miranda</td>
<td>The Effect of Poly(lactic-co-glycolic acid) Density in Carbon Nanofiber Composites for Myocardial Tissue Engineering Applications</td>
<td>12:15 PM</td>
</tr>
<tr>
<td>Victoria Rosborough</td>
<td>Oxide semiconductor heterostructures for photocatalysis</td>
<td>12:30 PM</td>
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### Stonington, PS/EN/ES,
Chloe Poston, Brown University, 11:15 - 12:45

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<th>Presenter</th>
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<tbody>
<tr>
<td>Connie Chan</td>
<td>Demonstration of DNA Repair in Virus after UV Disinfection using Coliphages as Surrogates</td>
<td>11:15 AM</td>
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<tr>
<td>Mindy Lee</td>
<td>Alternative Synthesis of HIV Protease Inhibitor Darunavir</td>
<td>11:30 AM</td>
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<tr>
<td>Brajaan Hayes</td>
<td>Ribeiroia vs Snails: Which Snails can be Infected by Ribeiroa ondatrae?</td>
<td>11:45 AM</td>
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<tr>
<td>Nicholas Ravvin</td>
<td>The Use of Porphyrins as Photodynamic Therapy Agents</td>
<td>12:00 PM</td>
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<tr>
<td>Valencia Wise</td>
<td>Predicting Disease Genes using Protein Interaction Networks</td>
<td>12:15 PM</td>
</tr>
<tr>
<td>Asmaou Diallo</td>
<td>Demonstrating Brain Metabolic Changes due to mTBI using 3D MRS</td>
<td>12:30 PM</td>
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### Stonington, PS/EN/ES,
Jose Solis, University of Colorado at Boulder, 2:45 - 3:45

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<tr>
<th>Presenter</th>
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<tbody>
<tr>
<td>Alba Serrano</td>
<td>Fluidic Injection for Thrust Vectoring and Flow Control</td>
<td>02:45 PM</td>
</tr>
<tr>
<td>Austin Tucker</td>
<td>Initial Findings on the Effects of Workload on Humans when Interacting with Robots</td>
<td>03:00 PM</td>
</tr>
<tr>
<td>Alexandra Guerra</td>
<td>Evaluation of Applications and of Environmental Health Effects of Biomass Derived Fuels</td>
<td>03:15 PM</td>
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<tr>
<td>Karla Rosario</td>
<td>Human Factors in Dream Chaser’s Vehicle Design</td>
<td>03:30 PM</td>
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</table>

### Stonington, PS/EN/ES,
David Stout, Brown University, 4:30-5:45

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<tr>
<th>Presenter</th>
<th>Title</th>
<th>Time</th>
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<tbody>
<tr>
<td>Tiffany Rolle</td>
<td>Development of a Portable GC-MS Methodology for the Evaluation of the Level of Food Spoilage</td>
<td>04:30 PM</td>
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<tr>
<td>Naderge Nwana</td>
<td>Role of Melanocortin 4 Receptor (MC4R) in Obesity</td>
<td>04:45 PM</td>
</tr>
<tr>
<td>Jojo Yeboa</td>
<td>Agonist-Induced Binding of the Regulatory Scaffold Protein Spinophilin to Phospholipase-C in Platelets</td>
<td>05:00 PM</td>
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<tr>
<td>Rachel Rudlaff</td>
<td>Oxidative Stress in the Endothelium: To Live or to Die</td>
<td>05:15 PM</td>
</tr>
<tr>
<td>Adrienne Bird</td>
<td>Evaluating Sampling Protocols on the Little Big Horn River</td>
<td>05:30 PM</td>
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</table>
**ORAL PRESENTATIONS BY NAME**

**Meinkeng Acha-Morfaw** ............. 03:15 PM, Putnam
Presentation Title: Improving the Solubility of the Myristoylated FIV Matrix Protein for NMR Structural Studies and its Possible Role as an HIV Animal Model
Research Mentor: Michael Summers
Research Institution: University of Maryland, Baltimore County
Home Institution: Hood College
Co-Authors: Lola Brown, Ryan Button and Michael Summers, University of Maryland, Baltimore County

**Ivan Albino Flores** ...................... 02:45 PM, Mead C
Presentation Title: Examine the Contribution of an N-linked Glycosylation Site at Residue 161 of A56 to A56’s Interaction with VCP
Research Mentor: Stuart Isaacs
Research Institution: University of Pennsylvania
Home Institution: UPR-Mayaguez
Co-Authors: Edward Bell and Stuart Isaacs, University of Pennsylvania

**Michael Adu** ....................... 05:00 PM, Laddins Rock
Presentation Title: Identifying Real Defective Interfering (DI) Genome through Running of PCR
Research Mentor: Carolina Lopez
Research Institution: University of Pennsylvania
Home Institution: Virginia Polytechnic Institute and State University
Co-Authors: Carolina Lopez, University of Pennsylvania

**Anamaria Alexandrescu** ...... 03:15 PM, Winthrop A
Presentation Title: Cell Type Selective Reduction of NMDA Receptors For Schizophrenia Targeted Therapeutic Development
Research Mentor: Steven Siegel
Research Institution: University of Pennsylvania
Home Institution: Florida Atlantic University
Co-Authors: Steven J. Siegel and Valerie Leitman, University of Pennsylvania

**Rhiannon Aguilar** .............. 12:00 PM, Laddins Rock
Presentation Title: Preliminary Manipulation of the SMYD Proteins for use in Bioorthogonal Profiling of Protein Methylation
Research Mentor: Minkui Luo
Research Institution: Weill Cornell Medical College
Home Institution: University of Maryland, College Park
Co-Authors: Minkui Luo, Jamie McBean and Joshua Linscott, Weill Cornell/Rockefeller/Sloan-Kettering Tri-Institutional

**Alessandra Alicea** ..................... 05:00 PM, Mead C
Presentation Title: Analysis of Fhos in Drosophila melanogaster Muscle Function
Research Mentor: Gordon Huggins
Research Institution: Tufts University BioMedical Sciences
Home Institution: UPR-Rio Piedras
Co-Authors: Gordon Huggins and Isabelle Draper, Tufts University School of Graduate Biomedical Sciences

**Kevin Alicea Torres** .................... 04:30 PM, Mead B
Presentation Title: The Impact of Bariatric Surgery on Insulin Sensitivity in Human Adipose Tissue
Research Mentor: Matthew Brady
Research Institution: University of Chicago
Home Institution: UPR-Humacao
Co-Authors: Matthew Brady and Samantha Pabich, University of Chicago

**Opeyemi Alabi** ....................... 03:00 PM, Laddins Rock
Presentation Title: Circuit Structure Underlying Short-Term Memory
Research Mentor: Emre Aksay
Research Institution: Weill Cornell Medical College
Home Institution: Harvard University
Co-Authors: Emre Aksay and Keyvon Daie, Weill Cornell/Rockefeller/Sloan-Kettering Tri-Institutional

**BB**
Jawara Allen ................................. 11:30 AM, Mead B
Presentation Title: Structural and Functional Analysis of RAR-Related Orphan Receptor gamma (ROR gamma) in Th17 Cells
Research Mentor: Wendy Huang
Research Institution: New York University Sackler Institute
Home Institution: Duke University
Co-Authors: Wendy Huang and Dan Littman, New York University
BB

Silas Altheimer ...................... 11:30 AM, Belle Haven
Presentation Title: Uncle Tom’s Cabin and the Vocabularies of a “Black Church”
Research Mentor: Curtis Evans
Research Institution: University of Chicago
Home Institution: Haverford College
Co-Authors: Curtis Evans and Danny Gibboney, Jr., University of Chicago
HU

Melissa Alvarado-Velez ............... 11:45 AM, Mead B
Presentation Title: Role of Oxidative Stress in Neurotoxic Effect of cART Drugs
Research Mentor: Kelly Jordan-Sciutto
Research Institution: University of Pennsylvania
Home Institution: UPR-Mayaguez
Co-Authors: Melissa Alvarado-Velez, Akin Odeleye and Kelly Jordan-Sciutto, University of Pennsylvania
BB

Alvaro Amor ............................ 11:30 AM, Roundhill
Presentation Title: Direct Observation of the Transition between the Broken and Extended Helix States of the Parkinson’s-linked Protein α-synuclein by CD and NMR Spectroscopy
Research Mentor: David Eliezer
Research Institution: Weill Cornell Graduate School
Home Institution: Ursinus College
Co-Authors: David Eliezer, Weill Cornell Graduate School of Medical Sciences; Trudy Ramllall, Weill Cornell Medical College; Igor Dikiy, Weill Cornell Graduate School of Medical Sciences
BB

Thomas Anderson .......................... 11:30 AM, Cos Cob
Presentation Title: Understanding Low-Fertility in South Korea: A Cultural Approach
Research Mentor: Hans-Peter Kohler
Research Institution: University of Pennsylvania
Home Institution: Virginia Polytechnic Institute and State University
Co-Authors: Hans-Peter Kohler, University of Pennsylvania
SS

Alejandro Arroyo-Pacheco... 05:30 PM, Winthrop A
Presentation Title: Identification of Biomarkers in Blood Plasma for Ovarian Cancer Early Detection
Research Mentor: David Speicher
Research Institution: University of Pennsylvania
Home Institution: UPR-Rio Piedras
Co-Authors: Lynn Beer and David W. Speicher, University of Pennsylvania
AB

Olubusayo Awe .......................... 05:00 PM, Roundhill
Presentation Title: Lipoprotein Metabolism in Metabolically Healthy Obese (MHO) vs. Metabolic Abnormal Obese (MAO) - Isolation and Derivatization of HDL-AL Lipoprotein from Human Samples
Research Mentor: Henry Ginsberg
Research Institution: Columbia University
Home Institution: Morehouse College
Co-Authors: Gissette Reyes-Soffer, Ellie Coromilas and Henry Ginsberg, Columbia University
AB

Jesus Ayala ............................. 03:15 PM, Winthrop B
Presentation Title: Investigating Potential Glial Cell Abnormalities in lpr-1 and let-4 Mutants
Research Mentor: Meera Sundaram
Research Institution: University of Pennsylvania
Home Institution: UPR-Humacao
Co-Authors: Vinnie Mancuso and Meera Sundaram, University of Pennsylvania
BB
Sarah Azarchi ..................... 03:45 PM, Laddins Rock
Presentation Title: Novel Conformationally Directed Immunomodulation for Reducing Amyloid and Tau in Alzheimer’s Disease Related Pathology in a Mouse Model
Research Mentor: Thomas Wisniewski
Research Institution: New York University Sackler Institute
Home Institution: Brandeis University
Co-Authors: Thomas Wisniewski, Kin-Lung Valentino Wong and Fernando Goni, New York University
AB

Malinda Balfour ..................... 11:15 AM, Cos Cob
Presentation Title: College Readiness: Preparing Students Academically and Socially for a Successful College Experience
Research Mentor: Constance Ellison
Research Institution: Howard University
Home Institution: DePaul University
Co-Authors: Constance Ellison, Howard University SS

Douglas Ball ......................... 11:15 AM, Sheffield
Presentation Title: Nano-structured oxide semiconductor composites for photocatalysis
Research Mentor: Fred Walker
Research Institution: Yale University
Home Institution: Utah State University
Co-Authors: Fred Walker and Joe Ngai, Yale University PS

Candace Banks ..................... 11:15 AM, Byram Shore
Presentation Title: Language and Identity
Research Mentor: Gregory Walton
Research Institution: Stanford University
Home Institution: Dillard University
Co-Authors: Greg Walton, Stanford University School of Humanities & Sciences
SS

Christopher Bartolome ........ 03:30 PM, Winthrop B
Presentation Title: The Role of Ras-GRF1 and Ras-GRF2 IQ Motifs in Memory Formation and Learning
Research Mentor: Larry Feig
Research Institution: Tufts University BioMedical Sciences
Home Institution: Boston University
Co-Authors: Larry Feig, Tufts University School of Graduate Biomedical Sciences
BB

Brian Becker ......................... 03:45 PM, Winthrop A
Presentation Title: The Interaction of Membrane Proximal Domains of Receptor Tyrosine Kinases Tie1 and Tie2
Research Mentor: Kathryn Ferguson
Research Institution: University of Pennsylvania
Home Institution: Fairleigh Dickinson University
Co-Authors: Kathryn Ferguson and Jason Moore, University of Pennsylvania
BB

Rene Begay .......................... 05:30 PM, Mead B
Presentation Title: Regulation of Kisspeptin in GnRH-deficient Adult Transgenic Animals
Research Mentor: Rene Begay
Research Institution: University of Colorado at Boulder
Home Institution: University of Arizona
Co-Authors: Johanna Rochester and Pei-San Tsai, University of Colorado at Boulder
AB

Tiffany Bell .......................... 12:30 PM, Mead A
Presentation Title: Elucidating the Regulation of Interleukin-1 Receptor Antagonist by Matrilin-3
Research Mentor: Qian Chen
Research Institution: Brown University
Home Institution: Yale University
Co-Authors: Qian Chen and Chathuraka Jayasuriya, Brown University
BB

Adee Benartzy .......................... 03:30 PM, Belle Haven
Presentation Title: The Pastel Sketch: Communicating Sexuality and Promiscuity in Late-Nineteenth Century Paris
Research Mentor: Key Jo Lee
Research Institution: Yale University
Home Institution: University of Central Florida
Co-Authors: Key Jo Lee, Yale University
HU

Carcha Bernard ...................... 03:15 PM, Laddins Rock
Presentation Title: Evaluation of Neural Phenotypes and Therapeutic Interventions in a Zebrafish Model of Batten’s Disease
Research Mentor: Rita Balice-Gordon
Research Institution: University of Pennsylvania
Home Institution: Temple University
Co-Authors: Rita Balice-Gordon, Amy Kugath and Micheal Bennett, University of Pennsylvania
AB
Adrienne Bird .......................... 05:30 PM, Stonington
Presentation Title: Evaluating Sampling Protocols on the Little Big Horn River
Research Mentor: Sara Plaggemeyer
Research Institution: Little Big Horn College
Home Institution: Little Big Horn College
Co-Authors: Sara Plaggemeyer, Little Big Horn College
ES

Alexandria Broadnax........... 05:15 PM, Laddins Rock
Presentation Title: Food Insecurity and Chronic Kidney Disease: the Healthy Aging in Neighborhoods of Diversity across the LifeSpan (HANDLS) Study
Research Mentor: Deidra Crews
Research Institution: Johns Hopkins University
Home Institution: Dillard University
Co-Authors: Deidra Crews, Johns Hopkins University; Marie Kuczynski, University of Delaware; Neil Powe, University of California at San Francisco
AB

Andrew Brooks ..................... 11:30 AM, Milbrook
Presentation Title: The IMF and Ethnic Conflict
Research Mentor: Brendan O'Leary
Research Institution: University of Pennsylvania
Home Institution: University of Tulsa
Co-Authors: Brendan O'Leary, University of Pennsylvania
SS

Jason Brouster ..................... 02:45 PM, Byram Shore
Research Mentor: Samuel Roberts
Research Institution: Columbia University
Home Institution: Wayne State University
Co-Authors: Samuel Roberts and Elizabeth Kai Hinton, Columbia University
HU

Alexis Brown ......................... 02:45 PM, New London
Presentation Title: Investigating Invasive Species and Native Amphibian Communities in Colorado Wetlands
Research Mentor: Valerie McKenzie
Research Institution: University of Colorado at Boulder
Home Institution: University of Maryland, Baltimore County
Co-Authors: Valerie McKenzie and Anna Peterson, University of Colorado at Boulder
ES

April Brown ......................... 02:45 PM, Belle Haven
Presentation Title: Evaluating the Effectiveness of Emotion Elicitation
Research Mentor: Susan Rivers
Research Institution: Yale University
Home Institution: Spelman College
Co-Authors: Susan Rivers and Marc Brackett, Yale University
SS

Isola Brown ......................... 12:15 PM,, Winthrop B
Presentation Title: Observing the Effect of Salmonella enterica Infection on Cellular Organelle Phenotype
Research Mentor: Amy Palmer
Research Institution: University of Colorado at Boulder
Home Institution: University of Pennsylvania
Co-Authors: Sarah McQuate and Amy Palmer, University of Colorado at Boulder
BB

Joshua Brown ....................... 11:45 AM,, Winthrop B
Presentation Title: Inhibition of HIV Capsid Protein
Research Mentor: Michael Summers
Research Institution: University of Maryland, Baltimore County
Home Institution: University of West Florida
Co-Authors: Michael F. Summers, University of Maryland, Baltimore County
AB

Gregory Bryman ............... 12:30 PM,, Laddins Rock
Presentation Title: Hypoxia Inducible Factor-1alpha in signaling downstream of Glycogen Synthase Kinase-3 Inhibition in the Mouse Brain
Research Mentor: Peter Klein
Research Institution: University of Pennsylvania
Home Institution: University of Rochester
Co-Authors: W. Timothy O’Brien and Peter S. Klein, University of Pennsylvania
BB

Amanda Buch....................... 03:30 PM, Laddins Rock
Presentation Title: Human ES Cell-derived Dopaminergic Neuron Grafts lead to Functional Recovery in Parkinsonian Rats
Research Mentor: Viviane Tabar
Research Institution: Weill Cornell Medical College
Home Institution: Fordham University
Co-Authors: Viviane Tabar, Jinghua Piao and Gordon Auyeung, Memorial Sloan-Kettering Cancer Center
BB
Michael Burel ................................. 04:45 PM, Mead B
Presentation Title: Genetic Circuits Controlling Stem Cell Self-Renewal in the Drosophila Testis
Research Mentor: Erika Bach
Research Institution: New York University Sackler Institute
Home Institution: University of Georgia
Co-Authors: Marc Amoyel and Erika Bach, New York University

Caitlin Burgdorf ................. 02:45 PM, Laddins Rock
Presentation Title: Effects of Predator Odor Stress on CRF Release and Cognitive Flexibility in Rats
Research Mentor: Rita Valentino
Research Institution: University of Pennsylvania
Home Institution: Muhlenberg College
Co-Authors: Rita Valentino, University of Pennsylvania

Aisha Burton ...................... 05:15 PM, Putnam
Presentation Title: Fluorescein Isothiocyanate Attaches to Proteins on Living Cells
Research Mentor: Adam Hammond
Research Institution: University of Chicago
Home Institution: University of Illinois at Chicago
Co-Authors: Adam Hammond and Angelina Ocampo, University of Chicago

Zulie Camacho ...................... 05:15 PM, Milbrook
Presentation Title: Challenging Navigationally Experienced Weakly Electric Fish in a Novel Environment: Maze Learning, Electric Organ Discharge and the Learning Molecular PKM zeta
Research Mentor: Peter Moller
Research Institution: Hunter College
Home Institution: UPR-Mayaguez
Co-Authors: Peter Moller and Peter Serrano, Hunter College

Asha Canady ......................... 03:15 PM, Byram Shore
Presentation Title: Children in Toni Morrison's Work
Research Mentor: Kenneth Warren
Research Institution: University of Chicago
Home Institution: Occidental College
Co-Authors: Kenneth Warren, University of Chicago

Connie Chan ............................. 11:15 AM, Stonington
Presentation Title: Demonstration of DNA Repair in Virus after UV Disinfection using Coliphages as Surrogates
Research Mentor: Karl Linden
Research Institution: University of Colorado at Boulder
Home Institution: Columbia University
Co-Authors: Karl Linden, Roberto Rodriguez and Sarah Bounty, University of Colorado at Boulder

James Chavre ........................... 05:30 PM, Mead A
Presentation Title: Effect of Acrolein on Cardiac Fibroblast Proliferation
Research Mentor: Gaurav Choudhary
Research Institution: Brown University
Home Institution: Columbia University
Co-Authors: Gaurav Choudhary and Alexander Vang, Brown University

Dahima Cintron .................... 03:45 PM, Winthrop B
Presentation Title: Evaluating the Necessity of Acetylcholine During Learning of Reward Timing in Mice using Immediate Early Gene Expression
Research Mentor: Marshall Shuler
Research Institution: Johns Hopkins University
Home Institution: UPR-Rio Piedras
Co-Authors: Marshal Shuller, Johns Hopkins University

Elisia Clark ............................ 05:00 PM, Winthrop A
Presentation Title: The Role of Lipid Uptake in Cancer Cells
Research Mentor: Edward Delikatny
Research Institution: University of Pennsylvania
Home Institution: University of Maryland, Baltimore County
Co-Authors: Jim Delikatny and Daniel-Joseph Leung, University of Pennsylvania
Cynthia Cohen ...................... 05:00 PM, Belle Haven
Presentation Title: The Role of Community Resources in Preventing and Managing Diabetes in New York City Neighborhoods with Different Socioeconomic Statuses
Research Mentor: Nicholas Freudenberg
Research Institution: Hunter College
Home Institution: Cornell University
Co-Authors: Nicholas Freudenberg, Nancy Sohler and Kanwal Kalim, Hunter College
AB

Adriana Collazo ................... 03:30 PM, New London
Presentation Title: Presence and Localization of E. coli O157:H7 within Constructed Wetland Water Treatment Systems
Research Mentor: Mark Burr
Research Institution: Montana State University
Home Institution: UPR-Rio Piedras
Co-Authors: Mark Burr and Rachel VanKempen-Fryling, Montana State University
ES

Angela Crumdy ..................... 11:15 AM, Milbrook
Presentation Title: A Nation for All? Black Political Expression in Cuba, 1911-2011
Research Mentor: Keisha-Khan Perry
Research Institution: Brown University
Home Institution: University of Michigan-Ann Arbor
Co-Authors: Keisha-Khan Perry, Brown University
SS

