Mentoring + Commitment

Institutional Members
Brooklyn College
Brown University
Chaminade University of Honolulu
Claffin University
Columbia University
Cornell University
Dartmouth University
Dillard University
Harvard University
Heritage University
Howard University
Hunter College
Johns Hopkins University
Montana State University-Bozeman
Morehouse College
Morgan State University
New York University
Princeton University
Spelman College
Stanford University
Tougaloo College
Tufts University
University of Chicago
University of Colorado Boulder
University of Maryland, Baltimore County
University of Miami
University of Pennsylvania
University of Puerto Rico
University of South Florida
University of Virginia
Vanderbilt University
Washington University in St. Louis
Xavier University of Louisiana
Yale University

Associate Member
Novartis Institutes for BioMedical Research

Pathways to Success

The Leadership Alliance National Symposium
Hilton Stamford Hotel & Executive Meeting Center
Stamford, Connecticut
July 24–26, 2015
20th Anniversary
Welcome to the 2015 Leadership Alliance National Symposium

Greetings and welcome to the 2015 Leadership Alliance National Symposium (LANS)! This year marks the 20th anniversary of the conference and promises to be one of the most impacting and inspiring to date.

The LANS Planning Committee worked diligently over the past year to develop tailored programming which will enhance your personal and professional development, as well as inform your choices about graduate and professional education. Graduate students, Doctoral Scholars, faculty, administrators and other invited guests welcome the opportunity to discuss their trajectories and answer any questions about your own academic and professional interests.

At a time in our country with ever evolving cultural, social and political shifts, rising costs of higher education, and an uncertain job market, The Leadership Alliance remains committed to the training and development of underrepresented students who strive to become tomorrow’s leaders and role models in academia, business and the public sector. Realizing this vision requires the dedication and support of several individuals, many of which are present at this year’s symposium.

Please take advantage of the formal scheduled events as well as informal opportunities to interact with panelists, faculty, administrators, Doctoral Scholars, graduate students and other guests. It is also very important that you network with each other and take time to share your personal stories and professional aspirations. You may find yourselves training or working together during the next phases of your academic or professional careers so start building these relationships now.

In 2015, just as we declared in 1995, Mentoring + Commitment = Pathways to Success. Embrace the community that surrounds you, be persistent and commit to excellence, and success will surely follow.

Best wishes and make it memorable!
Headshots can be taken all day Saturday in Willow, located on the Lobby Level.
## Symposium At-A-Glance

<table>
<thead>
<tr>
<th>Time</th>
<th>Undergraduate Sessions (UG)</th>
<th>Graduate Student Sessions (GSS)</th>
<th>Doctoral Scholars (DS)</th>
<th>Administration, Coordinators, Faculty &amp; Guests</th>
</tr>
</thead>
<tbody>
<tr>
<td>11:00am-3:00pm</td>
<td>Registration</td>
<td></td>
<td></td>
<td>Day 1 - Orientation, Networking &amp; Alumni Career Panel</td>
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<tr>
<td>11:00am-3:00pm</td>
<td>PowerPoint Presentation</td>
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<tr>
<td>12:00pm-2:00pm</td>
<td>Lunch</td>
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<tr>
<td>3:00pm-6:15pm</td>
<td>Funding/Orientation/Networking Sessions by Discipline</td>
<td>Financial Literacy: (1) One Degree, Many Markets (2) Life After Graduation</td>
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<tr>
<td>5:30pm-6:30pm</td>
<td>PowerPoint Presentation</td>
<td>MOD-PhD, Engineering &amp; Physical Sciences</td>
<td>Moderator Training</td>
<td>Community Meeting Coordinators &amp; Faculty</td>
</tr>
<tr>
<td>7:00pm-9:15pm</td>
<td>Dinner/Welcome/Alumni Panel</td>
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<tr>
<td>9:30pm-10:30pm</td>
<td>PowerPoint Presentation</td>
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<td>Reception for Administrators, Coordinators, Doctoral Scholars, Faculty, Graduate Students, Guests</td>
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</tbody>
</table>

**Day 2 - Student Presentations & Panel Discussions**

<table>
<thead>
<tr>
<th>Time</th>
<th>Undergraduate Sessions (UG)</th>
<th>Graduate Student Sessions (GSS)</th>
<th>Doctoral Scholars (DS)</th>
<th>Administration, Coordinators, Faculty &amp; Guests</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:00am-2:25am</td>
<td>Registration</td>
<td></td>
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</tr>
<tr>
<td>7:30-9:00am</td>
<td>Poster Setup</td>
<td>Applied &amp; Basic Biosciences, MD-PhD, Engineering &amp; Physical Sciences</td>
<td>Network Etiquette: Big Help for Small Talk</td>
<td>Getting FYRE Started</td>
</tr>
<tr>
<td>9:15am-10:45am</td>
<td>Student Poster Presentations</td>
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<tr>
<td>11:15am-12:45am</td>
<td>Student Oral Presentations Session I - All Disciplines</td>
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<tr>
<td>1:00pm-2:30pm</td>
<td>(M&amp;N) Lunch Roundtable Discussions</td>
<td>The Graduate School Experience (PhD Program)</td>
<td>NOVARTIS presentation Mentoring Matters</td>
<td>Enhancing Research Training Beyond the Summer</td>
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<tr>
<td>2:45pm-4:15pm</td>
<td>Student Oral Presentations Session II - All Disciplines</td>
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<tr>
<td>4:45pm-6:00pm</td>
<td>Break/Snack/Professional Headshots*</td>
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<tr>
<td>6:00pm-6:45pm</td>
<td>Student Oral Presentations Session III - Basic &amp; Applied Biosciences, Humanities &amp; Social Sciences</td>
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<tr>
<td>7:00pm-9:00pm</td>
<td>Group Photos: L.A. Coordinators Meeting Initiative Cohort (IPERT), Scholar Invitation (SIPERT), Faculty/Doctoral Scholars/Free Time</td>
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<tr>
<td>9:30pm-12:00am</td>
<td>Welcome Party</td>
<td>Taught Sessions: All Disciplines</td>
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</table>

**Day 3 - Recruiting Fair & Next Steps**

<table>
<thead>
<tr>
<th>Time</th>
<th>Undergraduate Sessions (UG)</th>
<th>Graduate Student Sessions (GSS)</th>
<th>Doctoral Scholars (DS)</th>
<th>Administration, Coordinators, Faculty &amp; Guests</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00am-9:45am</td>
<td>Breakfast Panels: Graduate School Application &amp; Interview Process</td>
<td>Applied &amp; Basic Biosciences</td>
<td>Individual Development Plan (IDP)</td>
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<tr>
<td>9:00am-10:30am</td>
<td>Leadership Alliance Alumni Association Meeting</td>
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<tr>
<td>10:00am-11:00am</td>
<td>Undergraduate Senior, First and Second Year Graduate Students in STEM Graduate Research Fellowship Programs (GRFP)</td>
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<tr>
<td>10:00am-11:00am</td>
<td>Humanities &amp; Social Sciences Recruiting Fair</td>
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<tr>
<td>10:00am-12:00am</td>
<td>General Recruiting Fair</td>
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<tr>
<td>11:00am-12:00pm</td>
<td>AAAS Presentation Applying for the AAAS Science &amp; Technology Policy Fellowships</td>
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<tr>
<td>12:30pm-1:00pm</td>
<td>Complete Surveys/Closing Remarks/Adjournment</td>
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</tbody>
</table>

*Headshots can be taken all day Saturday in Willow, located on the Lobby Level.*
Agenda 2015

Friday, July 24

11:00am – 5:00pm
Leadership Alliance Conference Registration ................................................................. Mezzanine

11:00am – 3:00pm
PowerPoint Upload Session I ........................................................................................... Alder

12:00pm – 2:00pm
Informal Networking Lunch - Everyone ................................................................. Garden Pavilion

Undergraduates:
3:00pm – 4:15pm
Funding Your Education by Discipline

4:20pm – 5:15pm
Orientation/Networking Session by Discipline

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

Moderators: Joel Oppenheim, Professor Emeritus, Microbiology, 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 Your Education Panel:
Joel Oppenheim, Senior Associate Dean for Biomedical Sciences, New York University Langone Medical Center
Tiffani Fonseca, Fellowships Programs Coordinator, American Society for Microbiology
Sheila Thomas, Assistant Professor of Medicine, Assistant Dean of Diversity and Minority Affairs for GSAS and DMS, Harvard University

Humanities & Social Sciences ................................................................. Grand Ballroom II

Moderators: Travis Boyce, Associate Professor of Africana Studies and Social Science, University of Northern Colorado; Chinonye Nnakwe, Director, Graduate Diversity Initiatives, The University of Chicago

Funding Your Education Panel:
Saul Fisher, Executive Director for Grants and Academic Initiatives and Visiting Associate Professor, Mercy College
Leislie Godo-Solo, Associate Director, Institute for Recruitment of Teachers
Christine O’Brien, Ford Fellowship, National Academy of Sciences

Engineering & Physical Sciences ................................................................. Grand Ballroom III

Moderator: Don Brunson, Assistant Dean, Graduate School and Director, Enhancing Diversity in Graduate Education Program, Vanderbilt University; Ruth Schemmer, Assistant Dean for Career Development, Graduate School, Vanderbilt University

Funding Your Education Panel:
Don Brunson, Assistant Dean, Graduate School and Director, Enhancing Diversity in Graduate Education Program, Vanderbilt University
Denise Ellis, Sloan Program Director, National Action Council for Minorities in Engineering
Sara Xayarath Hernandez, Associate Dean for Inclusion & Student Engagement Graduate School, Cornell University/Institute for Broadening Participation
3:00pm – 5:15pm
(New) Financial Literacy................................................................. Glen
Graduate Students and Doctoral Scholars
Moderator: Elizabeth Murphy, Assistant Director, Office of Financial Aid, Brown University

5:30pm – 6:30pm
Leadership Alliance Community Meeting................................. Grove

5:30pm – 6:30pm
Moderators’ Training......................................................................... The Glen
Moderator: Jabbar Bennett, Associate Dean, Graduate School, Division of Biology and Medicine, Brown University

5:30pm – 6:30pm
Power Point Upload Session II......................................................... Alder

Doors open at 6:30pm for dinner

7:00pm – 9:15pm
Welcome, Dinner, Alumni Panel...................................................... Grand Ballroom
Moderator: Chinonye Nnakwe, Director of Graduate Diversity Recruitment, University of Chicago
Panelists:
Vanessa Toney Bobb, Child, Adolescent & Adult Psychiatrist, New Alternatives for Children, Inc.
Cesar Perez, Regulatory Officer, Office of Compliance, Food & Drug Administration

9:30pm – 10:30pm
Reception......................................................................................... Grove I
Faculty, Coordinators, Doctoral Scholars, Graduate Students, and Guests

9:30pm – 10:30pm
Poster Setup.................................................................................. Garden Pavillion

Saturday, July 25

7:00am – 7:25am
Poster Setup.................................................................................. Garden Pavilion

7:30am – 9:00am
Getting FYRE Started Discussion .................................................. Grove
Leadership Alliance Coordinators & Faculty
Moderator: Medeva Ghee, Executive Director, The Leadership Alliance, Assistant Professor of the Practice of Behavioral and Social Sciences, Brown University
~ Concurrent Sessions for Undergraduates ~

7:30am – 9:00am
Undergraduate Breakfasts:

(New) Post-Baccalaureate Research Education Program (PREP)
Applied & Basic Biosciences, Engineering, Physical Science, & MD-PhD .........................Grand Ballroom I
Moderators: Nancy Schwartz, Professor and Associate Dean, University of Chicago; Arnaldo Diaz, Assistant Dean for Research Training Programs, University of Pennsylvania; Sheila Thomas, Assistant Professor of Medicine, Assistant Dean of Diversity and Minority Affairs for GSAS and DMS, Harvard University

(New) What is Digital Humanities and Why Should I Care?
Humanities & Social Sciences ............................................................... Grand Ballroom II
Moderators: Purdom Lindblad, Head of Graduate Programs at Scholars’ Lab, University of Virginia; Alex Gil, Digital Scholarship Coordinator, Humanities and History Division, Columbia University Libraries

(New) Gap Year Scholar Program (Novartis Institutes for Biomedical Research)
Applied & Basic Biosciences, Organic/Synthetic Chemistry, & MD-PhD .........................Grand Ballroom III
Moderator: Anastacia Berzat, Scientific Program Manager, Office of Education, Diversity & Inclusion, Novartis Institutes for BioMedical Research

7:30am – 9:00am
(New) Big Help for Small Talk .............................................................. Elm
Graduate Students & Doctoral Scholars Breakfast
Moderator: Ruth Schemmer, Assistant Dean for Career Development, Graduate School, Vanderbilt University

8:30am – 6:00pm
Professional Headshots ........................................................................ Willow

9:00am – 5:00pm
Leadership Alliance Conference Registration ..................................................... Mezzanine

9:15am – 10:45am
Student Poster Presentations ................................................................ Garden Pavilion

11:15am – 12:45pm
Student Oral Presentations ........................................................................... Garden Pavilion

Humanities & Social Sciences: Belltown, Cove I, Cove II, Waterside, Springdale I, Springdale II
Engineering & Physical Sciences: Westover, Glenbrook, High Ridge, Long Ridge

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

Concurrent Sessions for Undergraduates

Roundtable Discussion for Undergraduates Interested in the PhD: .........................Grand Ballroom I & II
The Graduate School Experience
Moderator: Karina Evora, M.Ed. Candidate, Peabody College at Vanderbilt University

Roundtable Discussion for Undergraduates Interested in the MD-PhD: .........................Grand Ballroom III
The Graduate School Experience
Moderator: Christopher Peete, Mental Health Professional, Youth Villages

(New) Mentoring Matters .............................................................................. Garden Pavilion
Doctoral Scholars, Administrators, Guests
Moderators: Anastacia Berzat, Scientific Program Manager, Office of Education, Diversity & Inclusion, Novartis Institutes for BioMedical Research; Amri Johnson, Head of Diversity & Inclusion, Novartis Institutes for BioMedical Research
IPERT: Enhancing Research Training Beyond the Summer ................................................................. Grove
Leadership Alliance Coordinators & Faculty
 Moderator: Medeva Ghee, Executive Director, The Leadership Alliance, Assistant Professor of the Practice of Behavioral and Social Sciences, Brown University

2:45pm – 4:15pm
Student Oral Presentations Session II
 Humanities & Social Sciences: Belltown, Cove I, Cove II, Waterside, Springdale I, Springdale II
 Engineering & Physical Sciences: Westover, Glenbrook

 (~ Break, 4:20 pm – 4:40 pm ~)

4:45pm – 6:00pm
Student Oral Presentations Session III
 Humanities & Social Sciences: Belltown, Cove I, Cove II, Waterside, Springdale I, Springdale II

4:00pm – 6:00pm
Exhibitors Set-up for Recruiting Fair ......................................................................................................................... Garden Pavilion

6:00pm – 6:45pm
Leadership Alliance Group Photos ........................................................................................................................... Lobby