Norbert Cruz .......................... 11:15 AM, Roundhill
Presentation Title: Varying Statistical Structure of Sounds: Effect on Behavioral Discrimination of Rats and on Response Properties of the Auditory Cortex
Research Mentor: Maria Geffen
Research Institution: University of Pennsylvania
Home Institution: UPR-Rio Piedras
Co-Authors: Maria Geffen and Isaac Carruthers, University of Pennsylvania; General Lee, Case Western Reserve University
AB

Jean Damisse ......................... 12:00 PM, Mead A
Presentation Title: Study of the interactions between CA-NC and the 50-UTR of the HIV-1 Virus
Research Mentor: Michael Summers
Research Institution: University of Maryland, Baltimore County
Home Institution: Brevard Community College
Co-Authors: Michael Summers and Xiao Heng, University of Maryland, Baltimore County
BB

Zharko Daniloski ..................... 12:15 PM, Mead C
Presentation Title: Characterization of Novel Interacting Partners of Laminin Receptor
Research Mentor: Lisa Venticinque
Research Institution: New York University Sackler Institute
Home Institution: Jacobs University Bremen
Co-Authors: Lisa Venticinque and Daniel Meruelo, New York University
BB

Alexander DeLeon .................... 03:00 PM, Milbrook
Presentation Title: A Comparative Study: Maryland Household Wealth Sensitivity to the Ongoing Foreclosure Epidemic
Research Mentor: Liza Cariaga-Lo
Research Institution: Harvard University
Home Institution: Morehouse College
Co-Authors: Liza Cariaga-Lo and Tessa Lewinske-Desmond, Harvard University Arts and Sciences
SS

Fiona Desland ....................... 03:30 PM, Mead C
Presentation Title: Determining Positive Regulators of the Nitric Oxide-Detoxifying Gene hmpA, in Vibrio Cholerae
Research Mentor: Jun Zhu
Research Institution: University of Pennsylvania
Home Institution: University of Florida
Co-Authors: Andrew Stern and Jun Zhu, University of Pennsylvania
BB

Asmaou Diallo ....................... 12:30 PM, Stonington
Presentation Title: Demonstrating Brain Metabolic Changes due to mTBI using 3D MRS
Research Mentor: Oded Gonen
Research Institution: New York University Sackler Institute
Home Institution: Fordham University
Co-Authors: Xiaodan Yan, Ivan Kirov and Oded Gonen, New York University
PS
Liana Donahue ............................. 03:00 PM, Cos Cob
Presentation Title: Culpability and the Moral Community: An analysis of a Cape Coloured Gangster’s Ideology
Research Mentor: Kwame Appiah
Research Institution: Princeton University
Home Institution: Bryn Mawr College
Co-Authors: Kwame Anthony Appiah, Princeton University
HU

Kristina Donathan ...................... 05:15 PM, Cos Cob
Presentation Title: Public Perception on Punishment of Juveniles with Different Underlying Factors to the Commitment of the Crime
Research Mentor: Julia Kim-Cohen
Research Institution: Yale University
Home Institution: Chaminade University of Honolulu
Co-Authors: Julia Kim-Cohen and Christopher Wildeman, Yale University
SS

Renee Dudley .............................. 05:15 PM, Mead A
Presentation Title: The Effect of Aging on the Reduction of Metabolic Cost during Motor Learning
Research Mentor: Renee Dudley
Research Institution: University of Colorado at Boulder
Home Institution: Rice University
Co-Authors: Helen Huang and Alaa Ahmed, University of Colorado at Boulder
AB

Korine Duval ............................. 12:00 PM, New London
Presentation Title: Fabrication of Polyelectrolyte Complex Microcapsules via Electrospray
Research Mentor: Chinedum Osuji
Research Institution: Yale University
Home Institution: University of Maryland, Baltimore County
Co-Authors: Zhiyong Meng and Chinedum Osuji, Yale University
EN

Chelsea Earby ......................... 11:30 AM, Laddins Rock
Presentation Title: Pulmonary Arterial Smooth Muscle Cell Migration is Calcium Dependent
Research Mentor: Larissa Shimoda
Research Institution: Johns Hopkins University
Home Institution: Florida A&M University
Co-Authors: Larissa Shimoda, Julie Maylor and Clark Undem, Johns Hopkins University
BB

Cayla Echols .............................. 12:00 PM, Cos Cob
Presentation Title: Implicit Biases in Surgery
Research Mentor: Geoffrey Cohen
Research Institution: Stanford University
Home Institution: Tuskegee University
Co-Authors: Geoff Cohen and Arghavan Salles, Stanford University School of Humanities & Sciences
SS

Christopher Ecker .................... 11:15 AM, Winthrop B
Presentation Title: Identification and Isolation of HIV-1 Specific T Regulatory Cells
Research Mentor: Marylyn Addo
Research Institution: Harvard University
Home Institution: University of Maryland, Baltimore County
Co-Authors: Mathieu Angin, Bruce Walker and Marylyn Addo, Harvard University Div. of Medical Sciences
AB

Norrell Edwards ....................... 03:45 PM, Belle Haven
Presentation Title: South African Literature
Research Mentor: Michele Elam
Research Institution: Stanford University
Home Institution: Hunter College
Co-Authors: Michele Elam, Stanford University School of Humanities & Sciences
HU

Charles Eke ............................... 05:00 PM, Putnam
Presentation Title: Trafficking of Retinal Degeneration Slow (RDS) within Cysteine Mutants Using Polarized Epithelial Cells as a Surrogate Model for Photoreceptor Trafficking
Research Mentor: Kathleen Battaglia
Research Institution: University of Pennsylvania
Home Institution: Delaware State University
Co-Authors: Frank Stefano and Kathleen Boesze Battaglia, University of Pennsylvania
BB

Yaseen Eldik ............................. 12:30 PM, Cos Cob
Presentation Title: Silencing Democracy: Getting Islam Out
Research Mentor: Ronald Sullivan
Research Institution: Harvard University
Home Institution: SUNY Stony Brook
Co-Authors: Ronald S. Sullivan, Harvard University Arts and Sciences
SS
Shemariah Ellis ..........................04:00 PM, Milbrook
Presentation Title: Novel Strategies to Parcellating the Basal Ganglia in Humans
Research Mentor: Shemariah Ellis
Research Institution: New York University Sackler Institute
Home Institution: Carnegie Mellon University
Co-Authors: Francisco Xavier Castellanos, Michael Milham and Manuel Garcia, New York University
SS

Jordan Encarnacion ...................03:30 PM, Milbrook
Presentation Title: Neurochemicals Mediating Memory Consolidation in Adult Male Rats
Research Mentor: Victoria Luine
Research Institution: Hunter College
Home Institution: Allegheny College
Co-Authors: Victoria Luine and Hien Nguyen, Hunter College
SS

Nathaniel Enriquez .............03:45 PM, New London
Presentation Title: Synthesis of Bionic Analogs of RuBisCo
Research Mentor: Nilay Hazari
Research Institution: Yale University
Home Institution: Chaminade University of Honolulu
Co-Authors: Nilay Hazari, Yale University
PS

Juliana Falero Perez ............02:45 PM, Winthrop A
Presentation Title: The Role of Dexras1 in Neuronal Iron Homeostasis
Research Mentor: Sangwon Kim
Research Institution: University of Pennsylvania
Home Institution: Universidad del Este
Co-Authors: Sangwon Kim, University of Pennsylvania
BB

Rafael Fernandez ................... 02:45 PM, Mead A
Presentation Title: A Step Towards a Universal Form of Mismatch Repair
Research Mentor: Richard Myers
Research Institution: University of Miami
Home Institution: Yale University
Co-Authors: Richard S. Myers, University of Miami
BB

Briana Fitch ..........................02:45 PM, Roundhill
Presentation Title: Identifying Synthetic Lethality with MYCN Amplification in Neuroblastoma
Research Mentor: Darrell Yamashiro
Research Institution: Columbia University
Home Institution: UC Irvine
Co-Authors: Shuobo Zhang and Darrell Yamashiro, Columbia University
BB

Will Fletcher ..........................03:30 PM, Putnam
Presentation Title: Bilayer-modifying Potential of Limonene and its Metabolites
Research Mentor: Olaf Andersen
Research Institution: Weill Cornell Medical College
Home Institution: Pomona College
Co-Authors: Olaf Andersen and Lea Sanford, Weill Cornell/Rockefeller/Sloan-Kettering Tri-Institutional
BB

Natalie Freeman ...................03:15 PM, New London
Presentation Title: Southern Ocean Deoxygenation in a Warming World
Research Mentor: Nicole Lovenduski
Research Institution: University of Colorado at Boulder
Home Institution: University of Kansas
Co-Authors: Nicole Lovenduski, University of Colorado at Boulder
ES

Gavin Fung ..........................04:45 PM, Cos Cob
Presentation Title: Children's Use of Pedagogical Cues to Guide Exploration
Research Mentor: Ellen Markman
Research Institution: Stanford University
Home Institution: UC Santa Cruz
Co-Authors: Lucas Butler and Ellen Markman, Stanford University School of Humanities & Sciences
SS

Ashla Gaibi ..........................05:30 PM, Roundhill
Presentation Title: Role of Type-1 Collagen in the Remineralization of Diseased Osseous Tissue with Osteogenesis Imperfecta (OI)
Research Mentor: Rhima Coleman
Research Institution: Weill Cornell Medical College
Home Institution: UPR-Rio Piedras
Co-Authors: Hayat Taleb, Rhima Coleman and Adele Boskey, Weill Cornell/Rockefeller/Sloan-Kettering Tri-Institutional
AB
Eduardo Galeana .................. 04:00 PM, Winthrop A
Presentation Title: PKM? and the Synaptic Process that Underlies Odor Shock Conditioning in the Amygdala
Research Mentor: Peter Serrano
Research Institution: Hunter College
Home Institution: San Francisco State University
Co-Authors: Veronica Sebastian, Hunter College; Regina M. Sullivan, New York University; Peter Serrano, Hunter College
BB

Molly Galloway ....................... 05:00 PM, Cos Cob
Presentation Title: Reading Between the Lines: Self Identifying Biracial Students in the Black-White Achievement Gap
Research Mentor: Angel Harris
Research Institution: Princeton University
Home Institution: Grambling State University
Co-Authors: Angel Harris, Princeton University
SS

Guy Geyer ......................... 11:15 AM, New London
Presentation Title: Fiber Taper Probe for Probing Photonic Crystal Microcavities
Research Mentor: Hong Tang
Research Institution: Yale University
Home Institution: Wesleyan University
Co-Authors: Hong Tang, Xufeng Zhang and Kingyan Fong, Yale University
PS

Helya Ghaffari .................. 04:30 PM, Winthrop B
Presentation Title: Chemokine Gene Silencing in the Tumor Microenvironment
Research Mentor: Adrien Erlebacher
Research Institution: New York University Sackler Institute
Home Institution: University of Maryland, Baltimore County
Co-Authors: Patrice Nancy and Adrian Erlebacher, New York University
BB

DeAsia Gilmer ......................... 04:00 PM, Mead A
Presentation Title: Regulation of Gene Expression in the Aging Rat Heart
Research Mentor: William Coetzee
Research Institution: New York University Sackler Institute
Home Institution: Ithaca College
Co-Authors: William Coetzee, Ann Marie Schmidt and Ravichandran Ramasamy, New York University
AB

Allison Gomez ..................... 11:15 AM, Mead B
Presentation Title: Regulation of Pancreatic Cytokines by Fas Ligand in Autoimmune Diabetes Prone Mice
Research Mentor: Abdel Hamad
Research Institution: Johns Hopkins University
Home Institution:
Co-Authors: Abdel Hamad, Johns Hopkins University
BB

Amanda Gomez .................. 03:15 PM, Belle Haven
Presentation Title: Queer Figures in Latina Literature
Research Mentor: Raul Coronado
Research Institution: University of Chicago
Home Institution: University of Miami
Co-Authors: Raul Coronado and Jose Antonio Arellano, University of Chicago
HU

Anaya Gonda .................... 04:30 PM, Milbrook
Presentation Title: Mental Representations of Language: Investigating a Novel Priming Effect in the Perception of Goal-Directed Behaviors
Research Mentor: Yael Niv
Research Institution: Princeton University
Home Institution: Stanford University
Co-Authors: Matthew Botvinick, Debbie Yee and Natalia Cordova, Princeton University
SS

Alejandro Gonzalez ........... 04:00 PM, Putnam
Presentation Title: The Hyper-osmotic Effects on the Pharyngeal Pumping in Caenorhabditis elegans
Research Mentor: David Raizen
Research Institution: University of Pennsylvania
Home Institution: University of North Texas
Co-Authors: David Raizen, University of Pennsylvania
BB

Nathaniel Gonzalez ............... 11:45 AM, Belle Haven
Presentation Title: Democracy and Religious Pluralism: Understanding Interfaith Collaboration
Research Mentor: Jeffrey Stout
Research Institution: Princeton University
Home Institution: University of Southern California
Co-Authors:
SS
Victor Gonzalez ..........04:00 PM, Byram Shore
Presentation Title: Magical Realism in Chicano/a Literature
Research Mentor: Ramon Saldivar
Research Institution: Stanford University
Home Institution: UC Berkeley
Co-Authors: Ramon Saldivar, Stanford University 
School of Humanities & Sciences
HU

Maribel Granja ..................03:45 PM, Mead B
Presentation Title: If Only I Could Quit: How Genes Impact Nicotine Dependence
Research Mentor: Jerry Stitzel
Research Institution: University of Colorado at Boulder
Home Institution: Rutgers University
Co-Authors: Jerry Stitzel, University of Colorado at Boulder
BB

Dominique Grasty .............. 05:15 PM, Belle Haven
Presentation Title: Analyzing Attempts to Bridge the Gender Gap Among Physicians: Are New Programs at NIH and Schools of Medicine Making a Difference?
Research Mentor: Leon Rosenberg
Research Institution: Princeton University
Home Institution: Spelman College
Co-Authors: Leon E. Rosenberg, Princeton University
AB

Zachary Graves ..................... 04:30 PM, Belle Haven
Presentation Title: Negative Emotions and their Effects on CVD Risk Factors
Research Mentor: Danielle Beatty
Research Institution: University of Maryland, Baltimore County
Home Institution: Morehouse College
Co-Authors: Danielle Beatty, Angela Mensah and Faiza Haq, University of Maryland, Baltimore County
SS

Jeremy Griffin .................... 04:00 PM, Belle Haven
Presentation Title: Free the Black Homosexual: Acknowledging Truth in Black America
Research Mentor: GerShun Avilez
Research Institution: Yale University
Home Institution: Tougaloo College
Co-Authors: GerShun Avilez, Yale University
HU

Rebecca Grunberg .................12:15 PM, Byram Shore
Presentation Title: Unexplored Causes of Residential Segregation: Biological Conceptions of Race and Conformity to Norms
Research Mentor: Hazel Markus
Research Institution: Stanford University
Home Institution: Tufts University
Co-Authors: Rebecca Hetey and Jennifer Eberhardt, Stanford University School of Humanities & Sciences
HU

Mariya Grygorenko .................. 05:30 PM, Mead C
Presentation Title: Life after Lung Transplants: Predicting the Onset of Bronchiolitis obliterans Syndrome using Biomarkers
Research Mentor: Reda Girgis
Research Institution: Johns Hopkins University
Home Institution: University of Texas at Austin
Co-Authors: Reda Girgis and Mohamed Gashouta, Johns Hopkins University
AB

Alexsandra Guerra ..................03:15 PM, Stonington
Presentation Title: Evaluation of Applications and of Environmental Health Effects of Biomass Derived Fuels
Research Mentor: Lupita Montoya
Research Institution: University of Colorado at Boulder
Home Institution: Columbia University
Co-Authors: Lupita Montoya, Odessa Gomez and Josh Kearns, University of Colorado at Boulder
EN

Rachana Haliyur ................. 04:45 PM, Laddins Rock
Presentation Title: Investigating the Potential Link between IDH1 and HIF-1 alpha in Glioma
Research Mentor: David Zagzag
Research Institution: New York University Sackler Institute
Home Institution: University of Maryland, Baltimore County
Co-Authors: David Zagzag, New York University
AB
Jane Hand ............................. 04:45 PM, Mead A
Presentation Title: Nutrition and Germline Proliferation in C. elegans
Research Mentor: Jane Hubbard
Research Institution: New York University Sackler Institute
Home Institution: Rutgers University
Co-Authors: Jane Hubbard and Dorota Korota, New York University

Matthew Harris .................... 02:45 PM, Milbrook
Presentation Title: The Behavior Criterion: A Refutation of the Chinese Room Argument
Research Mentor: Kwame Appiah
Research Institution: Princeton University
Home Institution: SUNY College at Geneseo
Co-Authors: Kwame Anthony Appiah, Princeton University

Heather Hawkes ..................... 11:30 AM, Sheffield
Presentation Title: The Piezoelectric Properties of Zinc Oxide Thin Films
Research Mentor: Charles Ahn
Research Institution: Yale University
Home Institution: Harvard University
Co-Authors: Matthew Marshall, Fred Walker and Charles Ahn, Yale University

Brjaan Hayes ......................... 11:45 AM, Stonington
Presentation Title: Ribeiroa vs Snails: Which Snails can be Infected by Ribeiroa ondatrae?
Research Mentor: Pieter Johnson
Research Institution: University of Colorado at Boulder
Home Institution: Eastern Kentucky University
Co-Authors: Bryan LaFonte, Jason Hoverman and Pieter Johnson, University of Colorado at Boulder

Alesha Henderson ..................... 11:45 AM, Cos Cob
Presentation Title: Factors Affecting Racial/Ethnic Health Disparities: A Focus on Breast Cancer
Research Mentor: Ivor Livingston
Research Institution: Howard University
Home Institution: Spelman College
Co-Authors: Ivor Livingston, Howard University

Mayte Hernandez .................... 03:45 PM, Roundhill
Presentation Title: Characterization of Targeted Hedgehog Pathway Alleles in a Mouse Model of Pancreatic Ductal Adenocarcinoma
Research Mentor: Dafydd Thomas
Research Institution: Columbia University
Home Institution: UPR-Rio Piedras
Co-Authors: Dafydd Thomas and Kenneth Olive, Columbia University

Kanesha Hines ......................... 05:00 PM, Mead B
Presentation Title: The Effect of Electrical Stimulation on Neonatal Mice Myocytes Scaffolds
Research Mentor: Kenneth Margulies
Research Institution: University of Pennsylvania
Home Institution: University of Miami
Co-Authors: Rachel Truitt and Kenneth Margulies, University of Pennsylvania

Isabel Hinestrosa .................... 05:15 PM, Winthrop A
Presentation Title: Effects of Mammalian Target of Rapamycin Inhibition on a Breast Cancer Model
Research Mentor: Robert Schneider
Research Institution: New York University Sackler Institute
Home Institution: Boston University
Co-Authors: Robert Schneider and Viviana Volta, New York University

Mary Hofto Grae ...................... 05:15 PM, Byram Shore
Presentation Title: The Subversive Readership of the Early Gothic Novel
Research Mentor: Edward Barnaby
Research Institution: Yale University
Home Institution: Mount Holyoke College
Co-Authors: Edward Barnaby, Yale University

Veronica Hogg-Cornejo ............ 04:00 PM, New London
Presentation Title: Collagen Quantification of the Fetal Membrane
Research Mentor: Virginia Ferguson
Research Institution: University of Colorado at Boulder
Home Institution: University of Colorado at Boulder
Co-Authors: Virginia Ferguson and Brandi Briggs, University of Colorado at Boulder
Joshua Horton ....................... 12:15 PM, Winthrop A
Presentation Title: Mutational Analysis of HIV Coreceptor CCR5
Research Mentor: Nathaniel Landau
Research Institution: New York University Sackler Institute
Home Institution: Indiana University Purdue University
Co-Authors: Nathaniel Landau, Victor Torres and Kayleigh Taylor, New York University

Aruba Hussain ..................... 04:30 PM, Byram Shore
Presentation Title: Attitudes towards Risk and Ambiguity in Young and Older Adults
Research Mentor: Ifat Levy
Research Institution: Yale University
Home Institution: University of Texas at San Antonio
Co-Authors: Ifat Levy, Yale University

Emily Jackson ...................... 04:00 PM, Roundhill
Presentation Title: Role and Regulation of Neuromedin U in Erythropoiesis
Research Mentor: Susan Shetzline
Research Institution: University of Pennsylvania
Home Institution: Amherst College
Co-Authors: Susan Shetzline, University of Pennsylvania

Melissa Jarmel ...................... 04:30 PM, Mead A
Presentation Title: p53 Status Alters the Effects of KLF5 on Cell Proliferation
Research Mentor: Jonathan Katz
Research Institution: University of Pennsylvania
Home Institution: University of Texas at Austin
Co-Authors: Yizeng Yang and Jonathan Katz, University of Pennsylvania

Khyrie Jones .......................... 12:30 PM, Mead B
Presentation Title: Cellular Death as a Protective Defense in Drosophila melanogaster
Research Mentor: Tin Tin Su
Research Institution: University of Colorado at Boulder
Home Institution: University of Rochester
Co-Authors: Tin Tin Su, University of Colorado at Boulder

Tonee Jones ........................... 04:30 PM, Putnam
Presentation Title: Poloxamer 188 Effects on Fetal Bovine Serum after Denaturation and Aggregation
Research Mentor: Raphael Lee
Research Institution: University of Chicago
Home Institution: Morehouse College
Co-Authors: Raphael Lee and Robert Kulwin, University of Chicago

Vincent Jones IV .................... 05:00 PM, Byram Shore
Presentation Title: Baby Boomers and Facebook: How Baby Boomers Negotiate their Virtual Identities and Engage New Media Compared to Generations X and Y
Research Mentor: Angel Harris
Research Institution: Princeton University
Home Institution: Middlebury College
Co-Authors: Angel Harris, Princeton University