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

7:00pm – 9:00pm
Dinner, Keynote Speaker ......................................................................................................................... Grand Ballroom
 Dr. Carlos Castillo-Chavez, Regents Professor, Joaquin Bustoz Jr. Professor of Mathematical Biology, and a Distinguished Sustainability Scientist at Arizona State University

9:30pm – 12:00am
Dance .............................................................................................................................................................................. Grove

Sunday, July 26

7:30am – 10:00am
Exhibitors Set-up for General Recruiting Fair ................................................................................................................ Garden Pavilion

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

Undergraduate Breakfast and Panels: The Graduate School Application
 Applied & Basic Biosciences ......................................................................................................................... Grand Ballroom I
 Moderator: Joel Oppenheim, Professor Emeritus, Microbiology, New York University Langone Medical Center
 Panelists:
 Joel Oppenheim, Professor Emeritus, Microbiology, 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
 Jabbar Bennett, Associate Dean, Graduate School, Division of Biology and Medicine, Brown University
MD-PhD .......................................................................................................................... Grand Ballroom II

Moderator: Brian Sullivan, Executive Director MSTP, MD-PhD Program, Washington University in St. Louis
Panelists:
Naoko Tanese, Associate Dean for Biomedical Sciences; Director of the Sackler Institute of Graduate Biomedical Sciences, New York University
Fred Gorelick, Professor of Medicine (Digestive Diseases) and of Cell Biology; Deputy Director, Yale M.D., Ph.D. Program

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

Moderator: Geneva Baxter, Associate Dean of Undergraduate Studies, Spelman College
Panelists:
Joseph Brown, Graduate Diversity Recruitment Officer, Stanford University
Travis Boyce, Associate Professor of Africana Studies and Social Science, University of Northern Colorado

Engineering & Physical Sciences ...................................................................................... Aspen

Moderator: Mark Hernandez, Professor in the Department of Civil, Environmental, and Architectural Engineering, University of Colorado Boulder
Panelist:
Don Brunson, Assistant Dean, Graduate School and Director, Enhancing Diversity in Graduate Education Program, Vanderbilt University
Mark Hernandez, Professor in the Department of Civil, Environmental, and Architectural Engineering, University of Colorado Boulder

8:00am – 9:45am
(New) Individual Development Plan ............................................................................ Elm
Graduate Student & Doctoral Scholar Breakfast
Moderator: Nancy Schwartz, Associate Dean for Postdoctoral Affairs and Co-director of the Office of Graduate Affairs, University of Chicago

10:00am – 11:00am
Leadership Alliance Alumni Association Meeting ............................................................ Elm

10:00am – 11:00am
Graduate Research Fellowship Programs (GRFP) .......................................................... Glen
(This session is for seniors, first and second year graduate students - STEM)
Moderator: David Stout, Visiting Researcher, Brown University and Assistant Professor, Department of Mechanical & Aerospace Engineering, California State University, Long Beach

10:00am – 11:00am
Humanities & Social Sciences Recruiting Fair ................................................................. Grove I

10:00am – 12:00pm
General Recruiting Fair ................................................................................................... Garden Pavilion

11:00am – 12:00pm
Applying for the AAAS Science & Technology Policy Fellowships .............................. Elm
Moderator: Chloe Poston, AAAS Science & Technology Policy Fellow, AAAS / National Science Foundation

12:00pm – 1:00pm
Fill out surveys, Closing Remarks, Adjournment ......................................................... Grand Ballroom I & II
Carlos Castillo-Chavez

Keynote Speaker

Carlos Castillo-Chavez is a Regents Professor, Joaquin Bustoz Jr. Professor of Mathematical Biology, and a Distinguished Sustainability Scientist at Arizona State University (ASU). His research program is at the interface of the mathematical and natural and social sciences with emphasis on (i) the role of dynamic social landscapes on disease dispersal; (ii) the role of environmental and social structures on the dynamics of addiction and disease evolution, and (iii) the dynamics of complex systems at the interphase of ecology, epidemiology and the social sciences. Castillo-Chavez or C-C has co-authored over two hundred publications, edited several volumes of research articles, and co-authored a textbook in Mathematical Biology in 2001 (second edition in 2012). He edited a volume (with Tom Banks) on the use of mathematical models in homeland security published in SIAM's Frontiers in Applied Mathematics Series (2003); co-edited volumes in the Series Contemporary Mathematics entitled “Mathematical Studies on Human Disease Dynamics: Emerging Paradigms and Challenges” (American Mathematical Society, 2006) and Mathematical and Statistical Estimation Approaches in Epidemiology (Springer-Verlag, 2009) highlighting his interests in the applications of mathematics in emerging and re-emerging diseases. C-C is a member of the Santa Fe Institute’s external faculty, adjunct professor at Cornell University, and contributor, as a member of the Steering Committee of the “Committee for the Review of the Evaluation Data on the Effectiveness of NSF-Supported and Commercially Generated Mathematics Curriculum Materials,” to a 2004 NRC report. The CBMS workshop “Mathematical Epidemiology with Applications” lectures delivered by C. Castillo-Chavez and F. Brauer in 2011 have been published by SIAM in 2013. C-C is the founding director of the Simon A Levin Mathematical, Computational and Modeling Sciences Center and the graduate field in applied mathematics in the life and social sciences or AMLSS at ASU (07-01-2008). The AMLSS PhD degree has graduated 23 students, 8 women and 16 students who are members of underrepresented groups—14 Latinos/as and two African American. C-C is also the Executive Director of the Mathematical and Theoretical Biology Institute or MTBI, established by C-C in 1996, recognized with a Presidential Award for Excellence in Science, Mathematics, and Engineering Mentoring in 2011, and The Institute for Strengthening the Understanding of Mathematics and Science or SUMS, recognized with a Presidential Award for Excellence in Science, Mathematics, and Engineering Mentoring in 2002. MTBI was also recognized as a “Mathematics Program that Makes a Difference” by the American Mathematical Society in 2007. Castillo-Chavez’ efforts resulted in the establishment of the David Blackwell and Richard Tapia Distinguished Lecture Series in 2000 and the co-establishment of the David
Blackwell and Richard Tapia Award two years later with David Eisenbud. C-C spent 18 years at Cornell University (1985-2003) in the department of Biological Statistics and Computational Biology (BSCB) and over his last few years with a joint appointment in Theoretical and Applied Mechanics (TAM). C-C’s recognitions include two White House Awards: Presidential Faculty Fellowship Award in 1992 and a Presidential Award for Excellence in Science, Mathematics and Engineering Mentoring in 1997; the 2002 Society for the Advancement of Chicanos and Native Americans in Science (SACNAS) Distinguished Scientist Award; and the 2003 Richard Tapia Award. C-C is the 12th recipient of the 12th American Mathematical Society Distinguished Public Service Award (01-14-2010). In addition, Castillo-Chavez held a Stanislaw M. Ulam Distinguished Scholar position at the Center for Nonlinear Studies (CNLS) in Los Alamos National Laboratory in 2003. He was named honorary professor at Xi’an Jiaotong University in China (2004) and honorary professor at the School of Public Health, East Tennessee State University (2010). He has held a VIV appointments at Institute for Mathematics and its Applications or IMA (1998), a Cátedra Patrimonial, Instituto de Investigaciones en Matemáticas Aplicadas y Sistemas (IIMAS), Universidad Nacional Autónoma de México (1998-1999), and visiting professorships at the Isaac Newton Institute for Mathematical Sciences, Cambridge, England (2003), the Harvard School of Public Health (2012) and an Martin Luther King Jr. Professor at MIT (2012-2013); was in residence at the Poincare Institute in the spring of 2013. He has been elected fellow of the American Association for the Advancement of Science (AAAS), the Society for Industrial and Applied Mathematics, the American College of Epidemiology and Founding Fellow of the American Mathematical Society (11-01-2012). C-C is the recipient of the 2007 AAAS Mentor award; has had 34 PhD students (including 17 US Latinos and 13 women); has mentored 25 postdoctoral researchers; and co- mentored over 200 undergraduates in research projects. C-C past committee memberships include: the Arizona Governor’s P-20 Council’s Mathematics Alignment Team in 2008-09; the advisory boards of the Statistical and Applied Mathematics Sciences Institute (SAMSI), Banff’s International Research Station (BIRS), and the National Institute for Mathematical and Biological Synthesis (NIMBioS); co-director of the National Alliance for Doctoral Studies in the Mathematical Sciences Alliance (2010-2012). He has been appointed (2013) Director of STEM Programs for Underrepresented Minorities, ASU, a position that supports STEM synergistic activities that increase access, excellence and impact at the four ASU campuses. He is a member of the National Research Council’s Board of Higher Education and Workforce or BHEW (2009-2015); serves in President Obama’s Committee on the National Medal of Science (2010-2015). He is the 17th recipient of the SIAM Prize for Distinguished Service to the Profession, which will be awarded in 2015 in Beijing, China.
Oral Presentations by Name

Jonuelle Acosta................................. 12:30 PM, Elm I
Presentation Title: Should I Stay or Should I Go: Screening for Regulators of Mitochondrial Motility
Research Mentor: Thomas Schwarz
Research Institution: Harvard University, Division of Medical Sciences
Home Institution: Purdue University
Co-Authors: Thomas Schwarz and Stephen Raiker, Harvard Medical School
BB

Philip Adejumo................................. 11:15 AM, Glen II
Presentation Title: Application of Pattern-Mixture Models for Missing Data in Longitudinal Studies
Research Mentor: Donald Hedeker
Research Institution: University of Chicago
Home Institution: University of Maryland, Baltimore County
Co-Authors: Donald Hedeker, University of Chicago
AB

Ruka Aderogba ............................... 4:45 PM, Aspen II
Presentation Title: Screening for Genetic Suppressors of a C. elegans Model of ALS
Research Mentor: Anne C. Hart
Research Institution: Brown University
Home Institution: Hunter College
Co-Authors: Anne C. Hart, Melissa Walsh and Animesh Mahapatra, Brown University
BB

Gabrielle Akcelik ............................. 3:30 PM, Glen III
Presentation Title: qPCR Validation of Asthma-Associated Genes Differentially Expressed in Airway Smooth Muscle Cells in Response to IL-13 and IL-17
Research Mentor: Carole Ober
Research Institution: University of Chicago
Home Institution: Brooklyn College CUNY
Co-Authors: Carole Ober and Emma Thompson, University of Chicago
BB

Kemi Akinnola................................. 3:00 PM, High Ridge
Presentation Title: Generation of Lin28 Human Embryonic Stem Cell Reporter Line Using CRISPR Technique
Research Mentor: Jihan Osborne
Research Institution: Harvard University, Division of Medical Sciences
Home Institution: University of Maryland, Baltimore County
Co-Authors: Jihan Osborne and George Daley, Harvard Medical School
AB

Jackson Allen.................................... 5:30 PM, Glen I
Presentation Title: Modeling Secondary AML Through In vitro Characterizations of Combined IDH and JAK-STAT Activation Mutations
Research Mentor: Sophie McKenney
Research Institution: Weill Cornell Medical College
Home Institution: Harvard University
Co-Authors: Anna Sophia McKenney and Ross Levine, Weill Cornell Medical College
AB

Ouma Amadou ................................. 11:45 AM, Belltown
Presentation Title: Constructing (Black) Girlhood: Assimilation, Americanization, or Ambivalence
Research Mentor: Judith Miller
Research Institution: New York University
Home Institution: Iowa State University
Co-Authors: Judith Miller, New York University
HU

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
Roy Anderson .......................... 11:15 AM, Westover
Presentation Title: Analyzing the Mechanical Properties of Three Polymer Based Vascular Grafts
Research Mentor: Wei Tan
Research Institution: University of Colorado Boulder
Home Institution: University of Maryland, Baltimore County
Co-Authors: Wei Tan, University of Colorado Boulder
EN

Felipe Anguiano .......................... 12:00 PM, Elm II
Presentation Title: Suppressor Analysis of Cold Sensitive Mutations in the ATPase Prp43p
Research Mentor: Jonathan Staley
Research Institution: University of Chicago
Home Institution: Heritage University
Co-Authors: Jonathan P. Staley and Klaus H. Nielsen, University of Chicago
BB

Chiamaka Ani .......................... 3:15 PM, Elm II
Presentation Title: The Role of Stat6 in Altering the Microbiota During Helminth Infection
Research Mentor: P’ng Loke
Research Institution: New York University
Home Institution: University of Georgia
Co-Authors: P’ng Loke, Rowann Bowcutt and Mei San Tang, New York University Sackler Institute
BB

Kiana Annunziata ....................... 12:30 PM, Aspen II
Presentation Title: Roles of Ubiquitination and Deubiquitination in the Regulation of the DNA Damage Recognition Factor XPC
Research Mentor: Feng Gong
Research Institution: University of Miami
Home Institution: Chaminade University of Honolulu
Co-Authors: Feng Gong, University of Miami
BB

Diana Aponte Colon ..................... 12:15 PM, Glen III
Presentation Title: Role of Epigenetic Proteins in Maintaining Programs of Endothelial Cell Gene Expression Under Basal Conditions
Research Mentor: Jorge Plutzky
Research Institution: Harvard University, Division of Medical Sciences
Home Institution: UPR-Rio Piedras
Co-Authors: Jorge Plutzky and Hong Wang, Harvard Medical School
BB

Denise Aquino .......................... 5:00 PM, Glen II
Presentation Title: Targeting the Cancer Stem Cell Population in Pancreatic Ductal Adenocarcinoma with BET and MEK Inhibitors
Research Mentor: Marty Mayo
Research Institution: University of Virginia, School of Medicine
Home Institution: Pacific University
Co-Authors: Sheena Clift and Marty Mayo, University of Virginia, School of Medicine
AB

Diana Arroyo ............................ 4:45 PM, Long Ridge
Presentation Title: Counting Gonadotropin-Releasing Hormone Neurons in the Brains of Different Mouse Strains
Research Mentor: Pei-San Tsai
Research Institution: University of Colorado Boulder
Home Institution: Arizona State University
Co-Authors: Scott Kavanaugh, Samantha Bonelli and Pei-San Tsai, University of Colorado Boulder
BB

Rebecca Arteaga ......................... 11:15 AM, Elm I
Presentation Title: Understanding the Amino Acid Requirements of a Simple Transmembrane Oncoprotein
Research Mentor: Daniel DiMaio
Research Institution: Yale University
Home Institution: Columbia University
Co-Authors: Erin Heim and Dan DiMaio, Yale University
BB

Sierra Atwater .......................... 3:00 PM, Glen III
Presentation Title: Influence of Substrate Stiffness on Cardiomyocyte Behavior
Research Mentor: Leslie Leinwand
Research Institution: University of Colorado Boulder
Home Institution: University of North Carolina Chapel Hill
Co-Authors: Leslie Leinwand and Maureen Bjerke, University of Colorado Boulder
BB