Karen Kellen ......................... 11:45 AM, Mead C
Presentation Title: Does Urocortin 1 Priming in the Basolateral Amygdala alter SERT Gene Expression in the Serotonergic Dorsal Raphe Nucleus?
Research Mentor: Nina Donner
Research Institution: University of Colorado at Boulder
Home Institution: Metropolitan State College of Denver
Co-Authors: Nina Donner and Christopher Lowry, University of Colorado at Boulder

Keven Laboy ......................... 11:15 AM, Winthrop A
Presentation Title: The Efficiency of the Lentivirus and AAV as Viral Vectors for the ChR2 Gene
Research Mentor: Barry Connors
Research Institution: Brown University
Home Institution: UPR-Rio Piedras
Co-Authors: Barry Connors and Tanya Stevens, Brown University

Rigoberto Lara ....................... 12:30 PM, Byram Shore
Presentation Title: Race and Food Justice: F.R.E.S.H Options in The City
Research Mentor: Samuel Roberts
Research Institution: Columbia University
Home Institution: Macalester College
Co-Authors: Samuel K. Roberts, Columbia University
Qudus Lawal ............................ 03:45 PM, Mead A
Presentation Title: Probing Molecular Interactions between LIM Proteins TRIP6 and LPP, and shelterin at Human Telomeres
Research Mentor: Diego Loayza
Research Institution: Hunter College
Home Institution: Stanford University
Co-Authors: Qudus Lawal, Stanford University School of Engineering; Sampada Kalan and Diego Loayza, Hunter College

Mindy Lee .............................. 11:30 AM, Stonington
Presentation Title: Alternative Synthesis of HIV Protease Inhibitor Darunavir
Research Mentor: Joseph Fortunak
Research Institution: Howard University
Home Institution: Williams College
Co-Authors: Joseph Fortunak, Howard University

Angel Leiva ......................... 12:15 PM, Laddins Rock
Presentation Title: Regulation of Monoubiquitinated PCNA is Important for Replication Stress Response
Research Mentor: Michele Pagano
Research Institution: New York University Sackler Institute
Home Institution: University of Miami
Co-Authors: Mario Rossi and Michele Pagano, New York University

Ricardo Linares Saldana .... 11:45 AM, Laddins Rock
Presentation Title: The Role of BLOC-1 in Melanosine Biogenesis and Protein Trafficking
Research Mentor: Michael Marks
Research Institution: University of Pennsylvania
Home Institution: Johns Hopkins University
Co-Authors: Michael Marks, Megan Dennis and Subba Setty, University of Pennsylvania

Patrick Llull .......................... 12:30 PM, New London
Presentation Title: Stochastic Drift Correction for a Super-Resolution Microscope
Research Mentor: Rafael Piestun
Research Institution: University of Colorado at Boulder
Home Institution: University of Arizona
Co-Authors: Rafael Piestun and Ginni Grover, University of Colorado at Boulder

Ninoshka Lopez-Mojica ....... 05:30 PM, Winthrop B
Presentation Title: Downregulation of Helicobacter pylori Oncoprotein CagA by Exposure to Gastric Epithelial Cells
Research Mentor: Keith Wilson
Research Institution: Vanderbilt University
Home Institution: UPR-Humacao
Co-Authors: Keith T. Wilson, Thibaut De Sablet and Alain P. Gobert, Vanderbilt University

Glenn Love ............................ 04:30 PM, Cos Cob
Presentation Title: Unpacking the Great Equalizer: A Reassessment of Social Mobility and the Impacts of Race on Poverty
Research Mentor: Angel Harris
Research Institution: Princeton University
Home Institution: Coppin State College
Co-Authors: Angel L. Harris, Princeton University

Stefanie Luecke ...................... 12:00 PM, Winthrop B
Presentation Title: Role of ICP0 in Herpes Simplex Virus Reactivation from Latency: Antagonism of the Neuronal DNA Damage Response
Research Mentor: Angus Wilson
Research Institution: New York University Sackler Institute
Home Institution: Jacobs University Bremen
Co-Authors: Ju Kim and Angus Wilson, New York University

Ilene Magpiong ....................... 12:15 PM, Roundhill
Presentation Title: Investigation of the Potential Effects of Environmental Factors on the Pyramidal Neuron Principal Axon Shaft of the Macaque Monkey Cerebral Cortex
Research Mentor: Alvaro Duque
Research Institution: Yale University
Home Institution: Mount Holyoke College
Co-Authors: Pasko Rakic and Alvaro Duque, Yale University
Shivana Maharaj ......................... 12:00 PM, Mead B
Presentation Title: Does the Inhibition of the Kinase Domain of Receptor Interacting Protein 1 (RIP1) by Necrostatin 1 (Nec1) Effect the Type of Hepatocyte Death During Sepsis?
Research Mentor: Alfred Ayala
Research Institution: Brown University
Home Institution: Chaminade University of Honolulu
Co-Authors: Sam McNeal and Alfred Ayala, Brown University

Andrew Manns ...................... 03:30 PM, Byram Shore
Presentation Title: Bridging the Gap between Human Depravity and Dignity: The Imagination in Gianfrancesco Pico's De Imaginazione
Research Mentor: Anthony Grafton
Research Institution: Princeton University
Home Institution: University of Chicago
Co-Authors: Anthony Grafton, Princeton University

Patricio Martínez Llompart ....... 03:45 PM, Cos Cob
Presentation Title: Insanity, the Deviant and Mass Incarceration: The Puerto Rican Case
Research Mentor: Bernard Harcourt
Research Institution: University of Chicago
Home Institution: Cornell University
Co-Authors: Bernard Harcourt and Chris Berk, University of Chicago

Hélène Mascitti .......................... 11:45 AM, Roundhill
Presentation Title: Characterization of Monoclonal Antibodies Targeting Neurofibrillary Tangles Implied in Alzheimer's Disease by Using Stereotaxic Method
Research Mentor: Einar Sigurdsson
Research Institution: New York University Sackler Institute
Home Institution: New York University
Co-Authors: Einar M Sigurdsson and Allal Boutajangout, New York University

Jon Massie .............................. 03:15 PM, Mead A
Presentation Title: Translational Regulation of the Huntington’s Disease Protein through a 5’ Upstream Open Reading Frame
Research Mentor: Naoko Tanese
Research Institution: New York University Sackler Institute
Home Institution: Michigan State University
Co-Authors: Naoko Tanese, New York University

Russell Maxwell ....................... 04:00 PM, Mead C
Presentation Title: The Influence of DNA Damage on the Dynamics of Atypical Ubiquitin/SUMO Chains
Research Mentor: Tony Huang
Research Institution: New York University Sackler Institute
Home Institution: University of North Carolina Chapel Hill
Co-Authors: Tony Huang and Miklos Bekes, New York University

Takashi Mbako ......................... 02:45 PM, Mead B
Presentation Title: Cryptic Unstable Transcripts and their Effect on the URA2 Gene in Saccharomyces cerevisiae
Research Mentor: Robin Dowell
Research Institution: University of Colorado at Boulder
Home Institution: Bowie State University
Co-Authors: Jessica Vera and Robin Dowell, University of Colorado at Boulder

Matthew McCauley .................. 03:30 PM, Mead A
Presentation Title: Expression of MicroRNA-675 in Cardiac Hypertrophy
Research Mentor: Jeffrey Holmes
Research Institution: University of Virginia School of Education
Home Institution: Johns Hopkins University
Co-Authors: Jeffrey Holmes and Elizabeth Ames, University of Virginia - BioMedical Sciences
Raissa McIntosh ........................... 11:30 AM, Mead A
Presentation Title: Determine Whether Somatic Hyper-Mutation Plays a Role in the Mechanism of B Cell Tolerance
Research Mentor: Thereza Imanishi-Kari
Research Institution: Tufts University BioMedical Sciences
Home Institution: Florida Atlantic University
Co-Authors: Thereza Imanishi-Kari and Amma Larbi, Tufts University School of Graduate Biomedical Sciences

Vladimir Medenica ............... 12:00 AM, Belle Haven
Presentation Title: As 'They' Become 'Us:' A Generational Perspective on Mexican-American Political Behavior
Research Mentor: Robert Shapiro
Research Institution: Columbia University
Home Institution: University of Southern California
Co-Authors: Robert Y. Shapiro and Narayani Lasala-Blanco, Columbia University

Caroline Mejias-De Jesus ............ 03:45 PM, Putnam
Presentation Title: Investigating the Molecular Basis for Ras-Induced Senescence
Research Mentor: Gregory David
Research Institution: New York University Sackler Institute
Home Institution: UPR-Mayaguez
Co-Authors: Gregory David and Teresa DiMauro, New York University

Omayra Méndez .................... 11:45 AM, Winthrop A
Presentation Title: Vaccination of HIV-1 Infected Subjects on HAARTBoosts Cellular Immune Responses
Research Mentor: Jean Boyer
Research Institution: University of Pennsylvania
Home Institution: Universidad Metropolitana
Co-Authors: Jean Boyer, University of Pennsylvania

Kristy Merloni ....................... 03:00 PM, Mead A
Presentation Title: Identification of Novel Genetic Markers for Manipulation of Taste Circuitry
Research Mentor: Charles Zuker
Research Institution: Columbia University
Home Institution: Providence College
Co-Authors: David Yarmolinsky and Charles Zuker, Columbia University

Dominique Moore ..................... 04:45 PM, Winthrop A
Presentation Title: Developing a Diagnostic Tool to target Metastatic Cancer using the MARCKS Peptide and Membrane Curvature
Research Mentor: Leslie Morton
Research Institution: University of Colorado at Boulder
Home Institution: Claflin University
Co-Authors: Hubert Yin and Leslie Morton, University of Colorado at Boulder

Rebba Moore ............................ 03:15 PM, Cos Cob
Presentation Title: Why Don't Americans Care?: Public Support for Social Welfare in a Diverse Nation
Research Mentor: Robert Shapiro
Research Institution: Columbia University
Home Institution: Rice University
Co-Authors: Robert Y. Shapiro and Narayani Lasala-Blanco, Columbia University

Richard Moses ....................... 04:30 PM, Mead C
Presentation Title: Functional Analysis of the Nuclear Localization of Bone Marrow Kinase in the X Chromosome
Research Mentor: Dennis Jones
Research Institution: Yale University
Home Institution: Rutgers University
Co-Authors: Dennis Jones and Wang Min, Yale University

Christopher Mosley .................... 03:00 PM, Putnam
Presentation Title: Role of YAF2 in Polycomb Recruitment
Research Mentor: Michael Atchison
Research Institution: University of Pennsylvania
Home Institution: Morehouse College
Co-Authors: Arindam Basu and Michael Atchison, University of Pennsylvania

Oscar Munoz ...................... 11:15 AM, Laddins Rock
Presentation Title: The Effect of Dermal Smoothened Activation on Hair Follicle Cycle
Research Mentor: Mayumi Ito
Research Institution: New York University Sackler Institute
Home Institution: University of New Mexico
Co-Authors: Wei-chin Chou, Makoto Takeo and Mayumi Ito, New York University
Michael Murphy .........................12:30 PM, Milbrook
Presentation Title: An Examination of Global Environmental Change and its Effect on Globalization and Global Capitalism
Research Mentor: Miguel Centeno
Research Institution: Princeton University
Home Institution: University of San Diego
Co-Authors: Miguel Centeno, Princeton University
SS

Rashida Mustafa .......................12:30 PM, Mead C
Presentation Title: Neuropathic Pain Induced by Nerve Crush Injury: The Role of Calcium Channels
Research Mentor: Vesna Jevtovic-Todorovic
Research Institution: University of Virginia School of Medicine
Home Institution: Spelman College
Co-Authors: Vesna Jevtovic-Todorovic, University of Virginia - BioMedical Sciences
AB

Delyan Mutavchiev ....................12:15 PM, Mead B
Presentation Title: Evaluation of Modified Bovine Apolipoproteins as Potential Trypanolytic Agents
Research Mentor: Jayne Raper
Research Institution: New York University Sackler Institute
Home Institution: Jacobs University Bremen
Co-Authors: Daniella Kovacsics and Jayne Raper, New York University
BB

Robert Myers .........................05:00 PM, Mead A
Presentation Title: ADAM/Notch Signaling Pathway in Angiogenesis
Research Mentor: Carl Blobel
Research Institution: Weill Cornell Medical College
Home Institution: College of New Jersey
Co-Authors: Carl Blobel, Weill Cornell Graduate School of Medical Sciences; Krzysztof Glomski, Weill Cornell/Rockefeller/Sloan-Kettering Tri-Institutional
BB

Kalyani Nambiar .....................04:30 PM, Laddins Rock
Presentation Title: Exposure Mediated Neurodegeneration: Mechanisms of Disease
Research Mentor: Suzanne de la Monte
Research Institution: Brown University
Home Institution: University of Maryland, Baltimore County
Co-Authors: Suzanne De La Monte, Ming Tong and Anika Toorie, Brown University
AB

Cassandra Nelson ....................05:00 PM, Winthrop B
Presentation Title: Does the Antioxidant Gene, nrf2, Protect Cancer Cells from Immune Destruction?
Research Mentor: Suzanne Ostrand-Rosenberg
Research Institution: University of Maryland, Baltimore County
Home Institution: Virginia Polytechnic Institute and State University
Co-Authors: Suzanne Ostrand-Rosenberg and Daniel Beury, University of Maryland, Baltimore County
AB

Hien Nguyen .........................03:15 PM, Milbrook
Presentation Title: Role of Hippocampal Dendritic Spines in Memory Consolidation of Rats
Research Mentor: Victoria Luine
Research Institution: Hunter College
Home Institution: Baylor University
Co-Authors: Victoria Luine and Jordan Encarnacion, Hunter College
SS

Naderge Nwana .......................04:45 PM, Stonington
Presentation Title: Role of Melanocortin 4 Receptor (MC4R) in Obesity
Research Mentor: Rexford Ahima
Research Institution: University of Pennsylvania
Home Institution: University of Maryland, Eastern Shore
Co-Authors: Ravindra Dhir, Xiaoyan Yin and Rexford Ahima, University of Pennsylvania
BB
Angelina Ocampo ........................ 05:30 PM, Putnam
Presentation Title: Measuring Bulk Diffusion on Cell Membrane using Fluorescence Recovery After Photobleaching (FRAP)
Research Mentor: Adam Hammond
Research Institution: University of Chicago
Home Institution: University of Illinois at Chicago
Co-Authors: Adam Hammond and Aisha Burton, University of Chicago
BB

Pola Olczak ......................... 11:15 AM, Mead C
Presentation Title: The Effects of TLR9 Stimulation on Amyloid and Tau Pathology in a Mouse Model of Alzheimer’s Disease
Research Mentor: Thomas Wisniewski
Research Institution: New York University Sackler Institute
Home Institution: Morgan State University
Co-Authors: Henrieta Scholtzova, Jason Pan and Thomas Wisniewski, New York University
AB

Ryan Paranal ....................... 04:00 PM, Laddins Rock
Presentation Title: Methamphetamine- and Dopamine-induced Apoptosis in a Neuroblastoma Cell Line
Research Mentor: Shirzad Jenab
Research Institution: Hunter College
Home Institution: Providence College
Co-Authors: Shirzad Jenab and Gisselle Ramirez, Hunter College
BB

Joshua Peck ......................... 04:45 PM, Roundhill
Presentation Title: Cardioplegia Induces Phosphorylation of Phosphoglycerate Mutase and Tropomyosin in Human Heart Tissue
Research Mentor: Richard Clements
Research Institution: Brown University
Home Institution: Swarthmore College
Co-Authors: Richard Clements and Brenda Cordeiro, Brown University
AB

Elizabeth Perez ..................... 04:45 PM, Winthrop B
Presentation Title: Effect of Presenilin-1 Mutations on Notch1 Processing
Research Mentor: Deming Chau
Research Institution: Weill Cornell Medical College
Home Institution: Mount Holyoke College
Co-Authors: Deming Chau and Yueming Li, Weill Cornell/Rockefeller/Sloan-Kettering Tri-Institutional
BB

Nicole Perez .......................... 04:00 PM, Cos Cob
Presentation Title: Empowering Students: The Relationship between Multicultural Curricula and Educational Achievement
Research Mentor: Angel Harris
Research Institution: Princeton University
Home Institution: UC Santa Barbara
Co-Authors: Angel L. Harris, Princeton University
SS

Sebastian Perez ....................... 03:00 PM, Winthrop B
Presentation Title: Mechanisms of Sirt1-Dependent Regulation of Bone Mass
Research Mentor: Stavroula Kousteni
Research Institution: Columbia University
Home Institution: UPR-Rio Piedras
Co-Authors: Aruna Kode and Stavroula Kousteni, Columbia University
BB

Edjohnier Phillips ..................... 11:30 AM, Winthrop B
Presentation Title: Could CR3 be the Receptor for Beta-Glucan?
Research Mentor: Jonathan Reichner
Research Institution: Brown University
Home Institution: Tougaloo College
Co-Authors: Jonathan Reichner and Estefany J. Flores-Cortez, Brown University
AB

Allister Plater ......................... 03:45 PM, Byram Shore
Presentation Title: Teen Mothers Coping with Stress: Development of a New Measure
Research Mentor: Ann Easterbrooks
Research Institution: Tufts University
Home Institution: University of North Carolina Chapel Hill
Co-Authors: Maryna Vashchenko and Ann Easterbrooks, Tufts University
SS
Pascal Portois .............................. 03:00 PM, Mead C
Presentation Title: Interactomics of Bacterial RNA Polymerase Enzymes
Research Mentor: Evgeny Nudler
Research Institution: New York University Sackler Institute
Home Institution: University of Paris Diderot
Co-Authors: Evgeny Nudler, Vladimir Sveltov and Shipper Katelyn, New York University
BB

Chloé Powell .............................. 03:00 PM, Roundhill
Presentation Title: Preparation of Non-Decalcified Bone Histology Samples for Laser Microdissection of the Osteon Followed by DNA Analysis
Research Mentor: Zoran Budimlija
Research Institution: New York University Sackler Institute
Home Institution: University of Michigan-Ann Arbor
Co-Authors: Zoran Budimlija, Office of Chief Medical Examiner
AB

Camila Prieto .............................. 03:30 PM, Roundhill
Presentation Title: Function of C16orf57 in Clericuzio-type Poikiloderma with Neutropenia
Research Mentor: Kathleen Sullivan
Research Institution: University of Pennsylvania
Home Institution: Johns Hopkins University
Co-Authors: Kathleen Sullivan and Kelly Maurer, University of Pennsylvania
BB

Isabella Proia .............................. 03:00 PM, Belle Haven
Presentation Title: The Subtleness of the Sea: American Encounters in the Caribbean and the Illustrated Diary of William H. Meyers, 1838-1839
Research Mentor: Christopher Brown
Research Institution: Columbia University
Home Institution: Georgetown University
Co-Authors: Christopher Brown and Elizabeth Hinton, Columbia University
HU

Lymaris Quiñones-Dávila .......... 03:15 PM, Mead C
Presentation Title: Gene Expression in the Mesolimbic Dopamine Pathway
Research Mentor: Marissa Ehringer
Research Institution: University of Colorado at Boulder
Home Institution: UPR-Mayaguez
Co-Authors: Marissa Ehringer and Todd Darlington, University of Colorado at Boulder
BB

Nicholas Ravvin ......................... 12:00 PM, Stonington
Presentation Title: The Use of Porphyrins as Photodynamic Therapy Agents
Research Mentor: Charles Drain
Research Institution: Hunter College
Home Institution: SUNY Binghamton
Co-Authors: Charles Drain, Hunter College
PS

Brian Rekoske ............................. 04:00 PM, Mead B
Presentation Title: Inhibition of an RNA pyrophosphate hydrolase in Escherichia Coli
Research Mentor: Brian Rekoske
Research Institution: New York University Sackler Institute
Home Institution: University of Wisconsin Madison
Co-Authors: Joel Belasco, Dan Luciano and Jamie Richards, New York University
BB

Mary Remy ................................. 05:00 PM, Milbrook
Presentation Title: Domestic Violence on College Campuses and Community Involvement
Research Mentor: Tricia Bent-Goodley
Research Institution: Howard University
Home Institution: Claflin University
Co-Authors: Tricia Bent-Goodley, Howard University
SS

Marissa Reyes-Diaz ..................... 03:00 PM, New London
Presentation Title: Relationship between Mortality and Density in the Invasive Species Linaria dalmatica and the Biological Control Mecinus janthinus in Colorado
Research Mentor: Timothy Seastedt
Research Institution: University of Colorado at Boulder
Home Institution: UPR-Humacao
Co-Authors: Timothy Seastedt and David G. Knochel, University of Colorado at Boulder
ES

Donald Richardson ..................... 04:30 PM, Roundhill
Presentation Title: Development of a Chemical Biology Data Base for Drug Discovery
Research Mentor: Timothy Cardozo
Research Institution: New York University Sackler Institute
Home Institution: University of Maryland, Baltimore County
Co-Authors: Timothy Cardozo and James Swetnam, New York University
AB
Jeremy Richey......................... 12:00 PM, Winthrop A
Presentation Title: Testing of Denture Base Materials Incorporated with Silver Nano-particles to Prevent Candida Colonization
Research Mentor: Elinor Pulcini
Research Institution: Montana State University - Bozeman
Home Institution: Fort Belknap College
Co-Authors: Alessandra Agostinho, Montana State University

Daniel Rios......................... 11:45 AM, Milbrook
Presentation Title: Violence and Globalization in 21st Latin American Literature
Research Mentor: Hector Hoyos
Research Institution: Stanford University
Home Institution: University of Southern California
Co-Authors: Hector Hoyos, Stanford University School of Humanities & Sciences

Michael Rist......................... 11:45 AM, Mead A
Presentation Title: OMinitaurizedÖ TCR-alpha Locus Control Region in Leniviral Constructs Used in Tcell Gene Therapy
Research Mentor: Ben Ortiz
Research Institution: Hunter College
Home Institution: Wheaton College
Co-Authors: Ben Ortiz, Hunter College