Valeria Aucapina ....................... 11:45 AM, Glenbrook
Presentation Title: Growth of Nanorod Arrays with Controlled Geometries
Research Mentor: Chinedum Osuji
Research Institution: Yale University
Home Institution: City College of New York
Co-Authors: Chinedum O. Osuji, Manesh Gopinadhan and Youngwoo Choo, Yale University
EN
Oluwatomiwa Awobayiku ............4:45 PM, Aspen I
Presentation Title: The Role of Focal Adhesion Kinase (FAK) in Pancreatic Cancer
Research Mentor: Ravi Salgia
Research Institution: University of Chicago
Home Institution: Indiana University-Bloomington
Co-Authors: Rajani Kanteti and Ravi Salgia, University of Chicago
AB

Marcos Ayala Rivera .................... 12:00 PM, Glen I
Presentation Title: Characterizing the Molecular Mechanisms of Diabetes by Using CRISPRs/CAS9
Research Mentor: Fabian Cardenas
Research Institution: University of Pennsylvania
Home Institution: UPR-Rio Piedras
Co-Authors: Fabian Cardenas and Paul Gadue, University of Pennsylvania
BB

Nicolas Balbi ............................. 5:15 PM, Glen I
Presentation Title: Ultrasound Molecular Imaging for the Quantification of Endothelial Cell Receptor Expression During Tumor Angiogenesis
Research Mentor: Nicolas Balbi
Research Institution: New York University Sackler Institute
Home Institution: Rutgers University
Co-Authors: Daniel Turnbull, Orlando Aristizabal and Kerryanne Winters, New York University Sackler Institute
BB

Andrea Baltazar .......................... 3:30 PM, Cove I
Presentation Title: Personality and Demographic Characteristics of Dropouts in a Longitudinal Study
Research Mentor: Thomas Oltmanns
Research Institution: Washington University in St. Louis
Home Institution: University of Texas at El Paso
Co-Authors: Thomas Oltmanns and Michael Boudreaux, Washington University in St. Louis
SS

Gabriela Barrios ......................... 11:15 AM, Cove I
Presentation Title: Varying Narratives: Traumatic Memory and Subversion in Nellie Campobello’s Cartucho
Research Mentor: Karen Benezra
Research Institution: Columbia University
Home Institution: Rice University
Co-Authors: Karen Benezra, Columbia University
HU

Tim Barry ...........................................5:00 PM, Elm II
Presentation Title: Novel Suppressor Inhibits G-protein Coupled Receptor Signaling in Serotonergic Neurons
Research Mentor: Niels Ringstad
Research Institution: New York University Sackler Institute
Home Institution: University of North Carolina Chapel Hill
Co-Authors: Niels Ringstad, New York University Sackler Institute
BB

Hannah Basta .............................. 4:45 PM, Waterside
Presentation Title: Julia’s Nuptials: Free, Freed, and Slave Marriage in Late Fifth-Century Roman Law
Research Mentor: Campbell Grey
Research Institution: University of Pennsylvania Arts & Sciences
Home Institution: Georgia State University
Co-Authors: Campbell Grey, University of Pennsylvania
HU

Victor Bayona ............................ 5:00 PM, Glen III
Presentation Title: Mediation of Chemoresistance by ALOX5 in Acute Myeloid Leukemia
Research Mentor: Alec Stranahan
Research Institution: Weill Cornell Medical College
Home Institution: Kettering College of Medical Arts
Co-Authors: Alec Stranahan, Weill Cornell Medical College; Christopher Park, Memorial Sloan Kettering Cancer Center
BB

Pineal Bekere .............................. 11:45 AM, Aspen II
Presentation Title: The Role of K63-Linked Ubiquitination in Telomere Cohesion
Research Mentor: Susan Smith
Research Institution: New York University Sackler Institute
Home Institution: Millersville University
Co-Authors: Susan Smith and Ekta Tripathi, New York University Sackler Institute
BB

Ezekiel Bello .............................. 2:45 PM, Aspen I
Presentation Title: Entry Coreceptor use by SIV from Mustached Monkey, the Ancestor of HIV-1
Research Mentor: Ronald Collman
Research Institution: University of Pennsylvania
Home Institution: Florida A&M University
Co-Authors: Katherine S. Wetzel, Sarah T. Elliott and Ronald G. Collman, University of Pennsylvania
AB
Clair Beltran..................4:45 PM, Cove I
Presentation Title: Fields of Difference: Differences in Usage and Perception of Urban Park Spaces
Research Mentor: Van Tran
Research Institution: Columbia University
Home Institution: Middlebury College
Co-Authors: Van Tran, Devon Wade and Brittany Fox, Columbia University

Itza Beltran............... 12:00 PM, Glenbrook
Presentation Title: The Effect of Vacuum Level and Water Charge on the Performance of Ultra-Thin Thermal Ground Planes
Research Mentor: Ronggui Yang
Research Institution: University of Colorado Boulder
Home Institution: University of Central Florida
Co-Authors: Ronggui Yang and Shanshan Xu, University of Colorado Boulder

Amanda Bennett ...........5:15 PM, Waterside
Presentation Title: Body Politics: Examining African American Social Invisibility Through Slave Burial Grounds and the Pre-Texts Reading Program
Research Mentor: Doris Sommer
Research Institution: Harvard University
Home Institution: University of Alabama-Tuscaloosa
Co-Authors: Doris Sommer and Lisa Crossman, Harvard University

Kiara Berrios ..............3:45 PM, Glen II
Presentation Title: eNOS-derived Nitric Oxide Regulates Lipid Metabolites in Restricted Diet
Research Mentor: Harry Ischiropoulos
Research Institution: University of Pennsylvania
Home Institution: UP-Rio Piedras
Co-Authors: Harry Ischiropoulos, University of Pennsylvania; Margarita Tenopoulou and Paschalis-Thomas Doulias, Children's Hospital of Philadelphia

Carla Bezjian......... 12:15 PM, Westover
Presentation Title: Synthesis and Study of Bipyridal Troger's Base Complexes
Research Mentor: Jeffrey Winkler
Research Institution: University of Pennsylvania
Home Institution: CSU Los Angeles
Co-Authors: Jeffrey Winkler, Jake Nagy and Katherine Crocker, University of Pennsylvania

Noah Bloch.................12:15 PM, Aspen I
Presentation Title: Regulation of RAG2 Protein in Response to DNA Damage
Research Mentor: Craig Bassing
Research Institution: University of Pennsylvania
Home Institution: Haverford College
Co-Authors: Megan Fisher and Craig Bassing, University of Pennsylvania

Jeffrey Boakye........... 5:45 PM, Glen III
Presentation Title: Anticancer Activity of Novel DCLK1 Inhibitors in Neuroblastoma Cells
Research Mentor: Rani George
Research Institution: Harvard University, Division of Medical Sciences
Home Institution: Philander Smith College
Co-Authors: Nathan Moore and Rani George, Harvard Medical School

Ann Brasacchio ..........12:15 PM, Glenbrook
Presentation Title: Suzuki-Miyaura Cross-Coupling of Aryl Sulfamates with Aryl Boronic Acids using Nickel Catalysts
Research Mentor: Nilay Hazari
Research Institution: Yale University
Home Institution: Wheaton College
Co-Authors: Nilay Hazari and Megan Mohadjer Beromi, Yale University

Evan Brooks ..................11:15 AM, Alder
Presentation Title: Characterization of Tissue Mineralization Defects in Fin Rays of Zebrafish Mutants
Research Mentor: Pamela Yelick
Research Institution: Tufts University Graduate BioMedical Sciences
Home Institution: North Carolina State University
Co-Authors: John Lyons, Melissa LaBonty and Pamela Yelick, Tufts University School of Graduate Biomedical Sciences

Rachel Brown ............... 4:00 PM, Long Ridge
Presentation Title: Examining the Role of p300 in Endotoxin Tolerance in Monocytes
Research Mentor: Kathleen Sullivan
Research Institution: University of Pennsylvania
Home Institution: Morehead State University
Co-Authors: Kelly Maurer and Kathleen Sullivan, University of Pennsylvania
Patrick Bruck........................................5:15 PM, Aspen I
Presentation Title: Development of Neoantigen-Specific Vaccines for Pancreatic Cancer
Research Mentor: Stephanie Dougan
Research Institution: Harvard University, Division of Medical Sciences
Home Institution: Creighton University
Co-Authors: Stephanie Dougan, Harvard Medical School
AB

Nikaela Bryan................................. 4:45 PM, Glen I
Presentation Title: Fluorinated Bromothymol Blue: A Cerenkov-Absorbing Molecular Probe for In-Vitro pH Measurement of Tumor Microenvironment
Research Mentor: Edward Delikatny
Research Institution: University of Pennsylvania
Home Institution: University of Maryland, Baltimore County
Co-Authors: Edward Delikatny, Alejandro Arroyo and Alexander Kachur, University of Pennsylvania
AB

David Bunn ...................................... 5:30 PM, Aspen I
Presentation Title: Nucleoside Analogues Activated by Adenosine Kinase for the Treatment of Primary Effusion Lymphoma and Multiple Myeloma
Research Mentor: Ethel Cesarman
Research Institution: Weill Cornell Medical College
Home Institution: SUNY at Albany
Co-Authors: Jouliana Sadek and Ethel Cesaram, Weill Cornell Medical College
AB

Lindsey Burgess ..............................11:30 AM, Cove II
Presentation Title: The Effects of Neo-Colonialism on Late 20th Century Drug Trafficking in Nigeria
Research Mentor: Keisha-Khan Perry
Research Institution: Brown University
Home Institution: Spelman College
Co-Authors: Keisha-Khan Perry, Brown University
HU

Stephany Caicedo............................. 2:45 PM, Alder
Presentation Title: Understanding the Interaction Between Anthrax Lethal Factor and MAP Kinase Kinase Substrates
Research Mentor: Ben Turk
Research Institution: Yale University
Home Institution: Rutgers University
Co-Authors: Allison Goldberg and Ben Turk, Yale University
BB

Ambar Cajigas Hernandez ............3:15 PM, Aspen I
Presentation Title: SIV Infection of Pigtail Macaque Monocytes-Derived Macrophages Induces Heme Oxygenase-1 Expression
Research Mentor: Dennis Kolson
Research Institution: University of Pennsylvania
Home Institution: UPR-Rio Piedras
Co-Authors: Alex J. Gill and Dennis L. Kolson, University of Pennsylvania
AB

Giovanni Calixte ......................... 3:00 PM, Glen I
Presentation Title: Chondrogenesis Deficiency in Matrilin-1 Knock-out Mice
Research Mentor: Qian Chen
Research Institution: Brown University
Home Institution: University of Miami
Co-Authors: Yun Gao, Yupeng Chen and Qian Chen, Brown University
AB

Evelyn Campbell ......................... 3:30 PM, Glen I
Presentation Title: The Influence of Interferon Stimulated Genes Ifi44 and Ifi27l2a on the Thermogenic Capacity of Brown Adipocytes
Research Mentor: Patrick Seale
Research Institution: University of Pennsylvania
Home Institution: Rider University
Co-Authors: Megan Kissig and Patrick Seale, University of Pennsylvania
AB

Gabriela Canales .........................11:30 AM, Glen I
Presentation Title: En’Cas’ing the Stress: Engineering a Human Cell Line Knockout of Heat Shock Response Coordinator Genes Using CRISPR Cas9 System
Research Mentor: Evgeny Nudler
Research Institution: New York University Sackler Institute Home Institution: University of Maryland, Baltimore County
Co-Authors: Bibhusita Pani and Evgeny Nudler, New York University Sackler Institute
BB
Stephanie Capsuto ..................... 5:00 PM, Westover
Presentation Title: The role of Cav 1.3 L-type Ca2+ Channels in Cocaine-Induced Activation of CREB. CaMKIIg Translocation to the Nucleus to Activate CREB
Research Mentor: Stephanie Capsuto
Research Institution: Weill Cornell Medical College
Home Institution: Smith College
Co-Authors: Arlene Martinez-Rivera and Anjali Rajadhyaksha, Weill Cornell Graduate School

Edgar Carlo ............................... 3:00 PM, Elm II
Presentation Title: Endothelial Cell Barrier Lost by Angiopoietin 2 Levels in Indirect Acute Lung Injury Induced by Sepsis and Hemorrhage in Lung, Kidney and Liver Tissues
Research Mentor: Joanne Lomas Neria
Research Institution: Brown University
Home Institution: UPR-Mayaguez
Co-Authors: Joanne Lomas-Neira and Yaping Chen, Brown University

Olivia Carpenter ................. 11:30 AM, Cove I
Presentation Title: (Re-)Examining Literacies: Native Authors of Early American Literature
Research Mentor: James Egan
Research Institution: Brown University
Home Institution: University of New Mexico
Co-Authors: Jim Egan, Brown University

Camilla Castro .............................. 3:45 PM, Aspen I
Presentation Title: Characterizing the Role of Herpes Simplex Virus Type 1 Protein Kinase Us3 in Regulating mRNA Translation
Research Mentor: Ian Mohr
Research Institution: New York University Sackler Institute
Home Institution: Florida Atlantic University
Co-Authors: Ian Mohr and Jessica Linderman, New York University Sackler Institute

Lauren Caton ................................. 3:30 PM, Glen II
Presentation Title: Predictors of Weight Loss Magnitude in Johns Hopkins Weight Management Center Patients
Research Mentor: Larry Cheskin
Research Institution: Johns Hopkins University
Home Institution: University of Texas at Austin
Co-Authors: Lawrence Cheskin, Ian Yarett and Leslie Redmond, Johns Hopkins University

Ashley Chontos ...................... 11:45 AM, Long Ridge
Presentation Title: Simulations of Detectability of Extrasolar Planets for Future Space Mission WFIRST
Research Mentor: Bruce Macintosh
Research Institution: Stanford University
Home Institution: SUNY at Albany
Co-Authors: Bruce Macintosh, Stanford University

Erlyana Clarke ......................... 2:45 PM, Elm II
Presentation Title: Interleukin-25-Activated Innate Lymphoid Cells in Sepsis
Research Mentor: Alfred Ayala
Research Institution: Brown University
Home Institution: Brooklyn College CUNY
Co-Authors: Alfred Ayala and Tristen Chun, Brown University

Alexis Clavijo ......................... 11:30 AM, Glenbrook
Presentation Title: Development of Nanosphere Lithography for Nanomagnetism
Research Mentor: Sunxiang Huang
Research Institution: University of Miami
Home Institution: Rutgers University
Co-Authors: Sunxiang Huang, University of Miami

Courtney Cooper ....................... 2:45 PM, Cove I
Presentation Title: The Power of Social Class in Relationship Outlook
Research Mentor: Hazel Rose Markus
Research Institution: Stanford University
Home Institution: Hampton University
Co-Authors: Hazel Rose Markus and Rebecca Carey, Stanford University
Luis Cortina .......................... 3:15 PM, Elm I
Presentation Title: Fatty Acid Oxidation Regulates Metabolic Adaptation to Low Glucose in Primary Human T-Cells
Research Mentor: James Riley
Research Institution: University of Pennsylvania
Home Institution: Johns Hopkins University
Co-Authors: James Riley and Christopher Ecker, University of Pennsylvania
AB

Juliana Cruz Martinez ......... 4:45 PM, Springdale I
Presentation Title: Allophones in the Parallel Shift of /uw/ and /ow/ in the Philadelphia Dialect
Research Mentor: Meredith Tamminga
Research Institution: University of Pennsylvania Arts & Sciences
Home Institution: UPR-Rio Piedras
Co-Authors: Meredith Tamminga, University of Pennsylvania
HU

Shemiah Curry .........................5:15 PM, Cove I
Presentation Title: School Choice in Gentrifying Neighborhoods
Research Mentor: Dr. Micere Keels
Research Institution: University of Chicago
Home Institution: Bennett College
Co-Authors: Micere Keels, University of Chicago
SS

Kiana Dash ......................... 4:00 PM, Waterside
Presentation Title: Effect of Emotional State on Self Control in the Presence of Appetitive Cues
Research Mentor: BJ Casey
Research Institution: Weill Cornell Medical College
Home Institution: Hampton University
Co-Authors: Michael Dreyfuss and BJ Casey, Weill Cornell Medical College
SS

Kelvin De Leon .........................3:45 PM, Waterside
Presentation Title: Ascending and Descending Alcohol Effects in Healthy Volunteers
Research Mentor: Kelvin De Leon
Research Institution: Brown University
Home Institution: Hunter College
Co-Authors: Mollie Monnig, Tara White and Adam Nitenson, Brown University
SS

Iliana De Santis ....................... 5:45 PM, Cove II
Presentation Title: The Expansion of Comida Chatarra: An Analysis on Diet Change in Mexico
Research Mentor: Miguel Centeno
Research Institution: Princeton University
Home Institution: Emory University
Co-Authors: Miguel Centeno, Princeton University
SS

Beverlin Del Rosario..................... 2:45 PM, Cove II
Presentation Title: The Relationship Between Sleep Disturbances and Emotion Dysregulation in Self-Harm Behavior
Research Mentor: Regina Miranda
Research Institution: Hunter College
Home Institution: Xavier University of Louisiana
Co-Authors: Regina Miranda, Hunter College
SS

Lester Dela Cruz ...................... 11:30 AM, Glen II
Presentation Title: Defining a Non-coding RNA Transcriptome: Applying Hidden Markov Model (HMM) to Define the Non-coding Areas of a Genome
Research Mentor: Robin Dowell
Research Institution: University of Colorado Boulder
Home Institution: UC Santa Barbara
Co-Authors: Robin Dowell and Joseph Azofiefa, University of Colorado Boulder
BB

Alissa DiMasi ......................... 12:15 PM, Elm II
Presentation Title: The Effects of miR-138 on Nicotine Consumption and Preference
Research Mentor: Marissa Ehringer
Research Institution: University of Colorado Boulder
Home Institution: Regis College
Co-Authors: Marissa Ehringer and Matthew Powers, University of Colorado Boulder
BB

Cesar Dominguez ...................... 5:00 PM, Aspen II
Presentation Title: Novel PPAR-Agonist Treatment of an Experimental Model of Sporadic Alzheimer’s Disease
Research Mentor: Suzanne de la Monte
Research Institution: Brown University
Home Institution: Williams College
Co-Authors: Suzanne de la Monte, Chetram Deochand and Lelia Noble, Brown University
BB
Patrick Donegan .......................... 3:15 PM, Glen III
Presentation Title: The Role of Smooth Muscle Cell Mineralocorticoid Receptor in Cardiac Aging and Atrial Fibrillation
Research Mentor: Iris Jaffe
Research Institution: Tufts University Graduate BioMedical Sciences
Home Institution: University of Notre Dame
Co-Authors: Jennifer DuPont and Iris Jaffe, Tufts University School of Graduate Biomedical Sciences

Emmanuella Egbonim ...................... 3:30 PM, Alder
Presentation Title: Optimization of PCR for Oxalobacter Formigenes Group 2
Research Mentor: Martin Blaser
Research Institution: New York University Sackler Institute
Home Institution: University of Texas at Austin
Co-Authors: Martin Blaser and Lama Nazzal, New York University Sackler Institute

Julie Dorland ............................. 4:45 PM, Glen III
Presentation Title: Radiation Modulates Inflammation and Immunity in Aged Trp53 Null Mammary Carcinogenesis
Research Mentor: Mary Helen Barcellos-Hoff
Research Institution: New York University
Home Institution: University of Texas at Austin
Co-Authors: Mary Helen Barcellos-Hoff, Haoxu Ouyang and Irineu Illa-Bochaca, New York University Sackler Institute

Linda Egbosiuba ......................... 3:45 PM, Glenbrook
Presentation Title: Determination of GCH1 Copy Number Variation in Field Samples from Nigeria
Research Mentor: Uchechi Ukaegbu
Research Institution: Weill Cornell Graduate School
Home Institution: University of Georgia
Co-Authors: Uchechi Ukaegbu and Kirk Deitsch, Weill Cornell Graduate School

Luis Duarte ............................... 4:00 PM, Westover
Presentation Title: Common Air Pollutants Impact Surface Proteins of Airborne Fungi and Pollens
Research Mentor: Mark Hernandez
Research Institution: University of Colorado Boulder
Home Institution: New Mexico State University
Co-Authors: Mark Hernandez and Odessa Gomez, University of Colorado Boulder

Hailey Egido-Betancourt ................. 3:30 PM, Belltown
Presentation Title: Neuroimaging and Negative Valence Conditioned Inhibition Studies of the Habenula
Research Mentor: Randall O’Reilly
Research Institution: University of Colorado Boulder
Home Institution: University of West Florida
Co-Authors: Randall O’Reilly and Jessica Mollick, University of Colorado Boulder

Tyler Dunbar .............................. 11:30 AM, High Ridge
Presentation Title: Carbon Dioxide Conversion Using Reduced Graphene Oxide as a Support for Single-atom Metal Catalysts
Research Mentor: Robert Hurt
Research Institution: Brown University
Home Institution: University of Wisconsin Madison
Co-Authors: Robert Hurt and Ruben Spitz, Brown University

Brandon Enriquez ....................... 11:45 AM, Waterside
Presentation Title: Who Should Help Underprepared Students? The Effects of Limiting Remediation to Two-Year Colleges
Research Mentor: Bridget Long
Research Institution: Harvard University
Home Institution: University of Maryland, Baltimore County
Co-Authors: Bridget Terry Long, Harvard University

Comfort Effi ............................. 11:45 AM, Glen III
Presentation Title: YY1 Deletion Controls Condensin, Cohesin, and PcG DNA Recruitment, But Not Their Expression Levels
Research Mentor: Michael Atchison
Research Institution: University of Pennsylvania
Home Institution: Cheyney University of Pennsylvania
Co-Authors: Michael Atchison and Arindam Basu, University of Pennsylvania

Melissa Espinosa ....................... 2:45 PM, Springdale II
Presentation Title: What Influences Public Opinion on Immigrants and Immigration Policies?
Research Mentor: Robert Shapiro
Research Institution: Columbia University
Home Institution: Saint Edward’s University
Co-Authors: Robert Y. Shapiro, Columbia University
Aja Evans ............................... 3:00 PM, Cove II
Presentation Title: Learning and Transfer of Sequential Task Control Policies
Research Mentor: David Badre
Research Institution: Brown University
Home Institution: New York University
Co-Authors: David Badre, Apoorva Bhandari and Theresa Desrochers, Brown University

Taylor Evans ............................. 5:45 PM, Waterside
Presentation Title: "We Are Here and We Will Not Be Silenced": Conflict, Resistance, and the Role of Transgender Women of Color during the Gay Liberation Movement, 1969-1974
Research Mentor: Hendrik Hartog
Research Institution: Princeton University
Home Institution: UC Berkeley
Co-Authors: Hendrik Hartog, Princeton University

Kelcee Everette .......................... 5:15 PM, Alder
Presentation Title: Uncovering Heterogeneity in the Motility of Breast Cancer Cells
Research Mentor: Pei-Hsun Wu
Research Institution: Johns Hopkins University
Home Institution: Harvard University
Co-Authors: Pei-Hsun Wu, Johns Hopkins University

Matthew Fairchild .......................11:45 AM, Cove II
Presentation Title: Civil War and Reconstruction Historiography: A Shift in Perspective
Research Mentor: Tera Hunter
Research Institution: Princeton University
Home Institution: Rutgers University
Co-Authors: Tera Hunter, Princeton University

Porfirio Fernandez ......................12:30 PM, Elm II
Presentation Title: Characterization of miRNA Expression Profile Modified by a-Conotoxin in Chronic Constriction Injury Rat Model
Research Mentor: Jacqueline Sagen
Research Institution: University of Miami
Home Institution: John Jay College of Criminal Justice CUNY
Co-Authors: P. Chen, S. Jergova and J. Sagen, University of Miami

Aerielle Ferreira .......................... 3:15 PM, Belltown
Presentation Title: The Role of Prison Based Substance Abuse Treatment Programs in Preventing Post-Incarceration Substance Use
Research Mentor: Emily Wang
Research Institution: Yale University
Home Institution: Chaminade University of Honolulu
Co-Authors: Jenerius Aminawung and Emily Wang, Yale University

Keisha Figueroa Colón .................. 3:45 PM, Alder
Presentation Title: Micro RNA-93 Targets IRF9 to Regulate Macrophage Polarization
Research Mentor: Brian Annex
Research Institution: University of Virginia, School of Medicine
Home Institution: UPR-Cayey
Co-Authors: Brian Annex, John Lye and Vijay Ganta, University of Virginia, School of Medicine

Gail Fletcher ............................. 5:00 PM, Belltown
Presentation Title: Culture or Cruelty? How Women's Rights Debates on Female Genital Cutting and Child Marriage Have Changed Over Time
Research Mentor: Eve Troutt Powell
Research Institution: University of Pennsylvania Arts & Sciences
Home Institution: Cornell University
Co-Authors: Eve Troutt Powell, University of Pennsylvania

Cassandra Flores-Montano ............ 5:45 PM, Belltown
Presentation Title: Esta Cafe: Brown Berets, Gender, and the State
Research Mentor: Maria Josefin Saldaña-Portillo
Research Institution: New York University
Home Institution: Wellesley College
Co-Authors: Maria Josefin Saldaña-Portillo, New York University

Kelly Fogelson ......................... 11:15 AM, Glen III
Presentation Title: The Role of Potential LXR Associated Factors Identified by Mass Spectrometry on LXR Mediated Gene Transcription
Research Mentor: Michael Garabedian
Research Institution: New York University Sackler Institute
Home Institution: University of Minnesota-Twin Cities
Co-Authors: Elina Shrestha, Sarah Leone and Michael Garabedian, New York University Sackler Institute
Celia Ford ................................. 3:30 PM, Cove II
Presentation Title: Status Judgments as a Function of the Interaction Between Facial Dominance and Social Context
Research Mentor: Jasmin Cloutier
Research Institution: University of Chicago
Home Institution: Brown University
Co-Authors: Jasmin Cloutier and Tianyi Li, University of Chicago

Philip Frasse ......................... 3:30 PM, Aspen II
Presentation Title: GlpQ- and Pce-Dependent Interactions Between Streptococcus pneumoniae and Haemophilus influenzae
Research Mentor: Jeffrey Weiser
Research Institution: New York University Sackler Institute
Home Institution: Rice University
Co-Authors: Tonia Zangari and Jeffrey Weiser, New York University Sackler Institute

Jenna Freund ............................. 5:45 PM, Glenbrook
Presentation Title: Elucidating Rab7 and Actomyosin Interactions in Schwann Cell Development and Myelination
Research Mentor: Carmen Melendez
Research Institution: Hunter College
Home Institution: Rowan University
Co-Authors: Carmen Melendez and Christopher Eyermann, Hunter College

Kelsey Gallant ............................ 5:30 PM, Glen III
Presentation Title: Determining the Mechanism of Resistance to Akt Inhibitors in Breast Cancer
Research Mentor: Emily Cohen
Research Institution: Harvard University, Division of Medical Sciences
Home Institution: Spelman College
Co-Authors: Emily Cohen, Rebecca Chin and Alex Toker, Harvard Medical School

Hector Galvez ............................ 5:45 PM, Alder
Presentation Title: Mitochondrial Mass and Function in Breast Cancer: Significance for Cancer Subtyping and Treatment
Research Mentor: Kay Macleod
Research Institution: University of Chicago
Home Institution: CSU San Marcos
Co-Authors: Kay Macleod, University of Chicago

Prenicia Gant ............................. 5:00 PM, High Ridge
Presentation Title: Determining the Effects of Mutant Miro1 in the Neurons of a New Transgenic Mouse Model In vivo
Research Mentor: Jordi Magrane
Research Institution: Weill Cornell Graduate School
Home Institution: Grambling State University
Co-Authors: Jordi Magrane, Weill Cornell Graduate School

Rolando Garza ............................. 12:15 PM, Elm I
Presentation Title: Phosphatidylinositol Phosphate Facilitates the TIPE:Pleckstrin Homology-Domain Protein-Protein Interaction
Research Mentor: Youhai Chen
Research Institution: University of Pennsylvania
Home Institution: University of Texas at San Antonio
Co-Authors: Youhai Chen, Terry Cathopoulis and Derek Johnson, University of Pennsylvania

Isaiah Gibson .............................. 5:30 PM, Waterside
Presentation Title: Just(us) and the Black Church: A Case Study of Social Justice in Harlem’s St. Luke AME Church
Research Mentor: Josef Sorett
Research Institution: Columbia University
Home Institution: Dickinson College
Co-Authors: Josef Sorett, Van Tran and Devon Wade, Columbia University

Nayib Gloria ............................... 5:15 PM, Westover
Presentation Title: Electrophysiological Responses to Decreased Contrast Sensitivity and Different Pattern Reversal Rates
Research Mentor: Jorge Bohorquez
Research Institution: University of Miami
Home Institution: Duke University
Co-Authors: Jorge Bohorquez, University of Miami

Jeremy Glover ............................. 5:30 PM, Belltown
Presentation Title: Blurred Understandings and Interpretations: A Queer Reading of Two Women in Chaucer’s Canterbury Tales
Research Mentor: Patricia Dailey
Research Institution: Columbia University
Home Institution: Bates College
Co-Authors: Patricia Dailey, Columbia University

HU
Katherine Gonzalez .......................... 3:45 PM, Elm I  
Presentation Title: The Effect of RAGE in the Immune Response to High Fat Feeding  
Research Mentor: Ann Marie Schmidt  
Research Institution: New York University  
Sackler Institute  
Home Institution: Florida Atlantic University  
Co-Authors: Evelyn Litwinoff and Ann Marie Schmidt, New York University Sackler Institute

Wisberty Gordian Velez ................... 5:45 PM, Elm II  
Presentation Title: In vitro Synaptogenesis in Micro-Tissue Engineered Neural Networks  
Research Mentor: D. Kacy Cullen  
Research Institution: University of Pennsylvania  
Home Institution: UPR-Mayaguez  
Co-Authors: D. Kacy Cullen, Dmitriy Petrov and Kritika Katiyar, University of Pennsylvania