Juan Rivera Correa .............. 12:30 PM, Winthrop A
Presentation Title: The Expression of Sphingosine 1-Phosphate Receptors in Cystic Fibrosis Dendritic Cells and Macrophages
Research Mentor: Stefan Worgall
Research Institution: Weill Cornell Graduate School
Home Institution: UPR-Rio Piedras
Co-Authors: Stefan Worgall and Yaqin Xu, Weill Cornell Medical College

Jocelyn Rodriguez............... 12:30 PM, Roundhill
Presentation Title: Olivocerebellar Control of Reaching Movements
Research Mentor: Jocelyn Rodriguez
Research Institution: New York University Sackler Institute
Home Institution: Yale University
Co-Authors: Eric Lang, Jianqiang Xiao and Linjia Jia, New York University

Miguel Rodriguez ............... 11:45 AM, New London
Presentation Title: Mechanical Properties of Large Graphene Balloons
Research Mentor: Scott Bunch
Research Institution: University of Colorado at Boulder
Home Institution: Columbia University
Co-Authors: Scott Bunch and Xinghui Liu, University of Colorado at Boulder

Natalie Rodriguez ................. 04:45 PM, Milbrook
Presentation Title: Gender Differences in Depression
Research Mentor: Robert DeRubeis
Research Institution: University of Pennsylvania
Home Institution: UPR-Rio Piedras
Co-Authors: Robert DeRubeis, University of Pennsylvania

Tiffany Rolle ....................... 04:30 PM, Stonington
Presentation Title: Development of a Portable GC-MS Methodology for the Evaluation of the Level of Food Spoilage
Research Mentor: William LaCourse
Research Institution: University of Maryland, Baltimore County
Home Institution: University of Baltimore
Co-Authors: William LaCourse and Joshua A. Wilhide, University of Maryland, Baltimore County

Jacqueline Romero ............... 02:45 PM, Winthrop B
Presentation Title: Role of Gap Junctions in the Spread of Cell Death in Ischemic Retinopathy
Research Mentor: Stewart Bloomfield
Research Institution: New York University Sackler Institute
Home Institution: University of South Florida
Co-Authors: Jacqueline Romero, Abram Akopian and Stewart Bloomfield, New York University

Glamildi Rondon ................. 02:45 PM, Cos Cob
Presentation Title: An Examination of the Effects of Poverty on School Readiness and Early Academic Achievement
Research Mentor: Cynthia Garcia Coll
Research Institution: Brown University
Home Institution: Wesleyan University
Co-Authors: Cynthia Garcia Coll, Brown University

BB
Karla Rosario ......................... 03:30 PM, Stonington
Presentation Title: Human Factors in Dream Chaser's Vehicle Design
Research Mentor: David Kalus
Research Institution: University of Colorado at Boulder
Home Institution: University of Colorado at Boulder
Co-Authors: David Klaus and Sarah E. Over, University of Colorado at Boulder
EN

Victoria Rosborough .......... 12:30 PM, Sheffield
Presentation Title: Oxide semiconductor heterostructures for photocatalysis
Research Mentor: Eric Altman
Research Institution: Yale University
Home Institution: Mary Baldwin College
Co-Authors: Eric Altman and Boris Lukanov, Yale University
EN

Austin Roth ....................... 05:30 PM, Belle Haven
Presentation Title: Development of Fear Extinction Learning and Spontaneous Recovery in Humans: Implications for Treatment of Childhood Anxiety Disorders
Research Mentor: BJ Casey
Research Institution: Weill Cornell Medical College
Home Institution: Arizona State University
Co-Authors: Stephanie Duhoux and BJ Casey, Weill Cornell/Rockefeller/Sloan-Kettering Tri-Institutional
SS

Francesca Rouzard .............. 11:15 AM, Mead A
Presentation Title: The Role of Toll-like Receptors in the Control of Coxiella burnetii Infection
Research Mentor: Francesca Rouzard
Research Institution: University of Pennsylvania
Home Institution: Temple University
Co-Authors: Sunny Shin, University of Pennsylvania
BB

Dyan Ruiz Connelly .......... 03:45 PM, Milbrook
Presentation Title: Centrality of Independence in Spinal Cord Injury Survivors: Implications for Their Own and Caregivers’ Well-being
Research Mentor: Joan Monin
Research Institution: Yale University
Home Institution: Saint Joseph College
Co-Authors: Joan Monin, Yale University
SS

Santiago Salazar .......... 05:15 PM, Winthrop B
Presentation Title: Fluorescence Recovery After Photobleaching (FRAP) Analysis Shows RPA Phosphorylation Modulates Recruitment of the Tumor Suppressor PALB2
Research Mentor: James Borowiec
Research Institution: New York University Sackler Institute
Home Institution: UC Santa Cruz
Co-Authors: Michael Fitzgerald, Anar Murphy and James Borowiec, New York University
BB

Torrey Salmon .......... 03:30 PM, Winthrop A
Presentation Title: Defining the Hox Network Specifying Motor Neuron Cell Fates in the Vertebrate Embryo
Research Mentor: Jeremy Dasen
Research Institution: New York University Sackler Institute
Home Institution: University of Scranton
Co-Authors: Jeremy Dasen and Olivia Hanley, New York University
BB

Sirrika Samuels .......... 05:15 PM, Roundhill
Presentation Title: Effects of Nape and Its Role in Diabetes
Research Mentor: Whitney Harris
Research Institution: Yale University
Home Institution: Rutgers University
Co-Authors: Whitney Harris-Brown, Yale University
AB

Tanya Sanabria .......... 03:00 PM, Byram Shore
Presentation Title: Women in the Workforce: The Stalled Gender Revolution
Research Mentor: Shelley Correll
Research Institution: Stanford University
Home Institution: California State Polytechnic University, Pomona
Co-Authors: Shelley Correll, Stanford University School of Humanities & Sciences
SS
Jose Sanchez .......................... 12:00 PM, Sheffield
Presentation Title: Characterization of the GaN-MgO Transistor’s Interface
Research Mentor: Fred Walker
Research Institution: Yale University
Home Institution: UPR-Mayaguez
Co-Authors: Fred Walker and Divine Kumah, Yale University
PS

Adriana Santiago-Miranda .......... 12:15 PM, Sheffield
Presentation Title: The Effect of Poly (lactic-co-glycolic acid) Density in Carbon Nanofiber Composites for Myocardial Tissue Engineering Applications
Research Mentor: Thomas Webster
Research Institution: Brown University
Home Institution: UPR-Mayaguez
Co-Authors: David A. Stout and Thomas J. Webster, Brown University
AB

Adriana Santos ..................... 04:45 PM, Belle Haven
Presentation Title: The Interactions between Dopamine and Corticotropin Releasing Factor in the Amygdala and their Effects on Anxiety
Research Mentor: Heidi Day
Research Institution: University of Colorado at Boulder
Home Institution: University of South Florida
Co-Authors: Heidi Day, Serge Campeau and Cher Masini, University of Colorado at Boulder
SS

Melissa Santos ...................... 04:00 PM, Winthrop B
Presentation Title: Involvement of Cannabinoid CB1 and Dopamine D2 Receptors in Cortical and Striatal Glutamatergic Signaling
Research Mentor: Teresa Milner
Research Institution: Weill Cornell Graduate School
Home Institution: Hunter College
Co-Authors: Teresa Milner and Megan Fitzgerald, Weill Cornell Graduate School of Medical Sciences
BB

Patricia Mae Santos ................. 04:45 PM, Mead C
Presentation Title: Caloric Restriction Improves Extinction Learning in Mice
Research Mentor: Charles Glatt
Research Institution: Weill Cornell Graduate School
Home Institution: Brown University
Co-Authors: Charles E. Glatt and Megan Riddle, Weill Cornell Graduate School of Medical Sciences
BB

Emma Schatoff ...................... 03:45 PM, Mead C
Presentation Title: Role of Dysregulated Epigenetic Modifiers in the Development of Leukemia
Research Mentor: Omar Abdel-Wahab
Research Institution: Weill Cornell Medical College
Home Institution: City College of New York
Co-Authors: Omar Abdel-Wahab and Ross Levine, Weill Cornell/Rockefeller/Sloan-Kettering Tri-Institutional
BB

Ashley Scott ......................... 02:45 PM, Putnam
Presentation Title: Studies of Putative Phosphorylation Sites as Regulators of K2p Channel Function Using Site-directed Mutations
Research Mentor: Steven Feinmark
Research Institution: Columbia University
Home Institution: Claflin University
Co-Authors: Erin Harleton and Steven J. Feinmark, Columbia University
BB

Alba Serrano .......................... 02:45 PM, Stonington
Presentation Title: Fluidic Injection for Thrust Vectoring and Flow Control
Research Mentor: Ryan Starkey
Research Institution: University of Colorado at Boulder
Home Institution: Stanford University
Co-Authors: Ryan Starkey, Shea Anderson and Jacob Cook, University of Colorado at Boulder
EN

Hadiya Sewer ........................ 11:45 PM, Byram Shore
Presentation Title: Who Defines "The People": Identity and Nation Building in the U.S. Virgin Islands
Research Mentor: Robert Shapiro
Research Institution: Columbia University
Home Institution: Spelman College
Co-Authors: Robert Shapiro, Columbia University
SS

Akriti Sharma ....................... 03:00 PM, Winthrop A
Presentation Title: Potential Influences of Environmental Factors on the Number of Interneurons in CD-1 Mouse Cerebral Cortex
Research Mentor: Alvaro Duque
Research Institution: Yale University
Home Institution: Rutgers University
Co-Authors: Pasko Rakic and Alvaro Duque, Yale University
BB
Lisseth Silva ................................. 11:30 AM, Mead C
Presentation Title: Cellular Analysis of Upper Cortical Layer II and III Neurons in the Mouse Model of Lis1 Overexpression
Research Mentor: Anamaria Sudarov
Research Institution: Weill Cornell Graduate School
Home Institution: Roger Williams University
Co-Authors: Anamaria Sudarov, Weill Cornell Medical College; M. Elizabeth Ross, Weill Cornell Graduate School of Medical Sciences

Angelica Simmons ...................... 03:15 PM, Mead B
Presentation Title: Validation and Discovery of RNA/DNA Differences
Research Mentor: Vivian Cheung
Research Institution: University of Pennsylvania
Home Institution: Louisiana State University-Baton Rouge
Co-Authors: Vivian Cheung, University of Pennsylvania; Alan Bruzel, Children's Hospital of Pennsylvania

Dawn Skeen .......................... 12:15 PM, New London
Presentation Title: Fabrication of Artificial Microstructures Using Bulk Metallic Glass
Research Mentor: Jan Schroers
Research Institution: Yale University
Home Institution: Angelo State University
Co-Authors: Jan Schroers and Baran Sarac, Yale University

Adrienne Slaughter .............. 12:30 PM, Belle Haven
Presentation Title: Integrating Black Students: Examining the Impact of Integrated Schools on the Educational Experience of Black Students
Research Mentor: Nolive Rooks
Research Institution: Princeton University
Home Institution: Harvard University
Co-Authors: Nolive Rooks and Angel Harris, Princeton University

Emilio Soto ................................. 05:15 PM, Mead B
Presentation Title: The Role of miRNA128 on the Development of the Cerebral Cortex
Research Mentor: Tao Sun
Research Institution: Weill Cornell Medical College
Home Institution: UPR-Rio Piedras
Co-Authors: Shan Bian and Tao Sun, Weill Cornell Graduate School of Medical Sciences

Kendra Souther .................... 11:30 AM, New London
Presentation Title: Liquid Crystals: An Answer for Alternative Energy
Research Mentor: David Walba
Research Institution: University of Colorado at Boulder
Home Institution: College of Saint Scholastica
Co-Authors: David Walba and Michael Springer, University of Colorado at Boulder

Lauren Sullivan ......................... 11:30 AM, Winthrop A
Presentation Title: Enhanced Immunogenicity of Specific Epitopes of HIV-1 gp120 via Immune Complex Formation
Research Mentor: Catarina Hioe
Research Institution: New York University Sackler Institute
Home Institution: University of Georgia
Co-Authors: Catarina Hioe and Michael Tuen, New York University

Cherrelle Thomas .................... 05:15 PM, Mead C
Presentation Title: Investigating Domains in the Phospholipid Bilayer using Single-Molecule Mapping Techniques
Research Mentor: Daniel Schwartz
Research Institution: University of Colorado at Boulder
Home Institution: Howard University
Co-Authors: Mark Kastantin and Daniel Schwartz, University of Colorado at Boulder

Monica Thomas ....................... 12:15 PM, Mead A
Presentation Title: The Effect of Kinase Inhibitors on JUNV Entry Process
Research Mentor: Susan Ross
Research Institution: University of Pennsylvania
Home Institution: University of Central Florida
Co-Authors: Susan Ross and Lavanya Madakasira, University of Pennsylvania
Jonathan Topaz ...................... 12:15 PM, Milbrook
Presentation Title: Persistent Authoritarianism in the Middle East
Research Mentor: Brendan O’Leary
Research Institution: University of Pennsylvania
Home Institution: Brown University
Co-Authors: Brendan O’Leary, University of Pennsylvania

Gentry Tran .......................... 11:45:00, Sheffield
Presentation Title: Interaction Forces and Contamination on Smectic Films
Research Mentor: Cheol Park
Research Institution: University of Colorado at Boulder
Home Institution: Beloit College
Co-Authors: Cheol Park, Joe McLennan and Noel Clark, University of Colorado at Boulder

Luis Trujillo ......................... 12:00 PM, Milbrook
Presentation Title: Recolonization and the Police State
Research Mentor: Samuel Roberts
Research Institution: Columbia University
Home Institution: UC Santa Barbara
Co-Authors: Samuel Roberts and Elizabeth Kai Hinton, Columbia University

Austin Tucker ....................... 03:00 PM, Stonington
Presentation Title: Initial Findings on the Effects of Workload on Humans when Interacting with Robots
Research Mentor: Megan Strait
Research Institution: Tufts University
Home Institution: Morehouse College
Co-Authors: Megan Strait, Tufts University

Liran Valadarsky .................... 05:30 PM, Laddins Rock
Presentation Title: Interplay Between Histone Modifications Regulates Binding of Tudor and MBT Domains to Histone Tails
Research Mentor: Danny Reinberg
Research Institution: New York University Sackler Institute
Home Institution: Tel Aviv University
Co-Authors: Philipp Voigt and Danny Reinberg, New York University

Elizabeth Vargas .................... 05:30 PM, Milbrook
Presentation Title: The Role of Serotonin Receptor Subtype 5-HTR6 on Prepulse Inhibition of the Goldfish Startle Escape Behavior
Research Mentor: Thomas Preuss
Research Institution: Hunter College
Home Institution: Quinnipiac University
Co-Authors: Thomas Preuss, Heike Neumeister and Violeta Medan, Hunter College

Sana Venjara ....................... 11:30 AM, Byram Shore
Presentation Title: Style Space and Consciousness: Negotiating Clothing and Identity in Contemporary Cairo
Research Mentor: Gwendolyn Shaw
Research Institution: University of Pennsylvania
Home Institution: Bryn Mawr College
Co-Authors: Gwendolyn Dubois Shaw, University of Pennsylvania; Juan Arbona and Gary W. McDonogh, Bryn Mawr College

Japjit Verraich ....................... 03:15 PM, Roundhill
Presentation Title: Genomewide Gene-Function Discovery in Streptococcus pneumoniae to Better Understand Role in Antibiotic Resistance
Research Mentor: Andrew Camilli
Research Institution: Tufts University BioMedical Sciences
Home Institution: University of San Francisco
Co-Authors: Tim van Opijnen and Andrew Camilli, Tufts University

Janice Vicenty ....................... 12:00 PM, Roundhill
Presentation Title: Apolipoprotein E: Development and Regeneration of Nerve Cells from the Central Nervous System
Research Mentor: Tayhas Palmore
Research Institution: Brown University
Home Institution: UPR-Mayaguez
Co-Authors: Kwang-Min Kim and Tayhas Palmore, Brown University

AB
Luke Wandrey ......................04:45 PM, Byram Shore
Presentation Title: Peer Relations in Adolescents: Physiological and emotional Brain Responses during Social Evaluation
Research Mentor: Leah Somerville
Research Institution: Weill Cornell Graduate School
Home Institution: Arizona State University
Co-Authors: Leah Somerville, Weill Cornell Medical College; BJ Casey, Weill Cornell Graduate School of Medical Sciences

Hannah Weber ......................04:30 PM, Winthrop A
Presentation Title: The Role of MMP-2-Induced TH2 Cells in Melanoma Tumor Invasion and Angiogenesis
Research Mentor: Nina Bhardwaj
Research Institution: New York University Sackler Institute
Home Institution: New College of Florida
Co-Authors: Nina Bhardwaj, Anne Gallois and Emmanuelle Godefroy, New York University

Xzania White ......................12:15 PM, Cos Cob
Presentation Title: Linking Pathways to African American Success (PAAS) to Youth Self-Regulation in Order to Predict HIV Risk Vulnerability
Research Mentor: Velma Murry
Research Institution: Vanderbilt University
Home Institution: Howard University
Co-Authors: Velma McBride Murry, Sonya Myers and LaTrina Slater, Vanderbilt University

Danielle Wiggins ..................03:30 PM, Cos Cob
Presentation Title: The Right's Black Darlings: Perceptions of Black Republicans in the Reagan Administration
Research Mentor: Kevin Kruse
Research Institution: Princeton University
Home Institution: Yale University
Co-Authors: Kevin Kruse, Princeton University

Alexia Williams ...................12:00 PM, Byram Shore
Presentation Title: Articulating Blackness and Imagining a Nation: Afro-Peruvian Poetry as Peaceful Protest
Research Mentor: Daphne Brooks
Research Institution: Princeton University
Home Institution: Spelman College
Co-Authors: Daphne Brooks, Princeton University

Jasmine Wise ....................... 12:15 PM, Belle Haven
Presentation Title: How Do Housing Interventions Affect Parenting in Homeless Families?
Research Mentor: Beth Shinn
Research Institution: Vanderbilt University
Home Institution: Xavier University of Louisiana
Co-Authors: Beth Shinn and Lindsay Mayberry, Vanderbilt University

Valencia Wise ......................12:15 PM, Stonington
Presentation Title: Predicting Disease Genes using Protein Interaction Networks
Research Mentor: Debra Goldberg
Research Institution: University of Colorado at Boulder
Home Institution: Dillard University
Co-Authors: Debra Goldberg and Todd Gibson, University of Colorado at Boulder

Diane Wong .......................11:15 AM, Belle Haven
Presentation Title: What Explains Asian American Political Participation?: The Effects of Ethnic Enclaves and Co-ethnic Candidates on Turnout
Research Mentor: Robert Shapiro
Research Institution: Columbia University
Home Institution: SUNY Binghamton
Co-Authors: Robert Shapiro, Columbia University

Pinguang Yang ....................04:45 PM, Putnam
Presentation Title: Role of Filopodia in Intercalating Cells during Drosophila Germ-band Extension
Research Mentor: Jennifer Zallen
Research Institution: Weill Cornell Medical College
Home Institution: Clarkson University
Co-Authors: Sergio Simoes and Jennifer A. Zallen, Weill Cornell/Rockefeller/Sloan-Kettering Tri-Institutional

Jojo Yeboa .........................05:00 PM, Stonington
Presentation Title: Agonist-Induced Binding of the Regulatory Scaffold Protein Spinophilin to Phospholipase-C in Platelets
Research Mentor: Lawrence Brass
Research Institution: University of Pennsylvania
Home Institution: University of Maryland, Baltimore County
Co-Authors: Lawrence Brass and Peisong Ma, University of Pennsylvania
Hye Joo Yoon.................................03:30 PM, Mead B
  Presentation Title: Dissecting Genetic Interaction
      Networks between Protein Phosphorylation and
      Ubiquitination Systems in C. elegans
  Research Mentor: Zhuo Du
  Research Institution: Weill Cornell Medical College
  Home Institution: College of William & Mary
  Co-Authors: Zhuo Du, Weill Cornell/Rockefeller/Sloan-Kettering Tri-Institutional

Albert Zhou...................................03:00 PM, Mead B
  Presentation Title: TBLR1 Regulation of Androgen
      Receptor Target Genes in Prostate Cancer
  Research Mentor: Peng Lee
  Research Institution: New York University Sackler Institute
  Home Institution: University of Maryland, Baltimore County
  Co-Authors: Garrett Daniels and Peng Lee, New York University

BB
### Poster Presentations by Number

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<td>Keven Cabrera</td>
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<td>Anna Garliss</td>
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<td>Involvement of Tyrosine Phosphorylation in Slitrk5 Bonding to GluA2</td>
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<td>Nayana Ghosh-Choudhury</td>
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<td>Are Functional Domains of Low Risk Mucosal HPV’s Important for their Biological Activities such as mTORC1 Signaling and CAP Dependent Translation?</td>
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<td>Kameron Black</td>
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<td>LDL Receptors Mediate Amyloid beta Toxicity in Drosophila melanogaster</td>
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<td>Saima Machlovi</td>
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<td>The Role of the Perirhinal and Postrhinal Cortices in a Complex Discrimination Task</td>
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<td>Upstream Regulation on mTOR Complex 1 Activity</td>
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<td>Amar Mirza</td>
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<td>The Effect of Catheter Diameter and Injection Speed on the Viability of Human Bone Marrow Mysenchymal Stem Cells</td>
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<td>Mariel Rios</td>
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<td>The Effects of Rapamycin Treatment on Tsc1-deficient Neurons in the Thalamus</td>
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<td>Charné Thomas</td>
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<td>Testing Anti Viral Compounds Against Pandemic Influenza Compounds</td>
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<td>12</td>
<td>Dorian Ball</td>
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<td>Distribution Of Colorectal Cancer Screening Among Racial/Ethnic Minorities In Miami-Dade County</td>
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<td>13</td>
<td>Danielvis Paredes Taveras</td>
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<td>The Study of the Site of Action of GDNF in Enhancing Regeneration after Axonal Injury Utilizing In vitro Microfluidic Platforms</td>
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<td>Ricardo Cruz</td>
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<td>How Does Oxygen Alter the Macrophage A2AR Pathway to Augment LPS-induced Murine Lung Inflammation?</td>
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<td>You Are What You Eat: Exploring Healthy Eating Behaviors in Adolescents and Asian-Americans</td>
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<td>Characterization of Disulfide Bond Formation Pathways in Francisella novicida</td>
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<td>Quantitative Analysis of Immunohistochemistry Staining of Yes-Associated Protein Expression in Biliary Dysplasia</td>
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<td>Cellular Response to Epigenetic Reader Inhibition and Applications for Cancer Therapy</td>
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<td>Development of Tissue-specific Gene Regulatory Networks in Human Endothelial Cells</td>
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<td>Jie Bin Liu</td>
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<td>Patrick Loftus</td>
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<td>Janice Nieves</td>
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**Poster Presentations by Name**