Hamilton Green .......................... 3:45 PM, Glen I  
Presentation Title: Understanding the Role of the Metabolite Sensors YpdAB and YehUT in Uropathogenic Escherichia coli Adherence and Biofilm Formation  
Research Mentor: Allison Eberly  
Research Institution: Vanderbilt University  
Home Institution: Dillard University  
Co-Authors: Allison Eberly, Vanderbilt University; Stefan Behr, Ludwig-Maximillian University; Maria Hadjifrangiskou, Vanderbilt University; Kirsten Jung, Ludwig-Maximilians University

Ahmad Greene-Hayes............... 5:15 PM, Springdale II  
Presentation Title: Black Women's and Men's Legacies and Activism: Legal Discourse and Literary Interventions Against Sexual Violence, 1990-Present  
Research Mentor: Celia Naylor  
Research Institution: Columbia University  
Home Institution: Williams College  
Co-Authors: Celia Naylor, Columbia University

Patrick Griffin ......................... 12:00 PM, Aspen II  
Presentation Title: ZBTB24: A Novel Protein Linking Pericentromeric Heterochromatinization to Centromeric Instability  
Research Mentor: Mamta Tahilizni  
Research Institution: New York University  
Sackler Institute  
Home Institution: University of Georgia  
Co-Authors: Mamta Tahilizni and Amir Moarefi, New York University Sackler Institute

Anthony Guerrero ..................... 4:00 PM, High Ridge  
Presentation Title: Paclitaxel Effect on Nuclear Envelope Morphology in Different Ovarian Cancer Cell Lines  
Research Mentor: Xiang-Xi Xu  
Research Institution: University of Miami  
Home Institution: Connecticut College  
Co-Authors: Xiang-Xi Xu, Elizabeth R. Smith and Toni Yeasky, University of Miami

Andrea Guzman .......................... 3:30 PM, Elm I  
Presentation Title: Synthesis and Characterization of Thermally Sensitive Liposomes for Targeted Drug Delivery  
Research Mentor: Andrew Tsourkas  
Research Institution: University of Pennsylvania  
Home Institution: UPR-Rio Piedras  
Co-Authors: Andrew Tsourkas and Jessica F. Liu, University of Pennsylvania

Sara Haile .............................. 12:15 PM, Aspen II  
Presentation Title: The Mystery Proteins of SCCmec Type V  
Research Mentor: Phoebe Rice  
Research Institution: University of Chicago  
Home Institution: UC Santa Cruz  
Co-Authors: Phoebe A. Rice, University of Chicago

Amelia Hallworth ...................... 12:00 PM, Elm I  
Presentation Title: Characterizing Forkhead Binding Specificity  
Research Mentor: Amelia Hallworth  
Research Institution: Harvard University, Division of Medical Sciences  
Home Institution: University of Maryland, Baltimore County  
Co-Authors: Martha Bulyk and Julia Rogers, Harvard Medical School
Andrew Hart ........................... 3:15 PM, Alder
Presentation Title: Molecular Dissection of the Complement-like Pathway in Anopheles Mosquitoes
Research Mentor: Michael Povelones
Research Institution: University of Pennsylvania
Home Institution: Marshall University
Co-Authors: Michael Povelones and Letitia Thompson, University of Pennsylvania

Brandon Hart ....................... 2:45 PM, High Ridge
Presentation Title: The Effects of EphB2 and EphrinB2 Knockouts with CRISPR/Cas9 in Spermatogonial Stem Cell Maintenance
Research Mentor: Marco Scandel
Research Institution: Weill Cornell Medical College
Home Institution: Southern Nazarene University
Co-Authors: Marco Scandel, Weill Cornell Graduate School

Malik Hayes......................... 12:15 PM, Long Ridge
Presentation Title: Efforts Towards Maximum Performance Distributed Computation with Limited Power Budgets
Research Mentor: Henry Hoffmann
Research Institution: University of Chicago
Home Institution: Claflin University
Co-Authors: Henry Hoffmann, University of Chicago

Julia Heinze .......................... 3:30 PM, Aspen I
Presentation Title: Models for Herpes Simplex Virus Infection Using Human Embryonic Stem Cell Derived Neurons
Research Mentor: Angus Wilson
Research Institution: New York University Sackler Institute
Home Institution: Jacobs University Bremen
Co-Authors: Aldo Pouchet, Aram Modrek and Angus Wilson, New York University Sackler Institute

Mateo Hernandez ........................ 3:45 PM, Elm II
Presentation Title: Intracellular Vesicular Interactions During Salmonella Infection
Research Mentor: Amy Palmer
Research Institution: University of Colorado Boulder
Home Institution: University of South Florida
Co-Authors: Sarah McQuate and Amy Palmer, University of Colorado at Boulder

Andrea Hernández-Vega .............. 4:00 PM, Cove II
Presentation Title: The Association of Methamphetamine Abuse and Poor Cognitive Flexibility in a Sample of Gay and Bisexual Men
Research Mentor: Jeffrey Parsons
Research Institution: Hunter College
Home Institution: UPR-Ponce
Co-Authors: H. Jonathon Rendina and Jeffrey Parsons, Hunter College

Erin Hollander ....................... 5:30 PM, Long Ridge
Presentation Title: Tau Immunotherapy for Alzheimer’s Disease: Analyzing the Effects of Single and Multiple Epitope Vaccines on Astrocytes and Microglia
Research Mentor: Einar Sigurdsson
Research Institution: New York University Sackler Institute
Home Institution: University of Georgia
Co-Authors: Einar Sigurdsson, New York University Sackler Institute

Tabatha Holley .......................... 5:15 PM, Belltown
Presentation Title: Black Women Negotiating ‘Ratchet’ Politics in the Southern U.S.
Research Mentor: Keisha-Khan Perry
Research Institution: Brown University
Home Institution: Spelman College
Co-Authors: Keisha-Khan Perry, Brown University

JoVaun Holmes ....................... 5:45 PM, Springdale II
Presentation Title: African Modernism? Gauging the Intersection of Race, Modernist Art Historical Studies, and the Idea of Authenticity
Research Mentor: Cecile Fromont
Research Institution: University of Chicago
Home Institution: Brown University
Co-Authors: Cecile Fromont, University of Chicago
Kerwin Holmes Jr .......................... 5:00 PM, Waterside
Presentation Title: Popular Ethics: Southern Christians and Slave Theology, 1830-1861
Research Mentor: Alison Booth
Research Institution: University of Virginia
Home Institution: Morehouse College
Co-Authors: Alison Booth, University of Virginia - Education Sciences
HU

Aaron Hudson ................................. 5:45 PM, Glen I
Presentation Title: An Analysis of the Interaction Between Obesity and Measures Predicting Prostate Cancer-Free Survival
Research Mentor: Knashawn Morales
Research Institution: University of Pennsylvania
Home Institution: University of Illinois at Urbana-Champaign
Co-Authors: Knashawn Morales, University of Pennsylvania
AB

Jason Hughes ................................. 2:45 PM, Westover
Presentation Title: Changes in Metallic Glass Thin Film Microstructures upon Annealing in Supercooled Liquid Region
Research Mentor: Yanhui Liu
Research Institution: University of Illinois at Urbana-Champaign
Home Institution: University of Maryland, Baltimore County
Co-Authors: Jingbei Liu and Yanhui Liu, Yale University
EN

Felipe Huicochea ............................. 5:00 PM, Cove II
Presentation Title: Perceptions of Mexican Restaurants in Yelp Reviews
Research Mentor: Tomas Jimenez
Research Institution: Stanford University
Home Institution: UCLA
Co-Authors: Tomas Jimenez and Anna Boch, Stanford University
SS

Joanna Hurtado ................................. 12:30 PM, Alder
Presentation Title: Characterization of ER Stress Mediated ARPE Cell Death Triggered by Lipofuscin Bisretinoid A2E
Research Mentor: Marcelo Nociari
Research Institution: Weill Cornell Graduate School
Home Institution: CSU Northridge
Co-Authors: Marcelo Nociari, Weill Cornell Graduate School
BB

Oscar Hurtado ................................. 5:00 PM, Cove I
Presentation Title: Mission Gentrification: Finding Spatial Meaningfulness and Cultural Identity in San Francisco
Research Mentor: Ann Pellegrini
Research Institution: New York University
Home Institution: Williams College
Co-Authors: Ann Pellegrini, New York University
HU

Shermaine Hutchins ......................... 3:30 PM, Glenbrook
Presentation Title: Corroborating the Involvement of Polymerase Beta in Non-Homologous End Joining via DNA Basic Local Alignment Search Tool
Research Mentor: Sreerupa Ray
Research Institution: Yale University
Home Institution: Bowling Green State University
Co-Authors: Joann Sweasy, Sreerupa Ray and Alireza Senejani, Yale University
BB

Chibuokem Ikwuazom ......................... 5:30 PM, Elm I
Presentation Title: SSRIs Upregulate Expression of 5-HT1A Receptor mRNA in the Dentate Gyrus of Major Depression Disorder Patients
Research Mentor: Ciara Torres
Research Institution: Columbia University
Home Institution: SUNY at Albany
Co-Authors: Maura Boldrini and Cristina Rossino, New York State Psychiatric Institute
AB

Geena Ildefonso ............................... 12:00 PM, Glen II
Presentation Title: Mathematical Modeling of the NF-kB Signaling Pathway Using PySB
Research Mentor: Carlos Lopez
Research Institution: Vanderbilt University
Home Institution: University of Central Florida
Co-Authors: Carlos Lopez and Alex Lubbock, Vanderbilt University
AB

Arielle Irizarry ................................. 12:00 PM, Cove I
Presentation Title: Disassembling Logic With Historical Context and Feeling in 20th to 21st Century Literature
Research Mentor: Adrienne Brown
Research Institution: University of Chicago
Home Institution: Hunter College
Co-Authors: Adrienne Brown, University of Chicago
HU
Mauricio Isaac .......................... 2:45 PM, Glen I
Presentation Title: The Role of Lipid Phosphatase SHIP In Skeletal Development
Research Mentor: Olin Liang
Research Institution: Brown University
Home Institution: Santa Barbara City College
Co-Authors: Olin Liang, Brown University
AB

Ehiremen Iyoha ...................... 3:45 PM, High Ridge
Presentation Title: The Role of SDF1B in the Development of the Hypobronchial Artery in Zebrafish
Research Mentor: Holger Knaut
Research Institution: New York University Sackler Institute
Home Institution: University of Georgia
Co-Authors: Danielle Nagelberg and Holger Knaut, New York University Sackler Institute
BB

Jihane Jadi ......................... 5:30 PM, Glenbrook
Presentation Title: Labeling Autophagosomes with Fluorescent Markers to Investigate Autophagy in Neurons of C. Elegans
Research Mentor: Sarah Hill
Research Institution: Yale University
Home Institution: University of North Carolina Chapel Hill
Co-Authors: Sarah Hill and Daniel Colon Ramos, Yale University
BB

Mahmoud Jalloh ...................... 3:00 PM, Springdale II
Presentation Title: Reflections on Physics: Philosophy, the Limits of Reason, and the Human Perspective
Research Mentor: Edward Hall
Research Institution: Harvard University
Home Institution: Northeastern University
Co-Authors: Edward Hall, Harvard University
HU

Couger Jaramillo..................... 11:30 AM, Elm II
Presentation Title: The Ins and Outs of Calreticulin Induction of ECM
Research Mentor: Leslie Gold
Research Institution: New York University Sackler Institute
Home Institution: Harvard University
Co-Authors: Leslie Gold, Unnati Pandya and Julien Daubriac, New York University Sackler Institute
AB

August Jenkins ........................ 4:45 PM, Belltown
Presentation Title: Content and Context Limitations with University Level International Students: Reader's Gender, Topic Knowledge and Comprehension
Research Mentor: Cindy Brantmeier
Research Institution: Washington University in St. Louis
Home Institution: Michigan State University
Co-Authors: Cindy Brantmeier and Lyndsie Schultz, Washington University in St. Louis
HU

Tiarra Joell .......................... 5:00 PM, Glen I
Presentation Title: Defining Asthma Pathology Associated with Airway Acidification Through a Molecular Window of the Ovarian Cancer G Protein-Coupled Receptor 1
Research Mentor: Steven An
Research Institution: Johns Hopkins University
Home Institution: Claflin University
Co-Authors: Jessie Huang, Wanqu Zhu and Steven An, Johns Hopkins University
AB

Malikia Johnson ...................... 11:30 AM, Waterside
Presentation Title: Missing Lives: Diversifying Representations of African-American Women in Elementary Texts
Research Mentor: Alison Booth
Research Institution: University of Virginia
Home Institution: Howard University
Co-Authors: Alison Booth, University of Virginia - Education Sciences
SS

Ayanna Jones ....................... 11:30 AM, Long Ridge
Presentation Title: Dynamics of Habitable Planets in the Triple-Star System Alpha Centauri
Research Mentor: Daniel Fabrycky
Research Institution: University of Chicago
Home Institution: Clark Atlanta University
Co-Authors: Daniel Fabrycky, University of Chicago
PS

Shirley Jusino ....................... 2:45 PM, Aspen II
Presentation Title: Role of the Human Parainfluenza Virus Type 3 Fusion Machinery in Viral Growth in the Natural Host
Research Mentor: Anne Moscona
Research Institution: Weill Cornell Graduate School
Home Institution: UPR-Ponce
Co-Authors: Laura M. Palermo and Anne Moscona, Weill Cornell Graduate School
AB
Jasmine Kaur ......................... 5:15 PM, Aspen II
Presentation Title: Prostaglandin J2 alters Amyloid Precursor Protein (APP) Localization and Trafficking: Relevance to Alzheimers Disease
Research Mentor: Maria Figueiredo-Pereira
Research Institution: Hunter College
Home Institution: University of Indianapolis
Co-Authors: Maria Figueiredo-Pereria and Teneka Jean-Louis, Hunter College
BB

Hebron Kelecha ..................... 11:15 AM, Elm II
Presentation Title: The Cellular Localization of KRIT1
Research Mentor: David Calderwood
Research Institution: Yale University
Home Institution: University of Kansas
Co-Authors: Kyle Draheim and David Calderwood, Yale University
BB

Sarah Keltz .......................... 4:45 PM, High Ridge
Presentation Title: Colocalization of NMDA Receptor and Prion Protein in Mouse Primary Hippocampal Neurons
Research Mentor: Martin Sadowski
Research Institution: New York University
Home Institution: Harvard University
Co-Authors: Martin Sadowski, New York University Sackler Institute
AB

Assama Ketegou .....................3:00 PM, Aspen I
Presentation Title: The Effects of Pediatric SIV Infection on Neurogenesis
Research Mentor: Mark Burke
Research Institution: Howard University
Home Institution: New York University
Co-Authors: Mark Burke, Howard University
AB

Aleena Khan ........................  3:30 PM, Springdale I
Presentation Title: American Public Opinion of the United States’ Standpoint on the Palestinian-Israeli Conflict
Research Mentor: Robert Shapiro
Research Institution: Columbia University
Home Institution: Simmons College
Co-Authors: Robert Shapiro, Columbia University
PE

Rody Kingston ....................... 5:00 PM, Long Ridge
Presentation Title:: The Cellular Mechanisms Underlying the Effects of the Tail Suspension Test
Research Mentor: Ana Carneiro
Research Institution: Vanderbilt University
Home Institution: Morehouse College
Co-Authors: Ana Carneiro, Vanderbilt University BB

Jasmine Kirby ........................ 11:30 AM, Belltown
Research Mentor: Evelynn Hammonds
Research Institution: Harvard University
Home Institution: University of Illinois at Urbana-Champaign
Co-Authors: Evelynn Hammonds, Harvard University HU

Tiara Lacey ........................... 5:45 PM, Long Ridge
Presentation Title: CaMKII Alpha Expression Patterns in the Mouse Ventral Tegmental Area
Research Mentor: Marina Picciotto
Research Institution: Yale University
Home Institution: Spelman College
Co-Authors: Marina Picciotto and Megan Miller, Yale University
AB

Yauheniya Lahoda ................... 3:15 PM, Glenbrook
Presentation Title: Augmenting the Edge Connectivity of Planar Straight Line Graphs to Two
Research Mentor: Csaba D. Toth
Research Institution: Tufts University
Home Institution: CSU Northridge
Co-Authors: Csaba Toth, Tufts University PS

Tianjian Lai ......................... 12:00 PM, Waterside
Presentation Title: What Counts as Bullying?: Ethnic and Gender Differences in Adolescents’ Interpretations of Peer Victimization
Research Mentor: Grace Kao
Research Institution: University of Pennsylvania Arts & Sciences
Home Institution: University of Chicago
Co-Authors: Grace Kao, University of Pennsylvania SS
Paige Leary .......................... 5:30 PM, Westover
Presentation Title: Clarifying Phenotypes of Glass Target Genes in Drosophila Photoreceptor Differentiation
Research Mentor: Jessica Treisman
Research Institution: New York University Sackler Institute
Home Institution: New College of Florida
Co-Authors: Jessica Treisman and Carolyn Morrison, New York University Sackler Institute
BB

Brittanie Lewis .......................... 11:15 AM, Cove II
Presentation Title: The Iranian Woman in the Chador: Symbolic Representation of Nationhood in the 1970s
Research Mentor: Marwa Elshakry
Research Institution: Columbia University
Home Institution: Amherst College
Co-Authors: Marwa Elshakry and Westenley Alcenat, Columbia University
HU

Lesia Liao ............................. 5:15 PM, Elm I
Presentation Title: Sex Differences in Anxiety-Like Behavior in Response to a Synthetic Cannabinoid
Research Mentor: Vanya Quiñones-Jenab
Research Institution: Hunter College
Home Institution: Swarthmore College
Co-Authors: Vanya Quiñones-Jenab, Shirzad Jenab and Helen French, Hunter College
BB

Emily Linton ............................. 4:00 PM, Elm II
Presentation Title: Analysis of Helicobacter pylori Growth and Protein Secretion under Multiple Culture Conditions
Research Mentor: Timothy Cover
Research Institution: Vanderbilt University
Home Institution: Campbell University
Co-Authors: Timothy Cover, Rhonda Caston and Christina Snider, Vanderbilt University
BB

Susie Lira-Gonzalez ..................... 3:15 PM, Westover
Presentation Title: Ethnographic Analysis of First-Year Engineering Design Teams and Senior Engineering Design Teams
Research Mentor: Mark Rentschler
Research Institution: University of Colorado Boulder
Home Institution: Gonzaga University
Co-Authors: Mark Rentschler and Carlye Lauff, University of Colorado Boulder
EN

Christopher Lites ........................ 5:15 PM, Elm II
Presentation Title: Effects of Epigallocatechin Gallate on Astrocyte Activation In METH-induced Toxicity
Research Mentor: Jesus Angulo
Research Institution: Hunter College
Home Institution: Columbia University
Co-Authors: Allen Pan and Jesus Angulo, Hunter College
BB

Anthony Longoria ..................... 3:00 PM, Belltown
Presentation Title: Investigating the Molecular Pathways of Methamphetamine Impact on Hippocampal-Dependent Spatial Memory Performance
Research Mentor: Peter Serrano
Research Institution: Hunter College
Home Institution: Saint Edward's University
Co-Authors: Peter Serrano, Hunter College
SS

Lindsey Lopes ........................... 4:45 PM, Glenbrook
Presentation Title: Identifying Neuropeptides Regulating C. Elegans Sleep
Research Mentor: David Raizen
Research Institution: University of Pennsylvania
Home Institution: Haverford College
Co-Authors: David Raizen and Michael Iannacone, University of Pennsylvania
BB

Katherine Lopez ..................... 5:30 PM, Elm II
Presentation Title: BDNF Prodomain Polymorphism Val66Met Induces Neuronal Changes
Research Mentor: Francis Lee
Research Institution: Weill Cornell Graduate School
Home Institution: Hunter College
Co-Authors: Joanna Giza and Francis Lee, Weill Cornell Graduate School
BB

Mike Lopez ......................... 12:30 PM, Westover
Presentation Title: Fostering Scientific Identity in Underrepresented Minorities Through Informal Science Programs: The Role of PISEC
Research Mentor: Noah Finkelstein
Research Institution: University of Colorado Boulder
Home Institution: UC San Diego
Co-Authors: Noah Finkelstein, Kathleen Hinko and Simone Hyater-Adams, University of Colorado Boulder
PS
Chloe Lopez-Lee .................... 5:15 PM, High Ridge
Presentation Title: The Influence of Estrogen Receptor Alpha on Hippocampal Phosphorylated TrkB Synaptic Plasticity
Research Mentor: Teresa Milner
Research Institution: Weill Cornell Graduate School
Home Institution: Mount Holyoke College
Co-Authors: Teresa Milner and Sanoara Mazid, Weill Cornell Graduate School
AB

Raymond Lopez-Rios ............... 3:45 PM, Westover
Presentation Title: Hyperspectral Coherent Diffractive Imaging Using Ptychography
Research Mentor: Henry Kapteyn
Research Institution: University of Colorado Boulder
Home Institution: University of Rochester
Co-Authors: Henry Kapteyn, Margaret Murnane and Dennis Gardner, University of Colorado Boulder
PS

Ana Maldonado ...................... 3:45 PM, Cove I
Presentation Title: Intimate Partner Violence: The Effects of Perpetrator Characteristics on Treatment Engagement and Outcome
Research Mentor: Christopher Murphy
Research Institution: University of Maryland, Baltimore County
Home Institution: Princeton University
Co-Authors: Christopher Murphy, University of Maryland, Baltimore County
SS

Syeda Malliha ....................... 5:15 PM, Springdale I
Presentation Title: What Factors Influence Public Opinion on Natural Disasters?
Research Mentor: Robert Shapiro
Research Institution: Columbia University
Home Institution: Amherst College
Co-Authors: Robert Y. Shapiro, Columbia University
PE

Elena Malloy......................... 3:00 PM, Glenbrook
Presentation Title: On the Study of Discriminants and Resultants of Polynomials over Finite Fields
Research Mentor: Elena Malloy
Research Institution: University of Chicago
Home Institution: Yale University
Co-Authors: Benson Farb and Claudio Gonzales, University of Chicago; Marcus Morales, Heritage University
PS

Tomaz Manzoni ..................... 3:00 PM, Aspen II
Presentation Title: Modeling Interactions Between APOBEC3G and HIV Vif Polymorphs In vivo
Research Mentor: Susan Ross
Research Institution: University of Pennsylvania
Home Institution: St. Olaf College
Co-Authors: Cristhian Cadena, Spyridon Stavrou and Susan Ross, University of Pennsylvania
AB

Benny Marin-Acevedo............... 4:00 PM, Alder
Presentation Title: Differential Expression of Micro-RNAs in Hypertrophic Cardiomyopathy Mouse Model
Research Mentor: Benny Marin-Acevedo
Research Institution: University of Colorado Boulder
Home Institution: UPR-Rio Piedras
Co-Authors: Leslie Leinwand and Kaylan Haizlip, University of Colorado Boulder
AB

Cynthia Marrero-Ramos ............ 12:15 PM, Cove II
Presentation Title: El Diablito Subternneo: Hidden Knowledge, Public Power, and the Abaku Society in Colonial Cuba
Research Mentor: Aisha Khan
Research Institution: New York University
Home Institution: DePaul University
Co-Authors: Aisha Khan, New York University - Arts & Sciences
HU

Amra Marshall ....................... 12:15 PM, Waterside
Presentation Title: Social Support and Educational Attainment: The Pursuit of Academic Achievement in African American Male College Freshman
Research Mentor: Micere Keels
Research Institution: University of Chicago
Home Institution: Bennett College
Co-Authors: Micere Keels, University of Chicago
SS

Victor Martinez..................... 11:45 AM, Elm II
Presentation Title: Examining the Sub-Cellular Localization of the Ajuba Protein in Human Cells
Research Mentor: Diego Loayza
Research Institution: Hunter College
Home Institution: UPR-Mayaguez
Co-Authors: Diego Loayza, Hunter College
BB
Matheus Martins .............................. 12:30 PM, Aspen I
Presentation Title: Engineering a Selective DNA Sequestration Platform for Biomolecular Nanotechnology
Research Mentor: William Shih
Research Institution: Harvard University, Division of Medical Sciences
Home Institution: University of Texas at Austin
Co-Authors: Elisha Krieg and William Shih, Harvard Medical School
AB

Sarah Master ............................... 3:30 PM, Waterside
Presentation Title: Trauma-Related Symptoms and Reduced Gray Matter Volume in the Ventral Anterior Cingulate Cortex
Research Mentor: Mariann Weierich
Research Institution: Hunter College
Home Institution: Brown University
Co-Authors: Mariann R. Weierich and Seungyeon A. Yoon, Hunter College
SS

Stephanie Matos ..................... 11:15 AM, Waterside
Presentation Title: Cultures of Ethics in Engineering-for-Development (EfD) and Design-for-Development (DfD) University-Based Programs
Research Mentor: Shawhin Roudbari
Research Institution: University of Colorado Boulder
Home Institution: University of Central Florida
Co-Authors: Shawhin Roudbari, University of Colorado Boulder
SS

Monique McClain ................. 11:15 AM, Glenbrook
Presentation Title: Lagrangian Coherent Structures in High-Speed Premixed Turbulent Reacting Flows
Research Mentor: Peter Hamlington
Research Institution: University of Colorado Boulder
Home Institution: UC San Diego
Co-Authors: Peter Hamlington and Clarissa Briner, University of Colorado Boulder
EN

Kiara McDaniel .......................... 5:00 PM, Aspen I
Presentation Title: Development of Melanoma 3D-organoids: A New Preclinical Model for the Understanding and Treatment of Melanoma
Research Mentor: Iman Osman
Research Institution: New York University Sackler Institute
Home Institution: North Carolina A&T State University
Co-Authors: Iman Osman, Eleazar Vega y Saenz de Miera and Amel Salhi, New York University Sackler Institute
AB

Nasib McIntosh .............................. 12:30 PM, Cove I
Presentation Title: Some Vaster, Mightier Thing: Representations of Intimacy in Afrofuturist Literature
Research Mentor: Herman Beavers
Research Institution: University of Pennsylvania Arts & Sciences
Home Institution: New College of Florida
Co-Authors: Herman Beavers, University of Pennsylvania
HU

Grace McKenzie-Smith ............ 11:30 AM, Aspen II
Presentation Title: Antigen Development for Human and Mouse CENP-A and CENP-C
Research Mentor: Benjamin Black
Research Institution: University of Pennsylvania
Home Institution: Bowdoin College
Co-Authors: Samantha J. Falk, Lucie Y. Guo and Ben E. Black, University of Pennsylvania
BB

Christopher Mendoza .................. 3:00 PM, Waterside
Presentation Title: First Impressions: A Prosodic Analysis of Interactional Style and Social Perception
Research Mentor: Renée Blake
Research Institution: New York University
Home Institution: Macalester College
Co-Authors: Renée Blake, New York University - Arts & Sciences
HU

Michael Menefee ......................... 5:15 PM, Cove II
Presentation Title: Criminal Records, Race, and the Search for Work
Research Mentor: Devah Pager
Research Institution: Harvard University
Home Institution: Southern Oregon University
Co-Authors: Devah Pager, Harvard University
SS

Arnaldo Mercado-Perez ............. 4:00 PM, Glen II
Presentation Title: Metabolic Flux Analysis of Obesity-Associated Inflammation
Research Mentor: Jose Aleman
Research Institution: Weill Cornell Graduate School
Home Institution: Johns Hopkins University
Co-Authors: Max Schechter, Jose Aleman and Jan Breslow, Weill Cornell Graduate School
BB
Grace Milburn.........................5:45 PM, Glen II
Presentation Title: Investigating the Role of CXCR4 in T-Cell Acute Lymphoblastic Leukemia
Research Mentor: Susan Schwab
Research Institution: New York University Sackler Institute
Home Institution: Saint Louis University
Co-Authors: Susan Schwab and Lauren Pitt, New York University Sackler Institute
BB

Anna Morales......................... 11:45 AM, Alder
Presentation Title: The Molecular Effects of In utero Nicotine Exposure on C57BL/6 Mice and Their Progeny
Research Mentor: Jerry Stitzel
Research Institution: University of Colorado Boulder
Home Institution: University of Texas at Dallas
Co-Authors: Jerry Stitzel and Heidi O’Neill, University of Colorado Boulder
BB

Jared Mitchell ......................11:15 AM, Long Ridge
Presentation Title: Sharpening the Image of the Universe
Research Mentor: Suzanne Staggs
Research Institution: Princeton University
Home Institution: Morehouse College
Co-Authors: Suzanne Staggs and Steve Choi, Princeton University
PS

Ari Morgenstern ................... 5:15 PM, Glen III
Presentation Title: AMIGO2 is a Novel Therapeutic Target in Melanoma
Research Mentor: Eva Hernando
Research Institution: New York University Sackler Institute
Home Institution: University of Rochester
Co-Authors: Barbara Fontanals-Cirera, New York University Sackler Institute; Dan Hasson, Icahn School of Medicine at Mount Sinai; Emily Bernstein, Icahn School of Medicine at Mount Sinai; and Eva Hernandez, New York University Sackler Institute
AB

Victoria Mogollon Montagne.........5:45 PM, Cove I
Presentation Title: Preparing for the Show: Ideologies of Children's Development at Two New York City Community Music Programs
Research Mentor: Aaron Fox
Research Institution: Columbia University
Home Institution: University of Denver
Co-Authors: Aaron A. Fox, Columbia University
HU

Cheswayo Mphanza ................. 12:30 PM, Belltown
Presentation Title: Tha Block Is Hot: Gwendolyn Brooks' Black Aesthetic
Research Mentor: Farah Griffin
Research Institution: Columbia University
Home Institution: Middlebury College
Co-Authors: Farah Griffin, Columbia University
HU

David Molina .........................3:15 PM, Glen II
Presentation Title: Area-level Determinants of Blood Pressure Across the Life Course
Research Mentor: Eric Loucks
Research Institution: Brown University
Home Institution: University of Rhode Island
Co-Authors: Eric Loucks and Marcia Pescador Jimenez, Brown University
AB