**Hector Acaron Ledesma, 20** .......... 9:45-10:45 AM
- Presentation Title: Development of Tissue-specific Gene Regulatory Networks in Human Endothelial Cells
- Research Mentor: Olivier Elemento
- Research Institution: Weill Cornell Graduate School
- Home Institution: Cornell University
- Co-Authors: Olivier Elemento, Weill Cornell Graduate School of Medical Sciences

**Morayo Adebiyi, 36** ..................... 9:45-10:45 AM
- Presentation Title: Characterizing Zebrafish as a Novel Animal Model for Craniosynostosis
- Research Mentor: Matthew Warman
- Research Institution: Harvard University, Division of Medical Sciences
- Home Institution: Spelman College
- Co-Authors: Katrin Henke, Matthew Harris and Matthew Warman, Children's Hospital Boston

**Olufunmilayo Agunloye, 113** ........... 8:45-9:45 AM
- Presentation Title: The Role of the Essential Gene MTHFD1 in Nuclear Folate Metabolism
- Research Mentor: Patrick J. Stover
- Research Institution: Cornell University
- Home Institution: Cornell University
- Co-Authors: Martha S. Field and Patrick J. Stover, Cornell University

**Devin American Horse, 101** ............ 8:45-9:45 AM
- Presentation Title: Development of New Antibacterial Dendrimers
- Research Mentor: Mary Cloninger
- Research Institution: Montana State University - Bozeman
- Home Institution: Little Big Horn College
- Co-Authors: Mary Cloninger, Montana State University

**Felicia Arriaga, 78** ......................... 9:45-10:45 AM
- Presentation Title: Judging a Book by Its Cover: Do Teacher Expectations Vary by Student's Race, SES, and Gender?
- Research Mentor: Jim Wyckoff
- Research Institution: University of Virginia School of Education
- Home Institution: Duke University
- Co-Authors: Daphna Bassok, Jim Wyckoff and Tom Dee, University of Virginia - Education Sciences

**Alessandro Bailetti, 46** .................... 9:45-10:45 AM
- Presentation Title: The Role of Jagged1 Gene in the Subventricular Zone During Embryonic Neurogenesis of the Mus musculus
- Research Mentor: David Lin
- Research Institution: Cornell University
- Home Institution: Cornell University
- Co-Authors: Christopher Blackwood and David Lin, Cornell University

**Dorian Ball, 12** ................................. 9:45-10:45 AM
- Presentation Title: Distribution Of Colorectal Cancer Screening Among Racial/Ethnic Minorities In Miami-Dade County
- Research Mentor: Erin Kobetz
- Research Institution: University of Miami
- Home Institution: Howard University
- Co-Authors: Erin Kobetz and Daniel Sussman, University of Miami

**Karole Barlow, 92** ............................. 9:45-10:45 AM
- Presentation Title: How One Half Can Affect the Whole: Priming Biracial Individuals in Interracial Settings
- Research Mentor: Keith Maddox
- Research Institution: Tufts University
- Home Institution: University of Tennessee-Chattanooga
- Co-Authors: Adrian Curry, Sarah Gaither and Keith Maddox, Tufts University

**Samantha Berkheimer, 21** ................. 8:45-9:45 AM
- Presentation Title: Probing the Histone Code by Site-Specific Mutagenesis in Drosophila
- Research Mentor: Mitzi Kuroda
- Research Institution: Harvard University, Division of Medical Sciences
- Home Institution: Susquehanna University
- Co-Authors: Hyuck Joon Kang and Mitzi I. Kuroda, Harvard University Div. of Medical Sciences

**Kameron Black, 5** ............................ 8:45-9:45 AM
- Presentation Title: LDL Receptors Mediate Amyloid beta Toxicity in Drosophila melanogaster
- Research Mentor: Mel Feany
- Research Institution: Harvard University, Division of Medical Sciences
- Home Institution: UC San Diego
- Co-Authors: Mel Feany, Harvard University Div. of Medical Sciences
John Paul Bonadonna, 75................. 8:45-9:45 AM
Presentation Title: The Effects of Normal and Pathological Aging on Hippocampal Integrity
Research Mentor: Denise Head
Research Institution: Washington University in St. Louis
Home Institution: University of Michigan-Ann Arbor
Co-Authors: Denise Head and Brian Gordon, Washington University in St. Louis

Christian Bureu, 72....................... 9:45-10:45 AM
Presentation Title: Automation of Image Processing Algorithms for the ab initio Reconstruction of Asymmetric Particles by Electron Microscopy
Research Mentor: Andres Leschziner
Research Institution: Harvard University
Home Institution: Barry University
Co-Authors: Rogelio Hernandez-Lopez and Andres Leschziner, Harvard University Arts and Sciences

Jessica Brooks, 57....................... 8:45-9:45 AM
Presentation Title: Analysis of Serotonergic Neurons Expressing DRD1 and DRD2
Research Mentor: Susan Dymecki
Research Institution: Harvard University, Division of Medical Sciences
Home Institution: Princeton University
Co-Authors: Susan Dymecki and Tedi Asher, Harvard University Div. of Medical Sciences

Keven Cabrera, 1......................... 8:45-9:45 AM
Presentation Title: Expression of EGFL7 in Sexual Organs of Female Mice
Research Mentor: Heidi Stuhlman
Research Institution: Weill Cornell Graduate School
Home Institution: Vassar College
Co-Authors: Heidi Stuhlman and Lauretta Lacko, Weill Cornell Graduate School of Medical Sciences

Larekia Brown, 58...................... 9:45-10:45 AM
Presentation Title: MicroRNA 128 Inhibits Cell Proliferation in Head and Neck Squamous Cell Carcinoma
Research Mentor: Xinbin Gu
Research Institution: Howard University
Home Institution: Tougaloo College
Co-Authors: Xinbin Gu and Belinda Hauser, Howard University

Jessica Carrick, 85..................... 8:45-9:45 AM
Presentation Title: Let your brain storm it up: Figurative Language in Teacher Talk
Research Mentor: Joseph Wehby
Research Institution: Vanderbilt University
Home Institution: Drury University
Co-Authors: Joseph Wehby and Alexandra Hollo, Vanderbilt University

Laura Carrillo, 86...................... 9:45-10:45 AM
Presentation Title: Exploring the Association between Mothers’ Early Aspirations/Expectations and Children's Academic Achievement
Research Mentor: Micere Keels
Research Institution: University of Chicago
Home Institution: DePaul University
Co-Authors: Micere Keels and Dolores Norton, University of Chicago

Mason Brown, 31...................... 8:45-9:45 AM
Presentation Title: The Role of PGCs in Telomere-mediated Senescence and Transformation
Research Mentor: Ergun Sahin
Research Institution: Harvard University, Division of Medical Sciences
Home Institution: Indiana University Purdue University
Co-Authors: Ergun Sahin and Ron DePinho, Harvard University Div. of Medical Sciences

Michael Brown, 110.................... 9:45-10:45 AM
Presentation Title: What Makes an Object Easy or Hard to Find? Effects of “Familiar Size” on Visual Search
Research Mentor: George Alvarez
Research Institution: Harvard University
Home Institution: Morgan State University
Co-Authors: Talia Konkle, Massachusetts Institute of Technology; George Alvarez, Harvard University Arts and Sciences

Douglas Chapski, 70.................... 8:45-9:45 AM
Presentation Title: Regulation of Glutamine Metabolism by the mTORC1 Signaling Pathway through a Sirtuin-dependent Mechanism
Research Mentor: John Blenis
Research Institution: Harvard University
Home Institution: Tulane University
Co-Authors: Alfredo Csibi, Marcia Haigis and John Blenis, Harvard University Div. of Medical Sciences
**Angela Chen, 95** ................................. 8:45-9:45 AM
Presentation Title: Relation of Socioeconomic Status and Home Literacy Environment on Early Literacy Skills
Research Mentor: Andy Mashburn
Research Institution: University of Virginia School of Education
Home Institution: College of New Jersey
Co-Authors: Anita McGinty and Andy Mashburn, University of Virginia - Education Sciences

**Yun Ji Choi, 53** ................................. 8:45-9:45 AM
Presentation Title: The Effects of Various Drugs on Cleavage of Polyductin in HECK-293 and MDCK Cells
Research Mentor: Feng Qian
Research Institution: Johns Hopkins University
Home Institution: Cornell University
Co-Authors: Feng Qian, Johns Hopkins University

**Ayesha Chowdhury, 59** ....................... 8:45-9:45 AM
Presentation Title: Generation of Drosophila melanogaster Strains with Fluorescent Timer Reporter Genes
Research Mentor: Gilad Barnea
Research Institution: Brown University
Home Institution: Hunter College
Co-Authors: Mark A. Johnson and Gilad Barnea, Brown University

**Breanna Cohen, 97** ............................ 8:45-9:45 AM
Presentation Title: What Makes An Object Trackable? Effects of “Familiar Size” On Attentional Tracking
Research Mentor: George Alvarez
Research Institution: Harvard University
Home Institution: Morgan State University
Co-Authors: Talia Konkle, Massachusetts Institute of Technology; George Alvarez, Harvard University Arts and Sciences

**Gloria Condon, 99** ............................ 8:45-9:45 AM
Presentation Title: The Fate and Transport of Silver Nanoparticles in Heterogeneous Media
Research Mentor: Kimberly Jones
Research Institution: Howard University
Home Institution: Rensselaer Polytechnic Institute
Co-Authors: Kimberly Jones and Karel Morgan-Evans, Howard University

**Chelsea Conrad, 104** ......................... 9:45-10:45 AM
Presentation Title: Green Chemical Synthesis of Piperaquine
Research Mentor: Joseph Fortunak
Research Institution: Howard University
Home Institution: Xavier University of Louisiana
Co-Authors: Joseph Fortunak, Tiffany Ellison and Christopher King, Howard University

**Michelle Corrado, 37** ........................ 8:45-9:45 AM
Presentation Title: Wnt Signaling Regulates Pancreas vs. Liver Specification of Early Endoderm
Research Mentor: Wolfram Goessling
Research Institution: Harvard University, Division of Medical Sciences
Home Institution: University of Florida
Co-Authors: Sahar Nissim and Wolfram Goessling, Harvard University Div. of Medical Sciences

**Miranda Crasco, 35** .......................... 8:45-9:45 AM
Presentation Title: Gene Expression during Neurulation
Research Mentor: Christa Merzdorf
Research Institution: Montana State University -Bozeman
Home Institution: Montana State University -Bozeman
Co-Authors: Christa Merzdorf and Carla Hutson, Montana State University

**Kelly Crotty, 7** ............................... 8:45-9:45 AM
Presentation Title: Upstream Regulation on mTOR Complex 1 Activity
Research Mentor: John Blenis
Research Institution: Harvard University, Division of Medical Sciences
Home Institution: Oregon State University
Co-Authors: Gwen Buel and John Blenis, Harvard University Div. of Medical Sciences

**Ricardo Cruz, 14** ............................. 9:45-10:45 AM
Presentation Title: How Does Oxygen Alter the Macrophage A2AR Pathway to Augment LPS-induced Murine Lung Inflammation
Research Mentor: Landon King
Research Institution: Johns Hopkins University
Home Institution: UPR-Mayaguez
Co-Authors: Neil Aggarwal and Landon King, Johns Hopkins University
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<th>Presenter Name</th>
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<tr>
<td>Katherine Deland</td>
<td>Sirtuin 4 Enzymatic Activity and Metabolic Function</td>
<td>8:45-9:45 AM</td>
<td>This presentation focuses on the enzymatic activity and metabolic function of Sirtuin 4. Research Mentor: Marcia Haigis. Research Institution: Harvard University, Division of Medical Sciences. Home Institution: Southern Methodist University. Co-Authors: Natalie German and Marcia Haigis, Harvard University Div. of Medical Sciences.</td>
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<tr>
<td>Aisha Dorta</td>
<td>Developmental Basis of Ovariole Number in Two Species of Drosophila</td>
<td>9:45-10:45 AM</td>
<td>This presentation explores the developmental basis of ovarirole number in two species of Drosophila. Research Mentor: Cassandra Extavour. Research Institution: Harvard University. Home Institution: Brookly College CUNY. Co-Authors: Didem Sarikaya and Cassandra Extavour, Harvard University Arts and Sciences.</td>
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<tr>
<td>Ben Dyer</td>
<td>Investigation of Protein Regulators of E. coli Peptidoglycan Hydrolysis</td>
<td>8:45-9:45 AM</td>
<td>This presentation investigates the role of protein regulators in E. coli peptidoglycan hydrolysis. Research Mentor: Thomas Bernhardt. Research Institution: Harvard University, Division of Medical Sciences. Home Institution: Campbell University. Co-Authors: Thomas Bernhardt, Harvard University Div. of Medical Sciences.</td>
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<tr>
<td>Heba Elnaiem</td>
<td>Observation of Primary Cilia Length Dynamics</td>
<td>9:45-10:45 AM</td>
<td>This presentation discusses the observation of primary cilia length dynamics. Research Mentor: Jagesh Shah. Research Institution: Harvard University, Division of Medical Sciences. Home Institution: Howard University. Co-Authors: Jagesh Shah and Mikhail Sergeev, Harvard University Arts and Sciences.</td>
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<td>Emily Fernandez, 50</td>
<td>9:45-10:45 AM</td>
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<td>Shantel Gamble, 83</td>
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<td>Julia Garcia, 41</td>
<td>9:45-10:45 AM</td>
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<td>Anna Garliss, 2</td>
<td>9:45-10:45 AM</td>
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<td>Denise Ghartey, 77</td>
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<td>Nayana Ghosh-Choudhury, 4</td>
<td>9:45-10:45 AM</td>
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<td>Timothy Gilpatrick, 19</td>
<td>8:45-9:45 AM</td>
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<td>Fatema Haque, 98</td>
<td>9:45-10:45 AM</td>
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<td>Ebony Hinton, 84</td>
<td>9:45-10:45 AM</td>
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**Emily Fernandez, 50**
Presentation Title: Characterization of DNA Methylation Patterns in the Promoter Regions of the Polymorphism 5-HTTLPR of the SLC6A4 Gene and BDNF Gene
Research Mentor: John E. McGeary
Research Institution: UPR-Rio Piedras
Home Institution: UPR-Rio Piedras
Co-Authors: Christopher G. Beevers, University of Texas Austin; Brandon E. Gibb, Binghamton University, SUNY; John E. McGeary, Brown University

**Shantel Gamble, 83**
Presentation Title: Comparing Perceptions of Elementary Classroom Interactions Across Student and Administrator Reports
Research Mentor: Jason Downer
Research Institution: University of Virginia School of Education
Home Institution: Hampton University
Co-Authors: Jason Downer, Andre Durham and Manuela Jimenez, University of Virginia - Education Sciences

**Julia Garcia, 41**
Presentation Title: Exploring the Role of MicroRNA in Synaptic Growth and Development in the Drosophila NMJ
Research Mentor: David Van Vactor
Research Institution: Harvard University, Division of Medical Sciences
Home Institution: UCLA
Co-Authors: Elizabeth McNeill and David Van Vactor, Harvard University Div. of Medical Sciences

**Anna Garliss, 2**
Presentation Title: Involvement of Tyrosine Phosphorylation in Slitrk5 Bonding to GluA2
Research Mentor: Francis Lee
Research Institution: Weill Cornell Graduate School
Home Institution: New Mexico State University
Co-Authors: Francis Lee, Weill Cornell Graduate School of Medical Sciences

**Denise Ghartey, 77**
Presentation Title: "Who Cares What I Say?" A Critical Analysis of Race, Education, and Identity in 21st Century America
Research Mentor: Corey Walker
Research Institution: Brown University
Home Institution: Hamilton College
Co-Authors: Cory D.B. Walker, Brown University

**Nayana Ghosh-Choudhury, 4**
Presentation Title: Are Functional Domains of Low Risk Mucosal HPV's Important for Their Biological Activities such as mTORC1 Signaling and CAP Dependent Translation?
Research Mentor: Karl Munger
Research Institution: Harvard University, Division of Medical Sciences
Home Institution: University of Texas at Austin
Co-Authors: Karl Munger and Jennifer Spangle, Harvard University Div. of Medical Sciences

**Timothy Gilpatrick, 19**
Presentation Title: Cellular Response to Epigenetic Reader Inhibition and Applications for Cancer Therapy
Research Mentor: James Bradner
Research Institution: Harvard University, Division of Medical Sciences
Home Institution: University of Delaware
Co-Authors: Peter Rahl, Massachusetts Institute of Technology; Ghayas Issa and James Bradner, Harvard University Div. of Medical Sciences

**Fatema Haque, 98**
Presentation Title: What Makes An Object Memorable? Effects of "Familiar Size" on Visual Working Memory
Research Mentor: George Alvarez
Research Institution: Harvard University
Home Institution: Morgan State University
Co-Authors: Talia Konkle, Massachusetts Institute of Technology; George Alvarez, Harvard University Arts and Sciences

**Ebony Hinton, 84**
Presentation Title: Examining the Relationship between Teacher-Student Similarities and Classroom Interactions
Research Mentor: Jason Downer
Research Institution: Harvard University School of Education
Home Institution: University of Alabama-Birmingham
Co-Authors: Jason Downer, Manuela Jimenez and Andre Durham, University of Virginia - Education Sciences
Thanh Hoang, 16 .............................. 9:45-10:45 AM
Presentation Title: You Are What You Eat: Exploring Healthy Eating Behaviors in Adolescents and Asian-Americans
Research Mentor: Ruth Bernheim
Research Institution: University of Virginia School of Education
Home Institution: University of Rochester
Co-Authors: Aaron Pannone, University of Virginia - BioMedical Sciences

Adan Horta, 68 .............................. 9:45-10:45 AM
Presentation Title: Sexually Dimorphic Expression of Cytochrome P450s in Liver Along Mouse Lineage
Research Mentor: Stephen Liberles
Research Institution: Harvard University, Division of Medical Sciences
Home Institution: Vanderbilt University
Co-Authors: Qian Li, Dheeraj Roy and Stephen Liberles, Harvard University Div. of Medical Sciences

Tamera Hughes, 22 .............................. 9:45-10:45 AM
Presentation Title: Synthesis, Purification and Characterization of Various Potential Anti-parasitic and Chemo-preventive Compounds
Research Mentor: Amol Kulkarni
Research Institution: Howard University
Home Institution: Tougaloo College
Co-Authors: Amol Kulkharni, Howard University

Zenas Igbinoba, 49 .............................. 8:45-9:45 AM
Presentation Title: Inducing Phenotypic Change in Bone Marrow Cells Through Microvesicles
Research Mentor: Jason Aliotta
Research Institution: Brown University
Home Institution: Rice University
Co-Authors: Jason Aliotta, Brown University

Sanchez Jarrett, 54 .............................. 9:45-10:45 AM
Presentation Title: Investigating Multidrug and DNA Recognition by the Multidrug Resistance (MDR) Gene Regulator, Rob
Research Mentor: Herschel Wade
Research Institution: Johns Hopkins University
Home Institution: Brooklyn College CUNY
Co-Authors: Herschel Wade, Sharrol Bachas and Michael Crone, Johns Hopkins University

Devin Karbowicz, 91 .............................. 8:45-9:45 AM
Presentation Title: The Enjoyment of Shared Experiences
Research Mentor: Daniel Gilbert
Research Institution: Harvard University
Home Institution: Princeton University
Co-Authors: Daniel Gilbert and Bethany Burum, Harvard University Arts and Sciences

Daniel Kepple, 76 .............................. 9:45-10:45 AM
Presentation Title: Quantitative Analysis of Spindle Dynamics in the Genome-wide RNAi Screening of Early Embrogenesis in Caenorhabditis elegans
Research Mentor: Daniel Needleman
Research Institution: Harvard University
Home Institution: Syracuse University
Co-Authors: Daniel Needleman, Reza Farhadifar and Omer Mano, Harvard University Arts and Sciences

Jacob Layer, 67 .............................. 8:45-9:45 AM
Presentation Title: Localizing CDK12 to Notch Target Genes
Research Mentor: Hongfang Wang
Research Institution: Harvard University, Division of Medical Sciences
Home Institution: Indiana University Purdue University
Co-Authors: Jon Aster and Hongfang Wang, Harvard University Div. of Medical Sciences

Karico Left Hand, 118 .............................. 9:45-10:45 AM
Presentation Title: Radon in Apsaalooke (Crow) Country
Research Mentor: Neva Tall Bear
Research Institution: Montana State University–Bozeman
Home Institution: Little Big Horn College
Co-Authors: Neva Tall Bear, Little Big Horn College