Jessica Murdzek....................11:15 AM, High Ridge
Presentation Title: Atomically Flat BaSnO3 Surface as a Novel Substrate for Epitaxial Films Growth
Research Mentor: Charles Ahn
Research Institution: Yale University
Home Institution: University of Connecticut
Co-Authors: Charles Ahn and Daniela Morales, Yale University
EN

Salvador Montes.....................11:45 AM, Westover
Presentation Title: Measuring Dynamic Instability of Microtubules
Research Mentor: Meredith Betterton
Research Institution: University of Colorado Boulder
Home Institution: CSU Stanislus
Co-Authors: Meredith Betterton and Zachary Gargeley, University of Colorado Boulder
PS

Saparja Nag ......................... 4:00 PM, Glenbrook
Presentation Title: Synthesis and Characterization of Magnetic Contrast Agent Liposomes for Biomedical Imaging Applications
Research Mentor: Paul Van Tassel
Research Institution: Yale University
Home Institution: Vassar College
Co-Authors: Paul Van Tassel, Yale University
AB
Maria Navarro ............................... 5:00 PM, Elm I
Presentation Title: Striatal Gene Expression Changes Associated with Sex-Specific Behavioral Deficits in Mouse Models of Autism
Research Mentor: Ted Abel
Research Institution: University of Pennsylvania
Home Institution: University of Miami
Co-Authors: Nicola Grissom, Shaila Berlas and Ted Abel, University of Pennsylvania

Natasha Navejar ......................... 11:30 AM, Alder
Presentation Title: A Kinematic Analysis of Reaching in the Naturally Foraging Common Marmoset (Callithrix jaccus)
Research Mentor: Nicholas Hatsopoulos
Research Institution: University of Chicago
Home Institution: Tulane University
Co-Authors: Nicholas Hatsopoulos and Jeffrey Walker, University of Chicago

Libere Ndacayisaba.....................11:45 AM, Glen I
Presentation Title: Exploring miRNA Silencing Mechanisms Using Machine Learning Algorithms to Discover Biologically-Relevant Pathway Nodes
Research Mentor: Yuan Wang
Research Institution: Novartis Institutes for BioMedical Research
Home Institution: Syracuse University
Co-Authors: Yuan Wang, Novartis Institutes for BioMedical Research

Armand Ngassam ...................... 2:45 PM, Glenbrook
Presentation Title: Treatment of Water with Modified MFI Zeolites and UV Radiation
Research Mentor: Karl Linden
Research Institution: University of Colorado Boulder
Home Institution: University of Maryland, College Park
Co-Authors: Karl Linden and Natalie Hull, University of Colorado Boulder

Binh Nguyen ........................... 2:45 PM, Glen II
Presentation Title: Studying the Localization and Dynamics of Adherens Junction Proteins in Epithelial Cells Under Force
Research Mentor: William Razzell
Research Institution: Weill Cornell Medical College
Home Institution: Lehman College CUNY
Co-Authors: William Razzell and Jennifer Zallen, Weill Cornell Medical College

Logan Northcutt .......................... 4:45 PM, Alder
Presentation Title: Manipulating Chemokines and TBF-Beta to Enhance Neutrophil Killing and Reduce Metastasis
Research Mentor: Ann Richmond
Research Institution: Vanderbilt University
Home Institution: Morehouse College
Co-Authors: Nicole Lavender, Jiming Yang and Ann Richmond, Vanderbilt University

Ron Nwumeh ............................ 5:15 PM, Glen II
Presentation Title: The Role of TERT Promotor Mutations in Oncogenesis
Research Mentor: Thomas Cech
Research Institution: University of Colorado Boulder
Home Institution: Washington University in St. Louis
Co-Authors: Tom Cech and Josh Stern, University of Colorado Boulder

Juliana Nzongo ......................... 3:30 PM, Elm II
Presentation Title: Genetic Screen of Novel Vibrio Cholerae Factors Involved in Biofilm Dispersal During Infection
Research Mentor: Jun Zhu
Research Institution: University of Pennsylvania
Home Institution: San Francisco State University
Co-Authors: Jun (Jay) Zhu and Amanda Hay, University of Pennsylvania

Prisca Obi .............................. 3:15 PM, Glen I
Presentation Title: Characterization of Murine Model of Osteogenesis Imperfecta Type VII in CRTAP Deficient Male Mice
Research Mentor: Adele Boskey
Research Institution: Weill Cornell Medical College
Home Institution: Harvard University
Co-Authors: Lyudmila Lukashova, Lyudmila Spevak and Adele Boskey, Hospital for Special Surgery

Trini Ochoa ........................... 4:00 PM, Aspen II
Presentation Title: Revisiting Classical Definitions of Hemagglutinin Antigenic Sites Using Different H1N1 Strains
Research Mentor: Scott Hensley
Research Institution: University of Pennsylvania
Home Institution: University of Texas at El Paso
Co-Authors: Scott E. Hensley, Susanne L. Linderman and Seth J. Zost, University of Pennsylvania
Victoria Ochoa .......................... 4:45 PM, Springdale II
Presentation Title: Latinos and the Media
Research Mentor: Gary Segura
Research Institution: Stanford University
Home Institution: Saint Edward's University
Co-Authors: Gary Segura, Stanford University
PE

Nnaemeka Ofodire ..................... 3:15 PM, Springdale I
Presentation Title: Challenges for Renewable Energy Implementation in Sub-Saharan Africa
Research Mentor: Amaney Jamal
Research Institution: Princeton University
Home Institution: UC Berkeley
Co-Authors: Amaney Jamal, Princeton University
SS

Adaeze Okoli ......................... 12:15 PM, Belltown
Presentation Title: Migration in the Rainbow Nation: A Look at Internal Migration in South Africa 20 Years Post-Apartheid
Research Mentor: Michael White
Research Institution: Brown University
Home Institution: UC Berkeley
Co-Authors: Michael White, Brown University
SS

Chimdiya Onwukwe .................... 4:45 PM, Elm II
Presentation Title: Exploring Nicotine Induced Aversion in Projections from the Interpeduncular Nucleus to the Dorsal Raphe Nucleus
Research Mentor: Daniel Mcgehee
Research Institution: University of Chicago
Home Institution: University of Maryland, Baltimore County
Co-Authors: Daniel Mcgehee, Shannon Wolfman and Daniel Gill, University of Chicago
BB

Michael Onyszczak ................... 11:45 AM, High Ridge
Presentation Title: A Schrodinger-Poisson Solver for Oxide Interfaces
Research Mentor: Sohrab Ismail-Beigi
Research Institution: Yale University
Home Institution: Iowa State University
Co-Authors: Sohrab Ismail-Beigi, Yale University
PS

Alberto Ortiz............................ 12:15 PM, High Ridge
Presentation Title: Synthesis of a Superlattice and LaNiO3 and Effect of Oxygen Annealing
Research Mentor: Frederick Walker
Research Institution: Yale University
Home Institution: Central Connecticut State University
Co-Authors: Fred Walker, Ankit Disa and Divine Kumah, Yale University
EN

Jeremy Pagan............................ 3:15 PM, Cove I
Presentation Title: From Sterotype Threat to Violence: The Focus on Police & Demonstrators During a “Perfect Storm”
Research Mentor: James Sidanius
Research Institution: Harvard University
Home Institution: DePaul University
Co-Authors: James Sidanius and Sa-Kiera Hudson, Harvard University
SS

Andria Palmer.......................... 12:30 PM, Long Ridge
Presentation Title: Radiation Modeling in GEO and Jupiter Radiation Environments
Research Mentor: Fran Bagenal
Research Institution: University of Colorado Boulder
Home Institution: University of West Florida
Co-Authors: Timothy Cassidy and Fran Bagenal, University of Colorado Boulder
PS

Thibaut Pardo ........................... 4:45 PM, Westover
Presentation Title: Behavioral Effects of a Novel Kappa Opioid Receptor Antagonist, LY2444296
Research Mentor: Caroline Browne
Research Institution: University of Pennsylvania
Home Institution: UPR-Rio Piedras
Co-Authors: Irwin Lucki and Caroline Browne, University of Pennsylvania
BB

Daymond Parrilla ....................... 3:00 PM, Alder
Presentation Title: Monitoring Plk4 Kinase Activity in Living Cells
Research Mentor: Andrew Holland
Research Institution: Johns Hopkins University
Home Institution: University of South Carolina
Co-Authors: Andrew Holland, Johns Hopkins University
BB
Kajal Patel................................. 3:00 PM, Elm I
Presentation Title: Investigating the Contribution of FIS to Stress Response and Virulence in Yersinia
Research Mentor: Joan Mecsas
Research Institution: Tufts University Graduate BioMedical Sciences
Home Institution: Clemson University
Co-Authors: Joan Mecsas and Erin Green, Tufts University School of Graduate Biomedical Sciences

Ricardo Perez Dulzaides .............. 12:30 PM, Glen III
Presentation Title: TET Enzyme Variants as Tools to Understand Cytosine Epigenetic Modifications
Research Mentor: Rahul Kohli
Research Institution: University of Pennsylvania
Home Institution: Florida International University
Co-Authors: Monica Yun Liu and Rahul Kohli,
University of Pennsylvania

Andrea Penman-Lomeli ............. 11:15 AM, Belltown
Presentation Title: Bodies that Work: Citizenship and the Rendering of Chicana/o Identity in Tomas Rivera’s “y no se lo trago la tierra”
Research Mentor: Joseph Slaughter
Research Institution: Columbia University
Home Institution: Middlebury College
Co-Authors: Joseph Slaughter, Columbia University

Christopher Persaud.............5:00 PM, Springdale II
Presentation Title: Social Science Research, Media Response, and Moral Judgment: Content Analysis of News Articles on the “LaCour Scandal”
Research Mentor: Michèle Lamont
Research Institution: Harvard University
Home Institution: Temple University
Co-Authors: Michèle Lamont, Harvard University

Swathi Penumutcu................. 3:00 PM, Long Ridge
Presentation Title: Impact of Antibiotics on Horizontal Gene Transfer in Vibrio cholerae
Research Mentor: Peter Belenky
Research Institution: Brown University
Home Institution: University of Maryland, Baltimore County
Co-Authors: Peter Belenky and Benjamin Korry, Brown University

Michael Pineda.................. 11:45 AM, Glen II
Presentation Title: Geospatial Characterization Of Distinct Metagenomic Landscapes
Research Mentor: Christopher Mason
Research Institution: Weill Cornell Medical College
Home Institution: Arizona State University
Co-Authors: Christopher Mason, Weill Cornell Medical College

Daniel Perez ..................... 12:15 PM, Alder
Presentation Title: Analyzing the Effects of Parental Dietary Stressors on Embryonic Development in C. elegans
Research Mentor: John Murray
Research Institution: University of Pennsylvania
Home Institution: University of Florida
Co-Authors: John Isaac Murray, University of Pennsylvania

Kayla Pinson .......................5:30 PM, Cove I
Presentation Title: The Narrow Path to Justice: Amnesty and Memory in Post Apartheid South Africa
Research Mentor: Allison Booth
Research Institution: University of Virginia
Home Institution: Virginia State University
Co-Authors: Allison Booth, University of Virginia - Education Sciences

Jonatan Perez..................... 12:00 PM, Cove II
Presentation Title: Closing the Door: LULAC and the Exclusion of Mexican Immigrants in San Antonio, Texas During the Great Depression
Research Mentor: Ana Minian
Research Institution: Stanford University
Home Institution: Brown University
Co-Authors: Monica Martinez and Ana Minian, Stanford University

Rebecca Plessel................... 3:30 PM, High Ridge
Presentation Title: Identifying Self-Renewal Factors That Maintain Stem Cells in Drosophila Testes
Research Mentor: Erika Bach
Research Institution: New York University
Sackler Institute
Home Institution: Pennsylvania State University
Co-Authors: Erika Bach, Shally Margolis and Lydia Grmai, New York University Sackler Institute

HU
Mariyah Pressley .......................... 2:45 PM, Long Ridge
Presentation Title: Antibacterial Effects of Substrate Composition
Research Mentor: Themis Kyriakides
Research Institution: Yale University
Home Institution: North Carolina A&T State University
Co-Authors: Jagannath Padmanabhan, Bettina Cheung and Themis Kyriakides, Yale University
AB

Amanda Ramdular ......................... 3:00 PM, Westover
Presentation Title: Diversity Oriented Synthesis of a Novel Benzannulated Spiroketal Screening Library
Research Mentor: Derek Tan
Research Institution: Weill Cornell Graduate School
Home Institution: Hunter College
Co-Authors: Corinne Foley, Memorial Sloan Kettering Cancer Center; Derek Tan, Weill Cornell Graduate School
PS

Blanca Ramirez ............................ 3:45 PM, Cove II
Presentation Title: Is Adolescent Intimate Partner Violence a Learned Behavior? Insights from the Fragile Families Study
Research Mentor: Marta Tienda
Research Institution: Princeton University
Home Institution: CSU Fullerton
Co-Authors: Marta Tienda, Princeton University SS

Tara Ramirez ............................... 11:45 AM, Elm I
Presentation Title: Expression Screening of TRP Channels for Structural and Biochemical Studies
Research Mentor: Alexander Sobolevsky
Research Institution: Columbia University
Home Institution: UPR-Rio Piedras
Co-Authors: Alexander Sobolevsky and Kei Saotome, Columbia University
BB

Tania Ramos Santiago ..................... 5:45 PM, High Ridge
Presentation Title: Development of Gene Therapy for Leber’s Congenital Amaurosis Due to RDH12 Mutations
Research Mentor: Jean Bennett
Research Institution: University of Pennsylvania
Home Institution: UPR-Rio Piedras
Co-Authors: Jean Bennett and Vidyullatha Vasireddy, University of Pennsylvania
BB

Gerardo Reyes Chavez .................... 11:30 AM, Elm I
Presentation Title: Logistics of the Vitellogenin and Yolk Proteins in the Sea Star, Patiria miniata
Research Mentor: Gary Wessel
Research Institution: Brown University
Home Institution: LaGuardia Community College CUNY
Co-Authors: Gary Wessel, Brown University; Thomas Onorato, LaGuardia Community College; Vanesa Zazueta, Brown University
BB

Joel Rhone ................................. 11:45 AM, Cove I
Presentation Title: Surveillance, Policing, and the Politics of Space in Superman Comic Books
Research Mentor: Alison Booth
Research Institution: University of Virginia
Home Institution: Howard University
Co-Authors: Alison Booth, University of Virginia - Education Sciences
HU

Remington Rimple ......................... 4:00 PM, Glen III
Presentation Title: Evaluating the Efficacy of Silk Sponge Patches for In Vivo Repair of the Heart Following Myocardial Infarction Using Immunohistochemistry
Research Mentor: Lauren Black III
Research Institution: Tufts University
Home Institution: CSU San Marcos
Co-Authors: Whitney L. Stoppel, Kelly E. Sullivan and Lauren D. Black III, Tufts University
AB