Joshua Leggette, 107 .............................. 8:45-9:45 AM
Presentation Title: Calix[4]arene and the Fluorescence Sensing of Heavy Metal Ions
Research Mentor: Galina Talanova
Research Institution: Howard University
Home Institution: Tougaloo College
Co-Authors: Vladimir Talanova and Galina Talanova, Howard University
Jessica Leonard, 82......................... 9:45-10:45 AM
Presentation Title: Psychic in the Classroom: The Effect of Teacher Expectations on Student Outcomes
Research Mentor: James Wyckoff
Research Institution: University of Virginia School of Education
Home Institution: Tuskegee University
Co-Authors: James Wyckoff, Daphna Bassok and Thomas Dee, University of Virginia - Education Sciences

Nadia Leonard, 108............... 9:45-10:45 AM
Presentation Title: Reactivity Studies of Organometallic Iron Complexes toward Catalytic Transformations
Research Mentor: Theodore Betley
Research Institution: Harvard University
Home Institution: Brown University
Co-Authors: Theodore Betley and Graham Sazama, Harvard University Arts and Sciences

Jie Bin Liu, 23 ......................... 8:45-9:45 AM
Presentation Title: Regulation of Survivin Expression by Rapamycin in High-risk Neuroblastoma
Research Mentor: Rachel Altura
Research Institution: Brown University
Home Institution: Colby College
Co-Authors: Rachel Altura, Ayman Samkari and Zachary Cooper, Brown University

Patrick Loftus, 24 ...................... 9:45-10:45 AM
Presentation Title: Inflammation Response in Microfluidic Lung-On-A-Chip Devices
Research Mentor: Donald Ingber
Research Institution: Harvard University, Division of Medical Sciences
Home Institution: University of Utah
Co-Authors: Jacob Fraser, Lori McPartlin and Donald Ingber, Harvard University Div. of Medical Sciences

Jessica Long Knife, 40............... 9:45-10:45 AM
Presentation Title: I See Dots, What Do They Mean?
Research Mentor: Brian Bothner
Research Institution: Montana State University -Bozeman
Home Institution: Fort Belknap College
Co-Authors: Brian Bothner, Walid Maaty and Patricia Mathabe, Montana State University

Paloma Lopez, 111 ..................... 8:45-9:45 AM
Presentation Title: Characterization of a Novel Red-pigmented Bacterium Isolated from a Large Hailstone
Research Mentor: John Priscu
Research Institution: Montana State University -Bozeman
Home Institution: UC Santa Cruz
Co-Authors: Alexander Michaud and John Priscu, Montana State University

Lumena Louis, 61..................... 8:45-9:45 AM
Presentation Title: Death of the O-GlcNAc Transferase Knockout; Clues to the Essential Roles of O-GlcNAc!
Research Mentor: Natasha Zachara
Research Institution: Johns Hopkins University
Home Institution: Brooklyn College CUNY
Co-Authors: Natasha Zachara and Rubi Luna, Johns Hopkins University

Saima Machlovi, 6.................... 9:45-10:45 AM
Presentation Title: The Role of the Perirhinal and Postrhinal Cortices in a Complex Discrimination Task
Research Mentor: Rebecca Burwell
Research Institution: Brown University
Home Institution: Hunter College
Co-Authors: Catherine Wilson, Hunter College; Rebecca Burwell, Brown University

Wilnelia Medina, 32............... 9:45-10:45 AM
Presentation Title: Is Cortical Demyelination Specific to Multiple Sclerosis?
Research Mentor: Enrique Alvarez
Research Institution: Washington University in St. Louis
Home Institution: UPR-Rio Piedras
Co-Authors: Enrique Alvarez, Washington University in St. Louis

Ariel Meilich, 81.................... 8:45-9:45 AM
Presentation Title: The Role of Reinforcement Learning in Controlled Retrieval
Research Mentor: David Badre
Research Institution: Brown University
Home Institution: Hunter College
Co-Authors: Jason Scimeca and David Badre, Brown University
Anabel Miguelez, 9 .............................. 8:45-9:45 AM
Presentation Title: The Effect of Catheter Diameter and Injection Speed on the Viability of Human Bone Marrow Mesenchymal Stem Cells
Research Mentor: Dileep Yavagal
Research Institution: University of Miami
Home Institution: University of Miami
Co-Authors: Dileep Yavagal, Phillip Garza and Steven Amatangelo, University of Miami

Amar Mirza, 8 .................................... 9:45-10:45 AM
Presentation Title: Characterization of the Epidermal Growth Factor Receptor Exon 19 Insertion
Research Mentor: Michael Eck
Research Institution: Harvard University, Division of Medical Sciences
Home Institution: University of Georgia
Co-Authors: Michael Eck and Eunyoung Park, Harvard University Div. of Medical Sciences

Athalia Morrison, 115 ......................... 8:45-9:45 AM
Presentation Title: Isolation, Cultivation and Characterization of Extremophilic Algae for Biofuels Production
Research Mentor: Rich Macur
Research Institution: Montana State University - Bozeman
Home Institution: Little Big Horn College
Co-Authors: Rich Macur, Montana State University

Alyssa Moudy, 87 ................................. 8:45-9:45 AM
Presentation Title: The Link Between Parenting Practices and the Perpetration of Violence in Adolescents: Moderation by Family Characteristics
Research Mentor: Patrick Tolan
Research Institution: University of Virginia School of Education
Home Institution: Davidson College
Co-Authors: Shannon Varga, Angela Henneberger and Patrick Tolan, University of Virginia - Education Sciences

Khabir Muhammad, 30 .......................... 9:45-10:45 AM
Presentation Title: Causality of Memory Loss in Epilepsy Patients
Research Mentor: Vernon Leo Towle
Research Institution: University of Chicago
Home Institution: Morehouse College
Co-Authors: Vernon Leo Towle, Eli Albert and Carly Berg, University of Chicago

Suresh Nayar, 18 ............................... 9:45-10:45 AM
Presentation Title: Quantitative Analysis of Immunohistochemistry Staining of Yes-Associated Protein Expression in Biliary Dysplasia
Research Mentor: Robert Anders
Research Institution: Johns Hopkins University
Home Institution: Grinnell College
Co-Authors: Robert Anders, Haibo Bai and Mehtab Khan, Johns Hopkins University

Antoinette Nelson, 15 ........................... 8:45-9:45 AM
Presentation Title: The Effects of Physicochemical Properties of Nanoparticles on Airway Epithelium
Research Mentor: Ramana Sidhaye
Research Institution: Johns Hopkins University
Home Institution: SUNY Stony Brook
Co-Authors: Ramana Sidhaye and Eric Chau, Johns Hopkins University

Janice Nieves, 25 ............................... 8:45-9:45 AM
Presentation Title: Co-Culture between Mesenchymal Stem Cells (MSC) and Cardiac Side Population (CSP) Cells towards Promoting CSP Viability against Stress
Research Mentor: Ronglih Liao
Research Institution: Harvard University, Division of Medical Sciences
Home Institution: UPR-Cayey
Co-Authors: Yiling Qiu and Ronglih Liao, Harvard University Div. of Medical Sciences

Tyler Pankratz, 109 ............................. 8:45-9:45 AM
Presentation Title: The Effects Of Imazapic on Blue Bunch Wheat Grass
Research Mentor: Jane Mangold
Research Institution: Montana State University - Bozeman
Home Institution: Fort Belknap College
Co-Authors: Jane Mangold, Montana State University

Danelvis Paredes Taveras, 13 ................. 8:45-9:45 AM
Presentation Title: The Study of the Site of Action of GDNF in Enhancing Regeneration after Axonal Injury Utilizing In vitro Microfluidic Platforms
Research Mentor: Nitish Thakor
Research Institution: Johns Hopkins University
Home Institution: UPR-Mayaguez
Co-Authors: Nitish Thakor and Rezina Siddique, Johns Hopkins University
Christina Parker, 26 ............................ 9:45-10:45 AM
Presentation Title: Assessing Gene Expression in Sarcomas in Mouse Skeletal Muscle
Research Mentor: Amy Wagers
Research Institution: Harvard University, Division of Medical Sciences
Home Institution: University of Maryland, Baltimore County
Co-Authors: Amy Wagers and Simone Hettmer, Harvard University Arts and Sciences

Iymaan Pinkman, 3 ............................. 8:45-9:45 AM
Presentation Title: Biochemical Activities of the Mitochondrial Sirtuin, SIRT5 and Modulation by Small Molecules
Research Mentor: Anthony Sauve
Research Institution: Weill Cornell Graduate School
Home Institution: Delaware State University
Co-Authors: Anthony Sauve and Dou Yeon Youn, Weill Cornell Graduate School of Medical Sciences

Odis Ponce, 74 ................................. 9:45-10:45 AM
Presentation Title: Interaction of Ddc1 and Dpb11 in the DNA Damage Checkpoint Signaling in Saccharomyces cerevisiae
Research Mentor: Marcus Smolka
Research Institution: Cornell University
Home Institution: Cornell University
Co-Authors: Marcus Smolka, Cornell University

Nicholas Popp, 62 ............................. 9:45-10:45 AM
Presentation Title: The Role of ATP Hydrolysis in the Dissociation of UvrA Dimer in Nucleotide Excision Repair
Research Mentor: David Jeruzalmi
Research Institution: Harvard University
Home Institution: University of Chicago
Co-Authors: David Jeruzalmi and Danaya Pakotiprapha, Harvard University Arts and Sciences

Valencia Potter, 48 ............................ 9:45-10:45 AM
Presentation Title: Determining the Mechanism of the Trpc6 Mutation in the Upregulation of Calcium Ions in the Wnt Pathway in Focal and Segmental Glomerulosclerosis
Research Mentor: Katherina Walz
Research Institution: University of Miami
Home Institution: Xavier University of Louisiana
Co-Authors: Katherina Walz, University of Miami

Chelsea Powell, 33 ............................. 8:45-9:45 AM
Presentation Title: The Interaction of Tmc2 with Potassium Channel Alpha Subunits
Research Mentor: Geoffrey Abbott
Research Institution: Weill Cornell Graduate School
Home Institution: Stanford University
Co-Authors: Geoffrey Abbott and William Harkcom, Weill Cornell Graduate School of Medical Sciences

Laura Powell, 17 .............................. 8:45-9:45 AM
Presentation Title: Characterization of Disulfide Bond Formation Pathways in Francisella novicida
Research Mentor: Barbara Mann
Research Institution: University of Virginia School of Medicine
Home Institution: University of Delaware
Co-Authors: Barbara Mann, University of Virginia - BioMedical Sciences

Meenakshi Prajapati, 56 ...................... 9:45-10:45 AM
Presentation Title: Regulation of Mitochondria Motility in Neurons by O-GlcNAc Transferase
Research Mentor: Thomas Schwarz
Research Institution: Harvard University, Division of Medical Sciences
Home Institution: University of Arkansas at Fayetteville
Co-Authors: Thomas Schwarz and Gulcin Pekkurnaz, Harvard University Div. of Medical Sciences

Blaine Radley, 52 ............................. 9:45-10:45 AM
Presentation Title: Differential Expression of Transcription Factors Seen in PAU Genes while Under Hypoxic Conditions
Research Mentor: Fred Winston
Research Institution: Harvard University, Division of Medical Sciences
Home Institution: Morehouse College
Co-Authors: Fred Winston and Daniel Spatt, Harvard University Div. of Medical Sciences

Zachariah Reagh, 90 ......................... 9:45-10:45 AM
Presentation Title: Categorical Modulations of Steady State Visual Evoked Potentials
Research Mentor: Bruce McCandliss
Research Institution: Vanderbilt University
Home Institution: University of Alabama-Birmingham
Co-Authors: Yuliya N. Yoncheva and Bruce D. McCandliss, Vanderbilt University
Anna Rhoad, 80 ................................. 9:45-10:45 AM
Presentation Title: Relation of Language and Social Skills: Boys versus Girls
Research Mentor: Andy Mashburn
Research Institution: University of Virginia School of Education
Home Institution: Northwestern University
Co-Authors: Anita McGinty and Andy Mashburn, University of Virginia - Education Sciences

Rhea Richardson, 63 ............................8:45-9:45 AM
Presentation Title: Petal Spur Evolution and Development in Aquilegia
Research Mentor: Elena Kramer
Research Institution: Harvard University
Home Institution: University of Kansas
Co-Authors: Joshua Puzey and Elena Kramer, Harvard University Arts and Sciences

Mariel Rios, 10 ................................... 9:45-10:45 AM
Presentation Title: The Effects of Rapamycin Treatment on Tsc1-deficient Neurons in the Thalamus
Research Mentor: Mark Zervas
Research Institution: Brown University
Home Institution: New York University
Co-Authors: Elizabeth Normand and Mark Zervas, Brown University

Bianshly Rivera Rivero, 69 .................. 8:45-9:45 AM
Presentation Title: The Role of Cardiac ATP-sensitive Potassium (KATP) Channels in Metabolism and Oxygen Sensing
Research Mentor: Elizabeth McNally
Research Institution: University of Chicago
Home Institution: UPR-Rio Piedras
Co-Authors: Elizabeth McNally and John P. Fahrenbach, University of Chicago

Gaberiella Robinson, 34 .................... 9:45-10:45 AM
Presentation Title: Functions of Protocaherin-1 in Chickens to Assemble Cells into Tissues
Research Mentor: Roger Bradley
Research Institution: Montana State University - Bozeman
Home Institution: Montana State University - Bozeman
Co-Authors: Roger Bradley, Montana State University

Yesenia Roman-Lopez, 117 .................8:45-9:45 AM
Presentation Title: Breastfeeding Patterns and their Relation with Socio-demographic Factors in American Samoa
Research Mentor: Stephen McGarvey
Research Institution: Brown University
Home Institution: UPR-Rio Piedras
Co-Authors: Stephen McGarvey and Nicola Hawley, Brown University

Miguel Roque, 44 ...............................9:45-10:45 AM
Presentation Title: Molecular Basis for Ligand Specificity in the Mammalian Olfactory System
Research Mentor: Stephen Liberles
Research Institution: Harvard University, Division of Medical Sciences
Home Institution: SUNY Binghamton
Co-Authors: Stephen Liberles and David Ferrero, Harvard University Div. of Medical Sciences

Jose Rosales-Chavez, 88 .....................9:45-10:45 AM
Presentation Title: Assessment of Physical Activity Patterns among American Samoa Children Ages 9-12
Research Mentor: Stephen McGarvey
Research Institution: Brown University
Home Institution: University of San Diego
Co-Authors: Stephen McGarvey, Brown University

Daniel Sandoval, 51 ............................. 8:45-9:45 AM
Presentation Title: Characterizing Mutants in the Self Versus Non-Self Recognition Pathway of Proteus mirabilis
Research Mentor: Karine Gibbs
Research Institution: Harvard University
Home Institution: UC Irvine
Co-Authors: Karine Gibbs, Nora Sullivan and Andrew Fields, Harvard University Arts and Sciences

Oscar Sandoval, 100 ...........................9:45-10:45 AM
Presentation Title: The Development and Testing of Cheap Photovoltaic Cells for their Incorporation in LED and UV Lighting Systems for their Use in Less Developed Countries
Research Mentor: Gary Harris
Research Institution: Howard University
Home Institution: California State Polytechnic University, Pomona
Co-Authors: Gary Harris and William Rose, Howard University
Bella Sarjoh, 102 .......................... 9:45-10:45 AM
Presentation Title: Molecular Mechanism of HIV Induced Dementia: Cloning and Expression of Recombinant Tat and NMDA Receptor Proteins
Research Mentor: Mario Amzel
Research Institution: Johns Hopkins University
Home Institution: Trinity College
Co-Authors: Mario Amzel, Mario Bianchet and Anita Ghosh, Johns Hopkins University

Michka Sharpe, 64 ......................... 9:45-10:45 AM
Presentation Title: Investigation of an Internal Latency Associated Nuclear Antigen (LANA) Region Critical for Kaposi's Sarcoma-Associated Virus (KSHV) Episome Persistence
Research Mentor: Kenneth Kaye
Research Institution: Harvard University, Division of Medical Sciences
Home Institution: Emory University
Co-Authors: Kenneth Kaye and De LeUñ Vasquéz, Harvard University Div. of Medical Sciences

Jasmine Snoddy, 55 ......................... 8:45-9:45 AM
Presentation Title: Characterization of miR-216a Expression and Function during Zebrafish Development
Research Mentor: Jim Patton
Research Institution: Vanderbilt University
Home Institution: Claflin University
Co-Authors: Jim Patton and Abigail Olena, Vanderbilt University

Lukman Solola, 65 .......................... 8:45-9:45 AM
Presentation Title: Role of Sodium-Hydrogen Exchangers, NHE9 and NHE6, in Membrane Protein Trafficking by Primary Mouse Astrocytes
Research Mentor: Rajini Rao
Research Institution: Johns Hopkins University
Home Institution: Brooklyn College CUNY
Co-Authors: Rajini Rao, Annisha Hack and Kalyan Kondapalli, Johns Hopkins University

Brockton Starling, 105 ...................... 8:45-9:45 AM
Presentation Title: Global Trends: Using Twitter to Track Political Movements
Research Mentor: Jordan Mulder-Crouser
Research Institution: Tufts University
Home Institution: Morehouse College
Co-Authors: Jordan Mulder-Crouser and Remco Chang, Tufts University

Kendra Teague, 42 .......................... 9:45-10:45 AM
Presentation Title: Identification of Antarctic Isolates by Carbon Source Utilization Patterns
Research Mentor: Christine Foreman
Research Institution: Montana State University -Bozeman
Home Institution: Montana State University
Co-Authors: Christine Foreman and Heidi Smith, Montana State University

Charné Thomas, 11 ........................ 8:45-9:45 AM
Presentation Title: Testing Anti Viral Compounds Against Pandemic Influenza Compounds
Research Mentor: Samita Andreasky
Research Institution: University of Miami
Home Institution: Dillard University
Co-Authors: Samita Andreasky and Darlah Lopez Rodriguez, University of Miami

Jamal Thorne, 106 .......................... 9:45-10:45 AM
Presentation Title: Brain Driven Recommendation System
Research Mentor: Evan Peck
Research Institution: Tufts University
Home Institution: Morehouse College
Co-Authors: Evan Peck and Reco Chang, Tufts University

Kumar Tiger, 73 ............................ 8:45-9:45 AM
Presentation Title: Identifying Components of Vg1 Anchoring Complex
Research Mentor: Kimberly Mowry
Research Institution: Brown University
Home Institution: CSU Dominguez Hills
Co-Authors: Kimberly Mowry and Erin Powrie, Brown University

Joseph Tillotson, 27 ....................... 8:45-9:45 AM
Presentation Title: Chemical Regulation of MAGE Levels in Differentiating Adipocytes
Research Mentor: Alan Saghatelian
Research Institution: Harvard University
Home Institution: Chaminade University of Honolulu
Co-Authors: Alan Saghatelian and Edwin Homan, Harvard University Arts and Sciences
Ileana Torres, 28......................... 9:45-10:45 AM
Presentation Title: Acute Myocardial Infarction and the Effects of Rapamycin Treatment
Research Mentor: Cesario Bianchi
Research Institution: Brown University
Home Institution: UPR-Aguadilla
Co-Authors: Cesario Bianchi, Brown University

Nathaniel Tucker, 79.................... 8:45-9:45 AM
Presentation Title: Utilizing Community Based Participatory Research to Sample Men's Sexual Health on the Fort Peck Reservation
Research Mentor: Elizabeth Rink
Research Institution: Montana State University -Bozeman
Home Institution: Montana State University -Bozeman
Co-Authors: Elizabeth Rink, Montana State University

Ashley Tutson, 29......................... 8:45-9:45 AM
Presentation Title: Determinants of the Health-Related Quality of Life in Patients with Type 2 Diabetes
Research Mentor: Wen-Chih Wu
Research Institution: Brown University
Home Institution: Tougaloo College
Co-Authors: Tracey Taveira and Wen-Chih Wu, Brown University

Shannon Varga, 89....................... 8:45-9:45 AM
Presentation Title: The Link Between Family Relationships and Perpetration of Violence in Adolescents: Moderation by Socioeconomic Status and Ethnicity
Research Mentor: Patrick Tolan
Research Institution: University of Virginia School of Education
Home Institution: Montclair State University
Co-Authors: Alyssa Moudy, Angela Henneberger and Patrick Tolan, University of Virginia - Education Sciences

Robert Wardlow II, 66.................... 9:45-10:45 AM
Presentation Title: Structure And Function of E3 Ubiquitin Ligase Mindbomb RING Domain
Research Mentor: Stephen C. Blacklow
Research Institution: Harvard University, Division of Medical Sciences
Home Institution: University of Maryland, Baltimore County
Co-Authors: Stephen Blacklow, Sung Hee Choi and Brian McMillan, Harvard University Div. of Medical Sciences

Charlene Weatherwax, 114............ 9:45-10:45 AM
Presentation Title: The Vertical Structure of the Atmosphere
Research Mentor: Berk Knighton
Research Institution: Montana State University -Bozeman
Home Institution: Montana State University -Bozeman
Co-Authors: Berk Knighton, Montana State University

Cindi-Ann Williams, 47.............. 8:45-9:45 AM
Presentation Title: Dendritic Cell Activation By Immunological Adjuvants Increases IL-12p70 Secretion
Research Mentor: Geoffrey Stone
Research Institution: University of Miami
Home Institution: John Jay College of Criminal Justice CUNY
Co-Authors: Geoffrey Stone, James Termini and Sachin Gupta, University of Miami

Danielle Wright, 45...................... 8:45-9:45 AM
Presentation Title: High-Throughput Single Cell DNA Amplification Using Microfabricated Droplets
Research Mentor: Aaron Phillips
Research Institution: Tufts University
Home Institution: Davidson College
Co-Authors: Aaron Phillips, Alexander Sakers and Mael Manesse, Tufts University
New Doctoral Scholars

The Leadership Alliance congratulates the following doctoral scholars who have recently completed their PhDs or MD-PhDs. These doctoral scholars bring the total number of Leadership Alliance doctoral scholars to 196.

Andres Matias-Ortiz, PhD  
BA, 1998, CUNY-Hunter College; PhD, 2011, University of Wisconsin Madison

Carmela Alacantra, PhD  
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Juan-Jose Sanchez-Cortes, PhD  
BS, 2005, UPR-Recinto de Rio Piedras; PhD, 2011, University of Chicago

Kristy McMorris, PhD  
BA, 2000, Howard University; PhD, 2011, New York University

Marta Alaina Holliday, PhD  
BA, 2004, Marymount College of Fordham University; PhD, 2011, University of Iowa

Mela Ronelle Johnson, PhD  
BS, 2005, UMBC; PhD, 2010, Georgia Institute of Technology

Nwokedi Chimezie Idika, PhD  
BS, 2005, UMBC; PhD, 2010, Purdue University

Oni Malaika Mapp, PhD  
BS, 2005, UMBC; PhD, 2010, University of Chicago

Ryan Gutierrez, PhD  
BS, 2005, Cornell University; PhD, 2011, Stanford University

Teshell Greene, PhD  
BS, 2005, Pace University of New York; PhD, 2011, University of Pennsylvania

MD/PhD

Calvin Williams, MD-PhD  
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Who's Who at the Symposium

Fernando Albertorio
Harvard University

Fernando Albertorio is an NIH-National Research Service Award (NRSA) postdoctoral research associate in physics. He has a BSc, in Chemistry from the Pontifical Catholic University of Puerto Rico and Ph.D. from Texas A&M. His research interests include studying the biophysical properties of biological membrane proteins, microfluidics and solid state-nanopores for single molecule detection and trapping. Fernando's interests include teaching and mentoring. He is part of the Harvard Pedagogy subgroup which studies various teaching and learning methods applied to science, technology and math (STEM) fields.

Cheryl Apprey
University of Virginia

Cheryl Burgan Apprey is beginning her sixth year as Director of Graduate Student Diversity Programs in the Office of the Vice President for Research at the University of Virginia. In this role Dr. Apprey is charged with the recruitment, retention, and mentoring of underrepresented/underserved students into graduate and professional programs. As the Institutional Coordinator of The Leadership Alliance at U.Va., she enjoys working with The Leadership Alliance scholars from universities and colleges from all over the country. Dr. Apprey is dedicated to the support of diversity of the student body at the graduate and professional school level and had a twenty-three year career at Miami University addressing this topic before coming to U.Va. She holds a B.S. from Howard University, M.Ed. from Miami University, and Ph.D. at The Ohio State University. She is married with three children and two grandchildren.

Earnestine Baker
University of Maryland, Baltimore County

Earnestine Baker is the Assistant to the Vice President of Institutional Advancement/Executive Director of the Meyerhoff Scholars Program at the University of Maryland, Baltimore County (UMBC). She joined UMBC in 1983 as the Coordinator of Minority Recruitment in the Office of Admissions. Between 1987 and 1992 she served as Associate Director for Scholarships at the University. In 1992, Mrs. Baker was appointed Director of the Meyerhoff Scholars Program, a nationally recognized program for talented students interested in pursuing terminal degrees in the sciences, mathematics, and engineering and computer science. The University System Maryland (USM) Board of Regents selected Mrs. Baker as the USM Outstanding Member for service to its community in July 2008. Mrs. Baker served as the Director of the Meyerhoff Scholars Program at UMBC for ten years and was appointed the Executive Director of the Program in 2002.

Geneva H. Baxter
Spelman College

Dr. Geneva Baxter is the Associate Dean for Undergraduate Studies at Spelman College, where she assists in providing oversight for the development and implementation of academic standards, policies, and programs. She also works with other offices to provide academic support services for students. She coordinates academic advising for first-year students and the First-year Experience Seminar. She also oversees the College's first-generation student success initiative. A member of several professional and civic organizations, Dr. Baxter received her BA degree in English from Spelman College, MA degree in American Literature from the University of Wisconsin and her PhD in American Literature and Rhetoric from Georgia State University.
Jabbar R. Bennett, Ph.D.
Brown University
Dr. Bennett serves as Assistant Dean of the Graduate School and Clinical Assistant Professor of Medicine at The Warren Alpert Medical School of Brown University. He is primarily responsible for Graduate School recruitment, and mentoring and counseling graduate students and postdocs on issues related to career progression. 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, a Harvard Medical School teaching affiliate. 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.

Anita Blanco
Stanford University School of Medicine
Anita Blanco serves as Director of Diversity Recruitment and Engagement in the Genetics Department of Stanford University's School of Medicine. In this capacity, Ms. Blanco seeks to increase the diversity of doctoral and post-doctoral students engaged in research related to genetics and genomics. She serves as a strong advocate for diverse doctoral applicants when participating in the application review process and determining offers of admission. Professionally, she has 13 years of experience in increasing and fostering diversity in academia. She has also served on numerous Boards of Directors at local, state, and national levels with various nonprofits and professional associations. Graduating with a bachelor's degree at age 19, Ms. Blanco earned her undergraduate degree from Mary Baldwin College and graduate degree from Arizona State University.

Travis Boyce
University of Northern Colorado
Dr. Travis Boyce is an Assistant Professor of Africana Studies and Social Sciences at the University of Northern Colorado (UNC). He coordinates the Africana Studies secondary teaching education program. He also serves as the Faculty in Residence for Housing and Residential Education at UNC. Dr. Boyce is a specialist in African American educational history, African American contemporary history and African American leadership. His research includes the history of African American college presidents and Historically Black Colleges and Universities (HBCUs) during the era of the Civil Rights Movement and the Cold War. A 2001 Yale University SR-EIP fellow, Dr. Boyce received his B.A degree in history from Claflin University in 2002, his M.A. degree in history from Ohio University in 2004, and a Ph.D in Cultural Studies from Ohio University in 2009.

Lawrence (Skip) Brass
University of Pennsylvania
Lawrence (Skip) Brass, MD PhD is a graduate of Harvard College and Case Western Reserve University, where he received his MD and a PhD in biochemistry. Dr. Brass was a fellow in Hematology-Oncology at the University of Pennsylvania where he served as Vice Chair for Research in the Department of Medicine from 2004 to 2007, and is currently Professor of Medicine and Pharmacology. He became Associate Dean and Director of Penn's Medical Scientist Training Program in 1998. Dr. Brass is active at the national level in the development of training programs for physician-scientists, and has served as President of the National Association of MD-PhD Programs and Chair. Dr. Brass's research interests are in the fields of hemostasis and vascular biology. Among other awards, Dr. Brass was the recipient of the Christian R. and Mary F. Lindback Award for Distinguished Teaching from the University of Pennsylvania and (to his greatest satisfaction) numerous teaching awards from Penn medical students.
Liza Cariaga-Lo  
*Harvard University*

Liza Cariaga-Lo is Assistant Provost for Faculty Development and Diversity at Harvard University. She was previously Assistant Dean at the Yale Graduate School of Arts & Sciences and the Director of the Office for Diversity and Equal Opportunity, as well as Clinical Professor, Child Study Center at Yale School of Medicine. She received her master's and doctorate in Education and Developmental Psychology from Harvard University. Besides teaching courses related to minority health and developmental psychology, Dr. Cariaga-Lo has also taught African American Studies and Asian American Studies courses and consults widely on cultural diversity and multicultural education issues. Her areas of research include education program evaluation, minority student development, ethnic minority health care, and public policy affecting children and families. She has just completed work on a book about the identity development of Asian Americans and is working on a children's book about growing up in a multicultural environment.

Jade J. Carter  
*Ventura County Sheriff’s Office, Forensic Sciences Laboratory*

Dr. Jade J. Carter is a Forensic Scientist in the Forensic Biology Section of the Ventura County Sheriff’s Office Forensic Sciences Laboratory in Ventura, CA. In her position, she performs DNA analysis on items of evidence that have been submitted by law enforcement personnel throughout Ventura County. As a result of her work, Jade has contributed to the identification of eleven suspects that were involved in criminal acts since she began casework in June 2010. She has completed over 70 cases within a one-year time period and is biannually tested for proficiency in experimental procedures. She has been trained in crime scene analysis and reconstruction and volunteers to assist in crime scene processing and analysis. In addition, she serves as a provisional member of the California Association of Criminalists. A 2001 Brown University SR-EIP fellow, Dr. Carter received her B.S. degree in Chemistry from Chestnut Hill College in 2002 and a Ph.D in Pathobiology from Brown University 2008. She was also a Postdoctoral Fellow at the Biomanufacturing Research Institute and Technology Enterprise (BRITE) Program at North Carolina Central University in Durham, NC.

David J. Castro  
*Nalco Company*

Dr. David Castro graduated from the University of Puerto Rico-Río Piedras with a Bachelor's Degree in Chemistry. In 2005, he defended his Ph.D. dissertation titled "Collisions and Reactions of n-Propanol with Liquid NaOH/KOH” in Physical Chemistry at the University of Wisconsin-Madison. Since then, he has been working as a Senior Chemist in the Grade Innovations division of the Pulp and Paper, Research and Development department at Nalco. As part of his duties, he designs and conducts experiments to study the effects of novel chemistries in the production efficiency of paper and the properties of the final product. Two specific areas of his current research focus on paper printability and sizing (the ability of the paper to repel hydrophilic liquids). Mr. Castro is part of five Memoranda of Invention within Nalco.

Kathia Cordero-Caban  
*Loma Linda University*

Kathia Cordero-Cabán is an MD-PhD student at Loma Linda University School of Medicine. She completed her first two years of medical school and successfully passed the USMLE Step1. She is now in her second year of PhD in physiology and is studying for her comprehensive exams. She has been the local chapter AMSA president of Loma Linda University School of Medicine for three years. Mrs. Cordero-Cabán received her B.S. from University of Puerto Rico at Mayagüez and University of Massachusetts-Amherst. She currently works in Dr. Marino de León Laboratory at the Center for Health Disparities and Molecular Medicine of Loma Linda University School of Medicine. For her PhD thesis project, she is studying the possible protective roles of docosahexaenoic acid, an omega-3 fatty acid, in a neurodegeneration model of spinal cord injury in rats.
Liv Detrick
Institute for Broadening Participation

Liv Detrick is Assistant Director of the Institute for Broadening Participation, and Project Manager for IBP’s NASA One Stop Shop Initiative (OSSI) project. Liv coordinates OSSI-related recruitment activities, assists students in completing their applications, and coordinates activities to increase faculty networking and student/faculty awareness of OSSI. She works closely with IBP’s other project managers and Regional Specialist team to coordinate recruitment and outreach, and plays a leading role in designing and creating IBP materials. Additionally, Liv contributes to grantswriting and project development at IBP, and serves as IBP’s web developer. Liv has a BS in Environmental Studies from Mount Holyoke College and an MS in Geography from Penn State University.

Christopher Downing, Jr.
Virginia Tech

Christopher Downing, Jr. is a fifth-year graduate student in Virginia Tech’s Industrial/Organizational Psychology Program. At Tech, he serves as a graduate mentor and advisor to undergraduate students. During the summer, he works as a graduate assistant for MAOP (Multicultural Academic Opportunities Program) to help prepare and encourage underrepresented students to attend graduate school. Christopher received his B.S. degree from Delaware State University and his M.S. degree from Virginia Tech. He is currently working on his Ph.D. degree and enjoying his responsibilities as a graduate teacher to the undergraduate population.

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 five 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, and the ASM Undergraduate Teaching Fellowship. 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.

Bianca L. Garner
Tougaloo College

Dr. Bianca L. Garner is an Associate Professor and Chair of the Biology Department at Tougaloo College. Dr. Garner serves on numerous Task Forces at Tougaloo College, including the Honors Program and the Graduate Students. Dr. Garner is an undergraduate advisor, teaching core and advance biology courses and is the faculty co-sponsor of Beta, Beta, Beta. She is involved in grant submissions for the Natural Science Division, including the 2011 NSF STEM Scholarship and the Howard Hughes Medical Institute Initiatives for Universities. She is the recipient of a Mississippi IDEa Networks of Biomedical Research Excellence (INBRE) grant for research entitled “Iron Regulation of Bacillus Physiology” and the recipient of a Research Infrastructure for Minority Serving Institutions Mini-grant for “Iron Acquisition System Regulation in Bacillus cereus Group”. She currently mentors 4 undergraduate and one graduate student in biomedical research. In 2011, Dr. Garner was the recipient of the President's Outstanding Junior Faculty Teaching Award.
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.

Michelle M. Grundy  
*Vanderbilt University*

Dr. Michelle M. Grundy, Assistant Professor of Medical Administration, serves as Assistant Director of Graduate Programs in Biomedical Sciences. Dr. Grundy earned her Ph.D. in 2000 from the Department of Microbiology and Immunology at Vanderbilt. Dr. Grundy is responsible for student recruitment and directs the admissions process for their Ph.D. programs and M.D./Ph.D. Program. Dr. Grundy also serves as Director of the Vanderbilt Summer Science Academy which provides a structured environment for undergraduate students participating in summer research at Vanderbilt. The Summer Academy has proven to be a useful tool in recruiting students to the Interdisciplinary Graduate Program and the Chemical and Physical Biology Program which are both Ph.D.-track training programs.

Robert Harper-Mangels  
*Yale University*

Robert Harper-Mangels has served as Assistant Dean of the Graduate School since 2006. His responsibilities include the academic affairs of the graduate programs in the Sciences and Engineering, as well as Anthropology, Linguistics, Psychology, and Statistics. He is the campus advisor for graduate and professional students applying to the Fulbright student award, the Fulbright-Hays Doctoral Dissertation Research Award, and the National Science Foundation Graduate Research Fellowship Program, as well as liaison to the Graduate Student Assembly. Dean Harper-Mangels earned his B.A. in Music and Psychology at Wesleyan University and a Ph.D. in Neuroscience and Behavior at the University of Massachusetts at Amherst. Before coming to Yale, he served as Assistant Director of the Northwestern University Institute for Neuroscience.

George Hill  
*Vanderbilt University*

George C. Hill, Ph.D. is the Levi Watkins, Jr. Professor and Associate Dean for Diversity in Medical Education at Vanderbilt University School of Medicine. He has primary responsibility for stimulating and coordinating efforts to increase diversity at Vanderbilt University School of Medicine. He is also continuing his research as a Professor in the Department of Microbiology and Immunology. He was an NIH Research Fellow at the University of Cambridge, Cambridge Great Britain in 1972, and a Fulbright Fellow to the University of Nairobi, Nairobi Kenya in 1982. He was elected a member of the Institute of Medicine of the National Academy of Sciences in 1998 and a Fellow of the American Academy of Microbiology in 2002. NIH, NSF, and the Department of the Army have funded Dr. Hill’s research. Dr. Hill received his Ph.D. from New York University working on the electron transport systems in African trypanosomes with Dr. Seymour Hutner.
Mark Hernandez
University of Colorado at Boulder

Mark Hernandez attained all of his degrees from the College of Engineering at the University of California at Berkeley. After a post-doc (also at Berkeley) and several years of professional practice, he joined the University of Colorado faculty in 1996, where he is a Professor in the Department of Civil, Environmental and Architectural Engineering. He also serves as a Director of the Colorado Diversity Initiative, which coordinates major diversity efforts among science, math, and engineering departments, with a focus on promoting underrepresented students through graduate schools and into the professorate. He won the Water Environment Foundation’s Canham Award to support technology transfer between the US and England, and was a recipient of a National Science Foundation early CAREER award. Most recently, Dr. Hernandez research has focused on large-scale disasters. He holds patents for the reclamation of heavy metals from wastewater, and has over 50 archival publications.

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.

Marcus B. Jones
J. Craig Venter Institute (JCVI)

Dr. Marcus Jones is a staff scientist 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).

Laina King
Keystone Symposia on Molecular and Cellular Biology

Dr. King is the Director of Diversity in Life Science Programs and Co-Mentor of the Keystone Symposia Fellows Program. Former Academic Dean and Professor of Pharmaceutical sciences at a regional health sciences center, she joined Keystone Symposia in 2008. A past appointed member of the AMA/AAMC Liaison Committee on Medical Education (LCME), she has held numerous academic appointments along with serving as Japan consultant for the U.S. DOD. She currently is a voting member of a U.S. FDA Drug Advisory Committee and the Principal Investigator of an NIH MARC T-36 grant. Keystone Symposia, founded as UCLA Symposia in 1972 offers scholarships and mentoring opportunities for scientists attending the 55+ “cutting-edge” research conferences held globally each year. Dr. King received her B.A., M.A. and Ph.D. from The University of Michigan – Ann Arbor.
Meghan Kirksey
New York Presbyterian Hospital - Weill Cornell

Meghan Kirksey is in her final year of the Anesthesiology Residency Program at New York Presbyterian Hospital - Weill Cornell. She will begin fellowship training in Critical Care Anesthesiology at New York Presbyterian Hospital - Columbia University Medical Center in 2012. Meghan is a graduate of the Weill-Cornell/Memorial Sloan-Kettering/Rockefeller University Tri-Institutional MD-PhD Program where she completed her PhD research in infection biology in the laboratory of Dr. John McKinney at The Rockefeller University. As a graduate student, she studied infectious diseases in Salvador, Brazil as a Fulbright Scholar. She began her undergraduate studies at Bard College at Simon's Rock and earned her B.S. in Biological Sciences from The University of Maryland Baltimore County (UMBC) where she was a Meyerhoff Scholar and a M.A.R.C. U*Star Trainee. As an undergraduate, Meghan conducted her senior research project with Dr. Phyllis Robinson at UMBC and participated in summer research at Lancaster University in England through the Fogarty MIRT Program.

Lynette Lopes
Imagine You lc

Lynette Lopes is the President/Founder of Imagine You lc (Life Coaching), a personal transformation training firm founded in 2000; dedicated to positively and profoundly impacting clients’ lives, through specialized individual or group coaching, workshop facilitation, presentation skill development, motivational speaking, image consultation, mentoring and training development programs, thus empowering them to positively impact their families, workplaces and communities. Lynette holds a B.A. in Communications and Management (concentration in public speaking) from Rhode Island College, and a Training & Development Certification from Bryant University, and Trained Co-Active Coach from Coaches Training Institute (CTI). She is a United States Coast Guard Auxiliary Staff Officer and Certified Instructor, National Urban League Guild Eastern Regional Coordinator (12 states) and former host of “Able Too” Television talk show. As a Licensed Optician, Lynette has traveled worldwide including Albania, Bangladesh, Tunisia, Mexico, Singapore, Taipei and Switzerland, providing eyeglasses to the underprivileged with the Give The Gift of Sight program.

Joseph Marlin
NYU School of Medicine

Joseph Marlin is a fourth-year MD-PhD student at NYU School of Medicine, and is working in the laboratory of Dr. Moses Chao. His research project focuses on the role of neurotrophin signaling in the plasticity of inhibitory synapses. In 2008, Joseph received his B.A. in Molecular and Cell Biology and his B.S. in Chemistry from the University of California, Berkeley. Currently, Joseph is acting as a counselor for the NYU Summer Undergraduate Research Program, which is under the directorship of Dr. Joel Oppenheim. This is Joseph’s fourth appearance in the Leadership Alliance National Symposium; his first was in 2007.

Joeli Marrero, PhD
Weill Cornell Medical College

Joeli Marrero presently is part of a research program at will focused on target identification and drug development against the human pathogen Mycobacterium tuberculosis (Mt). She received her BS in Biology with cum laude honors from the University of Puerto Rico, Cayey. Her passion for research was cultivated during her undergraduate training as she participated in several undergraduate research programs, including the Leadership Alliance Summer Research Early Identification Program. She subsequently was awarded her Ph.D. in Molecular Biology and Microbiology from Tufts University School of Medicine after completing her thesis on prevention of antibiotic resistance transfer among pathogenic bacteria. Dr. Marrero recently completed her post-doctoral training at the Microbiology and Immunology Department at Weill Cornell Medical College. Her research employs genomics and metabolomics to gain a deeper understanding of Mt pathogenesis to guide the development of novel chemotherapies. Dr. Marrero is an honored recipient of the Leadership Alliance/ Schering-Plough Fellowship.
Keith Micoli  
*New York University School of Medicine*

Keith Micoli is the Postdoctoral Program Director and Ethics Program Coordinator at NYU School of Medicine, where he oversees the appointments and career development training for over 400 postdoctoral scholars working at the Medical Center. Keith received his BA in Biology from New College of Florida and his Ph.D. in Molecular and Cellular Pathology from the University of Alabama at Birmingham. He remained at UAB as a postdoc and Instructor until taking his position at NYU in 2008. While a postdoc at UAB, he served on the Board of Directors of the National Postdoctoral Association, and was Board Chair from 2004-2006. He has served on numerous national committees focused on the training and recruitment of young scientists, most recently on the National Research Council (NRC) Committee to Study the National Needs for Biomedical, Behavioral, and Clinical Research Personnel, which published its report in 2011.

Sharon Milgram  
*National Institutes of Health*

Dr. Sharon Milgram received a B.S. degree in physical therapy from Temple University in 1984 and a Ph.D. in cell biology from Emory University in 1991. She completed a postdoc at The Johns Hopkins University before joining the faculty at The University of North Carolina at Chapel Hill in 1994. Dr. Milgram's research focuses on cell signaling and protein trafficking in polarized cells. While at UNC, she founded and advised the UNC Office of Postdoctoral Services and served on the advisory committee of the Sigma Xi National Postdoc Survey. In 2007 Dr. Milgram joined the NIH Office of the Director as the Director of the Office of Intramural Training and Education. There she directs a trans-NIH office dedicated to the career advancement of over 5,000 trainees.

Michelle Nearon  
*Yale University*

Dr. Michelle Nearon received her B.S. and M.S. degrees in aerospace engineering from the Massachusetts Institute of Technology and Brooklyn Polytechnic University, respectively. After completing her master's degree she devoted approximately eight years to both the aerospace and automotive industries, beginning as a research engineer and ultimately becoming a general manager. She then returned to academia and received a Ph.D. from Stony Brook University in May 2000 in mechanical engineering. After graduating Dr. Nearon remained at Stony Brook University until June 2008 as an Assistant Professor in the Department of Mechanical Engineering. She also simultaneously served as the Director of Recruitment and Diversification for the University's College of Engineering and Applied Sciences. Dr. Nearon joined Yale University in July 2008 and is currently an Assistant Dean in the Graduate School and the Director of the Office for Diversity and Equal Opportunity. The Office is committed to promoting diversity and inclusivity and building a supportive graduate school community.

Christine O’Brien  
*National Academy of Science*

Chris O’Brien has worked at the Fellowships Office of the Policy and Global Affairs Division of the National Academies since the mid-1970’s. She has been involved in the administration of numerous fellowship programs, varying in level from predoctoral through postdoctoral and varying by funding source (public and private). Since 1979, Chris has worked primarily on the Ford Foundation Predoctoral, Dissertation, and Postdoctoral Fellowship Programs. The total of Ford Fellowship awards (administered by the National Academies) recently reached 2700. Chris and Joan Rosenthal were co-founders of the Fellowship Roundtable in 1995.
Joel Oppenheim

New York University School of Medicine

Dr. Joel D. Oppenheim is a Professor of Microbiology and presently serves as the Senior Associate Dean for Biomedical Sciences and Director of the Sackler Institute of Graduate Biomedical Sciences at NYU School of Medicine. In these positions he oversees all PhD (>300 students) and Postdoctoral (>400) trainees and Research Programs. He serves on the NYU School of Medicine's MD and MD/PhD. Admissions Committees and chairs the Ph.D. Admissions Committee. 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). In 2010 Dr. Oppenheim was the recipient of the AAAS (American Association of the Advancement of Sciences) Life Time Mentoring Award, one of the nations highest mentoring awards.

Damani Piggott

Johns Hopkins University

Dr. Damani Piggott is a Postdoctoral Fellow in the Division of Infectious Diseases and Department of Epidemiology at Johns Hopkins University. Dr. Piggott received his B.S. degree in Biology and Spanish from Morehouse College in 1997, and subsequently attained his Ph.D. in Immunology in 2004 and his M.D. degree in 2005 from Yale University. He completed a residency program in Internal Medicine and Pediatrics at Yale New Haven Hospital in 2009. His prior research activities have included the study of CD4 T cell immunity, HIV and syphilis infection within U.S. correctional facilities, and African trypanosomiasis in Mali. He has also served as a volunteer clinician for HIV and HIV/Tuberculosis co-infected patients in South Africa. His current research centers on understanding the epidemiologic and immunologic basis of the intersection of HIV and aging among Injection Drug Users. Dr. Piggott participated in the Leadership Alliance SR-EIP in 1994 and 1995 at Brown University.

William Rando

Yale University

William Rando has served as Assistant Dean at Yale’s Graduate School of Arts and Sciences and Director of the Graduate Teaching Center since 1998. His responsibilities include: oversight of the Graduate Teaching Center, which provides course support, training, and consultation to teaching fellows and faculty across the University; and oversight of the Associates in Teaching Program which funds undergraduate courses taught by graduate student/faculty member teams. Dean Rando earned his B.A. in English from Boston College and his Ph.D. from the Graduate School of Education and Social Policy at Northwestern University. In previous years, he has served on the faculty of Northeastern University in Boston, and he has directed the Academy for the Art of Teaching at Florida International University in Miami, FL.

Roosevelt Ratliff, Jr.

Claflin University

Roosevelt Ratliff, Jr., Professor and Assistant Vice President for Leadership Development, serves as the Director of the Leadership Center, UNCF and National Merit Scholarship Coordinator, and the Leadership Alliance Institutional Coordinator. He is the faculty sponsor for the National Society for Leadership and Success. He also serves on the Executive and Program Advisory Boards of the Alliance. He is the recipient of a Claflin University Presidential Citation, and a certificate presented by the state of South Carolina, House of Representatives for thirty years of distinguished service in higher education. Dr. Ratliff received the B.S. from Alabama State University, Montgomery, Alabama, the M.Ed. from Northeastern Oklahoma State University, the M.A. from the University of Tulsa, and the Ph.D. in Education with a distributive minor in History, Sociology, Anthropology, and Psychology from Stanford University, Stanford, California.
David Redman
Princeton University

David Redman is the Associate Dean for Academic Affairs at Princeton University, a position he has held since 1987. Prior to 1987, Dr. Redman was the Assistant Dean of the Graduate School (Budget and Financial Planning, Student Affairs and Housing, and Foreign Students) and Assistant Dean for Academic Affairs for the humanities and social sciences. Dr. Redman earned a B.A. in English from Williams College and a B.A. with honors in English from Worcester College at Oxford. He received his Ph.D. in English Literature from Yale University.

Nicole Restrick
Social Sciences Research Council

Nicole Restrick is the Assistant Director of the Abe Fellowship Program, the Japan Program, and the SSRC Korean Studies Dissertation Workshop, as well as the manager of the fellowships office. She is also a senior advisor the Latin American Security, Drugs and Democracy Fellowship. Prior to coming to the SSRC, she worked as an international programs officer at Ritsumeikan University in Kyoto, Japan. She received her master's degree in East Asian studies from Cornell University in 2000. She has been with the Council since 2006. In her position as fellowships manager, she has presented on fellowship programming as an effective tool to build capacity.

Alberto Roca
MinorityPostdoc.org

Dr. Alberto Roca was a UC President’s Postdoctoral Fellow at the University of California, Irvine. He is Peruvian-American from Houston, Texas; and, he received his Ph.D. in Molecular Biology from the University of Wisconsin-Madison. Funding from a Sloan Foundation grant allowed him to create the web portal MinorityPostdoc.org. He founded the SACNAS Postdoc Committee (2005) and co-founded the NPA Diversity Committee (2003). Dr. Roca has co-chaired many postdoc-related activities at SACNAS conferences and has been an invited speaker at ABRCMS and the Compact for Faculty Diversity’s annual Institute on Teaching and Mentoring. In recognition of his achievements, Dr. Roca has received the UC-Irvine Chancellor’s Living Our Values Award as well as the SACNAS Presidential Service Award. Currently, he has been working full-time as a diversity consultant helping graduate students transition to postdoc training and helping grads/postdocs transition to professional positions.

Elda Maria Roman
Stanford University

Elda María Román’s dissertation “Symbolic Wages and Identity Taxes: Upward Mobility and Middle Class Status in Chicana/o and Black Cultural Production” intertwines literary analysis with the history and sociology of class to examine texts depicting upward mobility and middle class status. Examining a broad range of media from the 1940s to the present, her work illuminates the narrative strategies cultural producers employ to capture immigrant relocation, home ownership, class ascension, and fears over cultural betrayal. A graduate of Brown University, Elda María received her B.A.s in English and Latin American Studies. She has received a Mellon-Mays Undergraduate fellowship, a Ford Pre-doctoral fellowship, the Beinecke Scholarship, a Mellon Dissertation Fellowship and the Ernesto Galarza Prize for Excellence in Graduate Student Research. She is currently a Graduate-Scholar-In-Residence at Stanford’s El Centro Chicano.
K. Rashid Rumah  
*Weill Cornell/Rockefeller/Sloan Kettering Tri-I*

Rashid Rumah is a fourth-year MD/PhD candidate at the Weill Cornell/Rockefeller/Sloan Kettering Tri-Institutional MD/PhD program in New York City. He received his B.S. degree in Biology from Stanford University in 2006, spent two years as laboratory technician at Stanford, and then continued on to pursue his doctoral degrees at the Tri-I in 2008. Rashid currently studies Multiple Sclerosis, with a particular interest in creating a new animal model for the disease.

Ulli K. Ryder  
*Brown University*

Ulli K. Ryder, Ph.D. is an award-winning educator, consultant, writer, editor and thinker. She facilitates discussions of gender, race, ethnicity, identity formation and media to foster diversity and create open dialogue. She earned her Ph.D. in American Studies & Ethnicity from the University of Southern California. She also holds a Master of Professional Writing (USC), a Master of Afro-American Studies (UCLA) and BA from Simmons College in English and African American Studies. Her expertise has been sought by institutions such as the University of Southern California, the University of California – Los Angeles, Loyola Marymount University, the University of Rhode Island, Rhode Island School of Design and Emerson College. She served as the Senior Editor for Publications at UCLA from 1999-2008. Dr. Ryder is currently a full time faculty member at Simmons College in History and Africana Studies, and has been a Visiting Scholar at Brown University since 2009.

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 M.D./Ph.D. 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 at Morgan State University. Dr. Scott-Johnson’s research seeks to examine the gender differences in psychosocial factors that impact health and wellness. She has been an active participant with the American Psychological Association Education and Science Directorates, Project Kaleidoscope/Faculty for the 21st Century, and the Association of Heads of Departments of Psychology (AHDP). She served on a number of review panels within the academic and funding agencies. Prior to her academic affiliations, Dr. Scott-Johnson worked in the food industry as a senior research scientist. Dr. Scott-Johnson held memberships in the Society for Neuroscience, Faculty for Undergraduate Neuroscience (FUN; councilor), the American Psychological Association, and the Association for Chemoreception Sciences (ACChemS). She earned a B.A. degree in Psychology and graduated magna cum laude from Spelman College in 1982, and an M.A. and Ph.D. in Psychology and Neuroscience from Princeton University.
Laurel Southard  
*Cornell University*  
Laurel Southard is the Director of Undergraduate Research and Outreach in Biology at Cornell University. She directs the Cornell Hughes Scholar Program, the Leadership Alliance Summer Program, and the Cornell Institute for Biology Teachers. She did her undergraduate work at the University of New Mexico in biology and art. Her research with Dr. Alexander Kisch of the University of New Mexico School of Medicine inspired a lifelong love of infectious disease and her recognition of the power of mentoring and faculty support. She studied parasitology and tropical medicine at Tulane University before moving to Cornell. After studying the importance of capsid proteins in viruses for many years, she joined the Office of Undergraduate Biology. In her current position, in addition to directing the programs above, she teaches and advises undergraduate biology majors.

Patrice Spitalnik  
*Columbia University*  
Patrice F. Spitalnik, M.D. is an Associate Professor of Clinical Pathology and Cell Biology at Columbia University College of Physicians and Surgeons. She is the Assistant Director of the M.D.-Ph.D Program and teaches general pathology and surgical pathology to second and third year medical students, as well as to M.D.-Ph.D students. She is the Section Director of the first year medical student histology course. She recently created a new course for M.D.-Ph.D students on “Responsible Conduct of Research” in addition to a new lecture series, “Grand Rounds for Graduate Students”. She is interested in medical education related to the interface between basic research and clinical medicine and the training of physician-scientists. Dr. Spitalnik earned her medical degree from the University of Chicago, and was awarded research fellowships from NIH and the University of Pennsylvania Medical School. She has also been awarded numerous honors for her career in teaching.

Howard Stone  
*Princeton University*  
Dr. Howard A. Stone is the Donald R. Dixon ’69 and Elizabeth W. Dixon Professor in Mechanical and Aerospace Engineering in the School of Engineering and Applied Science at Princeton University. Howard Stone received his B.S. from the UC Davis in 1982 and his Ph.D. in chemical engineering from the Caltech in 1988. He joined the Harvard faculty in 1989 after spending one year as a post-doctoral fellow at Cambridge University. In 2009 he moved to Princeton University. His research interests are in the motions of fluids, and his studies, including experiments and theory, span engineering, physics, chemistry, biology and applied mathematics. At Harvard Howard received the Joseph R. Levenson Memorial Award for undergraduate teaching and the Phi Beta Kappa Undergraduate Teaching Prize, while at Princeton in 2011 Howard received an Engineering Council Teaching Prize. He is a fellow of the American Physical Society and past chair of the Division of Fluid Dynamics. In 2008 he received the first G.K. Batchelor Prize in fluid dynamics, in 2009 he was elected to the National Academy of Engineering, and in 2011 he was elected to the American Academy of Arts and Sciences.

Brian Sullivan  
*Washington University of St. Louis*  
Mr. Sullivan is the Executive Director of Washington University’s Medical Scientist Training Program. He joined the program in 1994, and was recently named the Executive Director. Mr. Sullivan is a native of Saint Louis, Missouri. He earned an A.B. in Political Science and an M.A. in Spanish from Saint Louis University, and an M.B.A. from Washington University. He developed the Biomedical Research Apprenticeship Program (BioMedRAP) in 2001 to provide summer research opportunities for individuals from disadvantaged backgrounds. Mr. Sullivan is a member of the National Association of Advisors for the Health Professions, the National Associations of MD-PhD Programs, and the Graduate Research, Education and Training Group of the Association of American Medical Colleges (AAMC). He is a frequently invited to speak on physician-scientist training at colleges across the country.
Sheila Thomas  
*Harvard University*

Dr. Sheila Thomas is a faculty member in the Division of Medical Sciences PhD Programs and the Department of Medicine at Harvard Medical School and serves as Assistant Dean for Diversity and Minority Affairs for Harvard University’s Graduate School of Arts and Sciences. In her faculty and administrative roles, she teaches and mentors PhD and MD/PhD students as well as undergraduates. Dr. Thomas serves on various committees focused on different aspects of graduate education and is a member of the admissions committees for the Division of Medical Science’s PhD programs and Harvard Medical School’s MD/PhD program. She previously served as faculty co-director of the Summer Honors Undergraduate Research Program and is now faculty director of this program. In her new role as Assistant Dean, she oversees the diversity efforts for Harvard University’s 57 PhD programs and is committed to creating, identifying and implementing initiatives to diversify the Academy at all levels.

Aileen Walter  
*National Action Council for Minorities in Engineering*

Aileen Walter serves as Vice President of University Programs at the National Action Council on Minorities in Engineering (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.

Erica Williams  
*Spelman College*

Dr. Erica L. Williams is an Assistant Professor in the Department of Sociology and Anthropology at Spelman College. She completed her Ph.D. in Cultural and Social Anthropology from Stanford University in January 2010, in which she conducted sixteen months of ethnographic research on the sexual and cultural politics of the tourism industry in Salvador, Bahia, Brazil. She earned her M.A. in Cultural Anthropology from Stanford in 2005, and her B.A. in Anthropology and Africana Studies from New York University in 2002. While at NYU, she participated in two Leadership Alliance programs — the SR-EIP at Howard University, and the Alliance International Research for Minority Scholars (AIRMS) at University of the Western Cape in South Africa. At Spelman, her teaching interests include: Introduction to Anthropology, Cross-Cultural Perspectives on Gender and Sexuality, Sexual Economies, African Diaspora and the World, and the Anthropology of Globalization. Dr. Williams developed and co-directs Spelman’s new summer study abroad program in Salvador, Brazil, a five-week program that launched in the Summer of 2011 with nine Spelman students.

Cedric L. Williams  
*University of Virginia, National Science Foundation; Directorate of Biological Sciences*

Cedric Williams is a Full Professor in the Department of Psychology and Graduate Neuroscience program. He served as Director of Graduate Programs from 2002-2008, Academic Affairs Committee, Faculty Senate and Chairman of the Committee For Faculty Rules. Dr. Williams is currently on leave and serving as Program Director of the Neural Systems Cluster in the Directorate of Biological Sciences at the National Science Foundation. Dr. Williams received a BA degree in Psychology from North Carolina A & T State University, a PhD degree from Southern IL University, and completed postdoctoral training at the Center for the Neurobiology of Learning and Memory at the University of California-Irvine.
John Wilson
*Dillard University*

John E. Wilson is Co-Director of Dillard University Minority Health and Health Disparities Research Center and Professor of Biology. Prior to this appointment, Dr. Wilson served as the Dean of the Division of the Natural Sciences and Public Health. He also served as the associated dean in the School of Graduate Studies and Research at Meharry Medical College and associate professor in the Department of Anatomy and Physiology. Dr. Wilson's professional interests have focused on academic counseling and programs that encourage members of underrepresented minority groups to pursue careers in science. Dr. Wilson earned a B.S. in Biology from Clark College, a M.S. in Biology from Atlanta University, a PhD. in Cell Biology from Tulane University where he was a recipient of an NIH-Predoctoral Fellowship, and completed postdoctoral training at Stanford University and the Institute for Research on Learning where he was a Carnegie Fellow in Science Education.

LEADERSHIP ALLIANCE OUTCOMES: 20 YEARS IN THE MAKING

In 2012, the Leadership Alliance will be celebrating the 20th anniversary of the Summer Research Early Identification Program (SR-EIP)

- Mentoring of over 2000 undergraduates
- Producing nearly 200 PhDs
The Leadership Alliance Executive Office Staff

Medeva Ghee
Executive Director
Dr. Medeva Ghee, a graduate of North Carolina State University in 1991 with a bachelor's degree in zoology, earned her M.S. and Ph.D. in microbiology in 1997 from New York University School of Medicine. Her postdoctoral research was conducted with a team of CNRS researchers in Paris, France, where she employed biochemical and gene therapy technologies to investigate the impact of protein aggregation in Parkinson's disease. In 2005, Dr. Ghee worked with the William J. 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 as the Assistant Director in 2006 and since July 2008, has been Associate Director of the Leadership Alliance, and manager of the executive office staff. In July 2011, Dr. Ghee was appointed Executive Director of the Leadership Alliance.

Deborah Collins
Associate Director
Dr. Deborah Collins received her Ph.D. in educational research and policy analysis from Virginia Tech in 1984. While at Virginia Tech, she was Co-Director of the Vocational Education Evaluation in Virginia program, which later involved her in the development and funding of two national research projects through the National Center for Research in Vocational Education at Berkley/Virginia Tech. As Co-Project Director, her research focused on longitudinal assessment of vocational enrollment patterns on academic program achievement and postsecondary enrollments. At the same time, she co-directed a research project exploring the linkages between educational evaluation and planning in vocational education. Dr. Collins later collaborated with colleagues in the sociology department to create and administer Virginia Tech's Center for Survey Research, through which she worked with researchers and policy analysts across multiple disciplines to pursue and support funded research and regional public policy initiatives. In 1997, she came to Brown University as the Director of Research and Evaluation, leading two cycles of research activities for the Regional Educational Laboratory at Brown University (LAB). During her tenure at The Education Alliance, the Research and Evaluation division annually fielded up to 20 contract and grant initiatives, including multi-year national research awards through NSF, NIH and the U.S. Department of Education.

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 for disadvantaged children, especially 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
Executive Assistant/Project Coordinator
Maria DoVale is the Executive Assistant/Project Coordinator for the Leadership Alliance. In this capacity, Ms. DoVale is responsible for providing administrative support for the executive office to ensure the successful implementation of Alliance programs and activities. 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.
Welcome to the 2011 Leadership Alliance National Symposium

It gives me great pleasure to welcome you to the 2011 Leadership Alliance National Symposium! The theme of the symposium, The Future of Research: Developing Leaders in Academia and Beyond, is indicative of the Leadership Alliance’s longstanding commitment to providing comprehensive mentoring and training opportunities along the academic pathway that prepare students for competitive graduate training programs and professional research based careers.

Next year, we will celebrate the 20th anniversary of the Summer Research Early Identification Program (SR-EIP). This celebration acknowledges the steadfast commitment of the Leadership Alliance institutional leaders, coordinators, faculty and administrators whose collective efforts have contributed to the production of nearly 200 Doctoral Scholars (SR-EIP alumni who have obtained their PhDs or MD-PhDs) in a wide range of academic disciplines.

Each of you has the talent and potential to become leaders in your respective discipline and career choice. The symposium activities have been designed to assist you in this developmental process by providing you with additional skills building, mentoring and networking opportunities to help clarify and successfully navigate your academic and career trajectories. A hallmark of the symposium is the provision of role models, primarily comprised of Leadership Alliance alumni, at each successive stage of the academic pathway. This is a resourceful network from which you will be able to obtain guidance from a trusted source of scholars who have embarked upon similar pathways. Take advantage of each and every opportunity.

You are the future of research and I challenge you to assume the responsibility of becoming a leader true to your passion and research interests. The Leadership Alliance will remain committed to developing your talents and potential at this symposium and for many years to come!

Good luck and all the best for an enriching symposium experience!

On behalf of the Symposium Planning Committee, I am delighted to welcome you to the 2011 Leadership Alliance National Symposium. This year's theme, The Future of Research: Developing Leaders in Academia and Beyond, was chosen to focus the symposium activities on the critical skills and habits of mind that we hope will assist you in transitioning to the next level of your professional development. The Symposium Committee and the Leadership Alliance Executive Office Staff have organized a vast array of opportunities to engage you in thoughtful discussions with leaders from all sectors of research—academia, government, industry and non-profit organizations. We are all committed to supporting your development as a leader in your chosen research area and to fulfilling the mission of the Leadership Alliance to develop a more inclusive and diverse community of scholars.

We hope that you will take advantage of the many occasions during the symposium to ask questions and gain insights about effective strategies for navigating your career path. Do not be shy about sharing your unique experiences and ideas with other participants.

Vartan Gregorian, the founder of the Leadership Alliance and now the President of the Carnegie Corporation, nicely articulates the Alliance’s goals of advancing the progress of our country through developing leaders in academia and beyond: “For us, America is not just a past, it is also a future. It is not just an actuality—it is always a potentiality. America’s greatness lies in the fact that all its citizens, both new and old, have an opportunity to work for that potentiality, for its unfinished agenda.”

Best wishes for a productive and enjoyable weekend. Thank you for participating in the 2011 Leadership Alliance National Symposium.
The Leadership Alliance is a multi-institutional academic consortium of leading research and teaching colleges and universities. The mission of the Alliance is to develop underrepresented students into outstanding leaders and role models in academia, business and the public sector.