Laura Ritenour ............................ 3:00 PM, Glen II
Presentation Title: Probing the Role of Adipocyte mTORC2 in Whole-Body Metabolism and Cold-Induced Thermogenesis
Research Mentor: Joseph Baur
Research Institution: University of Pennsylvania
Home Institution: Messiah College
Co-Authors: Cassie Tran and Joseph Baur, University of Pennsylvania
AB

Osvaldo Rivera ......................... 5:30 PM, Alder
Presentation Title: Roles of BRCA2 and SLX4 in Replication-Stress-Induced Genomic Break Sites
Research Mentor: Eric Brown
Research Institution: University of Pennsylvania
Home Institution: Universidad Metropolitana
Co-Authors: Eric Brown and Nishita Shastrl, University of Pennsylvania
BB
Mario Rodriguez ......................... 5:45 PM, Westover
  Presentation Title: Morphological and Behavioral Examination of Olfaction Recovery After Irritant Exposure in Mice
  Research Mentor: Weihong Lin
  Research Institution: University of Maryland, Baltimore County
  Home Institution: University of Miami
  Co-Authors: Weihong Lin, Kayla Lemons and David Dunston, University of Maryland, Baltimore County

Krystal Roggerson .....................4:00 PM, Aspen I
  Presentation Title: Investigating the Effects of Hepatitis C Virus-induced Exosomes on T Cells
  Research Mentor: Drew Cobb
  Research Institution: University of Virginia School of Medicine
  Home Institution: Hampton University
  Co-Authors: Young S. Hahn and Drew Cobb, University of Virginia, School of Medicine

Ariel Rosario ..........................3:15 PM, Waterside
  Presentation Title: Examining the Effects of Divided Attention on Memory Retrieval After Different Learning Approaches
  Research Mentor: Marvin Chun
  Research Institution: Yale University
  Home Institution: York College CUNY
  Co-Authors: Marc Coutanche and Marvin Chun, Yale University

Debanjan Roychoudhury ............... 4:45 PM, Cove II
  Presentation Title: All Eyez on Me: Surveillance and Policing in West Harlem’s Neighborhood of Hamilton Heights
  Research Mentor: Van Tran
  Research Institution: Columbia University
  Home Institution: Middlebury College
  Co-Authors: Van Tran, Brittany Fox and Devon Wade, Columbia University

Amorette Sanchez-Valdenegro ......11:30 AM, Glen III
  Presentation Title: Modeling the Distribution of ChIP Pol II Along a Gene
  Research Mentor: Robin Dowell
  Research Institution: University of Colorado Boulder
  Home Institution: Regis College
  Co-Authors: Robin Dowell and Joey Azofeifa, University of Colorado Boulder

Madlene Santizo ....................... 5:30 PM, Cove II
  Presentation Title: Eres lo que Comes: Ethnic Restaurants and the (Re)production of Cultural Identities in Upper Manhattan
  Research Mentor: Madlene Santizo
  Research Institution: Columbia University
  Home Institution: Bates College
  Co-Authors: Van Tran, Devon Wade and Brittany Fox, Columbia University

Ololade Sanusi ......................... 4:00 PM, Glen I
  Presentation Title: Study of Novel and Ultra Rare Arrhythmogenic Gene Variants in Sudden Unexplained Deaths
  Research Mentor: Yingying Tang
  Research Institution: New York University Sackler Institute
  Home Institution: Rutgers University
  Co-Authors: Yingying Tang and Ying Lin, New York University Sackler Institute

Adrienne Scott .........................3:00 PM, Cove I
  Presentation Title: American Perceptions of Welfare Policy and the Welfare Queen: An Analysis of Generosity Before and After the Great Recession
  Research Mentor: Dara Strolovitch
  Research Institution: Princeton University
  Home Institution: Brooklyn College CUNY
  Co-Authors: Dara Strolovitch, Princeton University

Alina Scott ....................... 2:45 PM, Springdale I
  Presentation Title: Research Toward a Comparison of Cherokee and Wampanoag Women's Antiremoval Petitioning
  Research Mentor: Daniel Carpenter
  Research Institution: Harvard University
  Home Institution: Southern Nazarene University
  Co-Authors: Daniel Carpenter and Nicole Topich, Harvard University

Courtney Scott ....................... 4:00 PM, Springdale I
  Presentation Title: Plant Species Composition on Recent Landslides on the Front Range of Colorado: Relationship Between Soil Status and Plant Characteristics
  Research Mentor: Tim Seastedt
  Research Institution: University of Colorado Boulder
  Home Institution: University of Colorado Boulder
  Co-Authors: Tim Seastedt, University of Colorado Boulder
Julian Segert .......................... 5:15 PM, Glenbrook
Presentation Title: Determination of the Downstream Ras Effector Pathway in C. elegans Neuroblast Delamination
Research Mentor: Meera Sundaram
Research Institution: University of Pennsylvania
Home Institution: Swarthmore College
Co-Authors: Meera Sundaram, University of Pennsylvania
BB

Jaqueline Serrano .................... 3:15 PM, High Ridge
Presentation Title: Using Human Embryonic Stem Cells to Recapitulate Skin Development
Research Mentor: Alessia Deglincerti
Research Institution: Weill Cornell Medical College
Home Institution: Williams College
Co-Authors: Ali H. Brivanlou and Alessia Deglincerti, Weill Cornell Medical College
BB

Sarah Seto ............................. 11:15 AM, Aspen I
Presentation Title: Nucleolar Response and DNA Damage after Exportin-1 Inhibition
Research Mentor: James Orth
Research Institution: University of Colorado Boulder
Home Institution: Johns Hopkins University
Co-Authors: James Orth and Russell Burke, University of Colorado Boulder
BB

Rahul Sharma ......................... 12:00 PM, Aspen I
Presentation Title: Characterizing Novel Interactors of the Sin3B Complex and Their Roles in Transformation
Research Mentor: Gregory David
Research Institution: New York University Sackler Institute
Home Institution: Johns Hopkins University
Co-Authors: Gregory David and Anthony Bainor, New York University Sackler Institute
BB

Lilybeth Shields ....................... 2:45 PM, Waterside
Presentation Title: The Gaming Effect: Why the Members of the Puerto Rican Gaming Community Acquire English More Easily Than Their Peers
Research Mentor: Allison Booth
Research Institution: University of Virginia
Home Institution: UPR-Humacao
Co-Authors: Alison Booth, University of Virginia - Education Sciences
HU

Abigail Shilvock ...................... 12:00 PM, Glen III
Presentation Title: Examining the Mechanism of ADAR1 Mediated ISG Regulation
Research Mentor: Hachung Chung
Research Institution: Weill Cornell Medical College
Home Institution: Cornell University
Co-Authors: Hachung Chung and Charles Rice, Weill Cornell Medical College
BB

Akinola Sogunro ....................... 2:45 PM, Elm I
Presentation Title: Dendritic Cell Migration Within the Spleen Regulates the Induction of Red Blood Cell Alloimmunization
Research Mentor: Stephanie Eisenbarth
Research Institution: Yale University
Home Institution: Johns Hopkins University
Co-Authors: Samuele Calabro and Stephanie Eisenbarth, Yale University
BB

Isaiah Speight ......................... 12:00 PM, Westover
Presentation Title: Chemoenzymatic Synthesis of Functionalized Galactooligosaccharides.
Research Mentor: Steven Townsend
Research Institution: Vanderbilt University
Home Institution: Norfolk State University
Co-Authors: Steven Townsend and Dorothy Ackerman, Vanderbilt University
PS

Phillip Stephens ...................... 5:45 PM, Aspen I
Presentation Title: Does Chemotherapy-induced Peripheral Neuropathy Affect Different Sensory Neuron Subtypes?
Research Mentor: Rosalind Segal
Research Institution: Harvard University, Division of Medical Sciences
Home Institution: Morehouse College
Co-Authors: Rosalind Segal and Sarah Pease, Harvard Medical School
AB

Tamrin Stewart ....................... 4:00 PM, Cove I
Presentation Title: Black President, Continued Black Suffering: Predicting African-American Political Behavior in the Post-Obama Era
Research Mentor: Omar McRoberts
Research Institution: University of Chicago
Home Institution: UC Berkeley
Co-Authors: Omar McRoberts, University of Chicago
PE
Cesar Suarez.......................... 3:30 PM, Long Ridge
Presentation Title: Testing the Efficacy of a Self-Assembling, Epitope-Based Vaccine That Was Designed to Reduce Systematic Chronic Inflammation
Research Mentor: Joel Collier
Research Institution: University of Chicago
Home Institution: University of Maryland, Baltimore County
Co-Authors: Joel Collier, Carolina Mora Solano and Jacqueline Handley, University of Chicago

Cassandra Sunga......................... 12:30 PM, Glen I
Presentation Title: Determining the Basis of UV Crosslinking Between Lin28 and let-7 miRNA
Research Mentor: Elizabeth Ransey
Research Institution: Harvard University
Home Institution: Boston University
Co-Authors: Elizabeth Ransey and Piotr Sliz, Harvard Medical School

Canessa Swanson ...................... 11:15 AM, Aspen II
Presentation Title: Characterization of linc-RNA Gas5 Binding Affinity to Glucocorticoid Receptor Through Mutagenesis
Research Mentor: Nicholas Parsonnet
Research Institution: University of Colorado Boulder
Home Institution: Jackson State University
Co-Authors: Deborah Wuttke and Nicholas Parsonnet, University of Colorado Boulder

Huong Tang............................. 12:15 PM, Glen II
Presentation Title: Mass Spectrometric Analysis of De novo Assembled Transcriptomes
Research Mentor: Avantika Dhabaria
Research Institution: Weill Cornell Graduate School
Home Institution: UMass Boston
Co-Authors: Avantika Dhabaria, Anton Henssen and Alex Kentsis, Weill Cornell Graduate School

Kelly Tellez ............................. 5:45 PM, Aspen II
Presentation Title: Restoration of Neuropeptide Y Signaling in Mice Overexpressing Amyloid Precursor Protein
Research Mentor: Makoto Ishii
Research Institution: Weill Cornell Medical College
Home Institution: Williams College
Co-Authors: Makoto Ishii, Weill Cornell Medical College

Monica Thapaliya.......................... 3:15 PM, Long Ridge
Presentation Title: Role of Vitamin A Metabolism in Antimicrobial Response in Intestinal Paneth Cell
Research Mentor: Shipra Vaishnava
Research Institution: Brown University
Home Institution: Claffein University
Co-Authors: Shipra Vaishnava and Mayara Grizote-Lake, Brown University

Chrystal Thomas.......................... 12:30 PM, Glen II
Presentation Title: Shooting Blanks: Optimizing Mass Spectrometry Metabolomics Methods via Analysis of Injection Blank Effects
Research Mentor: Aalim Weljie
Research Institution: University of Pennsylvania
Home Institution: Carnegie Mellon University
Co-Authors: Aalim Weljie, Saiukami Krishnaiah and Seth Rhoades, University of Pennsylvania

Andrew Thompson ..................... 3:45 PM, Aspen II
Presentation Title: Identification of Cellular Factors That Restrict ChiKV Replication
Research Mentor: David Levy
Research Institution: New York University
Home Institution: Colgate University
Co-Authors: David Levy and Alissa Pham, New York University Sackler Institute

Jamal Thorne ............................ 3:15 PM, Cove II
Presentation Title: The Effects of Phrasing, Visualization, and Spatial Ability on Bayesian Reasoning
Research Mentor: Remco Chang
Research Institution: Tufts University
Home Institution: Morehouse College
Co-Authors: Remco Chang and Alvitta Ottley, Tufts University

Daniel Tirado ............................ 12:00 PM, Alder
Presentation Title: Diurnal CORT Circulation Influences Conditioned Fear Extinction Learning and Fear Renewal
Research Mentor: Robert Spencer
Research Institution: University of Colorado Boulder
Home Institution: University of Miami
Co-Authors: Robert Spencer and Elizabeth Woodruff, University of Colorado Boulder
Paulina Toro Isaza ............... 3:45 PM, Springdale I
Presentation Title: Subnational Variation of Federal and Local State Capacity in Colombia
Research Mentor: Miguel Centeno
Research Institution: Princeton University
Home Institution: Hunter College
Co-Authors: Miguel Centeno, Princeton University

Priscilla Torres .................... 12:00 PM, High Ridge
Presentation Title: Single Atom Catalyst for Solar Fuel Production
Research Mentor: Andrew Peterson
Research Institution: Brown University
Home Institution: Saint Edward’s University
Co-Authors: Andrew Peterson, Yin-Jia Zhang and Seokki Kim, Brown University

Jasmine Towns ....................... 5:15 PM, Long Ridge
Presentation Title: Investigating Neuronal and Microglial Characteristics on Platinum Bulk Metallic Glasses
Research Mentor: Themis Kyriakides
Research Institution: Yale University
Home Institution: North Carolina A&T State University
Co-Authors: Ayomiposi Loye and Themis Kyriakides, Yale University

Thuy Tran ............................. 12:00 PM, Belltown
Presentation Title: The Vietnam/American War: Representation of the Enemy in Literature
Research Mentor: David Palumbo-Liu
Research Institution: Stanford University
Home Institution: Sewanee: The University of the South
Co-Authors: David Palumbo-Liu, Stanford University

Sam Trejo................................ 12:30 PM, Cove II
Presentation Title: Foreign Aid, Fire-Arms, and Civil War
Research Mentor: Kristopher Ramsay
Research Institution: Princeton University
Home Institution: University of Texas at Austin
Co-Authors: Kristopher Ramsay, Princeton University

Julie Trolle ............................ 12:15 PM, Glen I
Presentation Title: Generating a CRISPRi System to Study the Function of IncRNAs in AML
Research Mentor: Iannis Aifantis
Research Institution: New York University
Home Institution: Jacobs University Bremen
Co-Authors: Hsuan-Ting Huang and Iannis Aifantis, New York University Sackler Institute

Rachael Turner ...................... 11:30 AM, Westover
Presentation Title: Synthesis of a Seco-ring C Derivative of Stepholidine as a Potential Dopamine D3 Receptor Antagonist
Research Mentor: Wayne W. Harding
Research Institution: Hunter College
Home Institution: SUNY Binghamton
Co-Authors: Satish Gadiya, Nirav Kapadia and Wayne W. Harding, Hunter College

Rasaan Turner ....................... 5:30 PM, Springdale II
Presentation Title: Millennial Musings: The Influence of Racial/Ethnic Identity on Music Consumption Behaviors Among the “Millennial” Generation
Research Mentor: Kiri Miller
Research Institution: Brown University
Home Institution: Tougaloo College
Co-Authors: Kiri Miller, Brown University

Jonathan Ueki......................... 12:30 PM, High Ridge
Presentation Title: Characterizing the Force Between Z3 Strings
Research Mentor: Mark Alford
Research Institution: Washington University in St. Louis
Home Institution: Harvey Mudd College
Co-Authors: Mark Alford, Andreas Windisch and Kumar Mallavarapu, Washington University in St. Louis

Erik Ugalde ............................ 12:30 PM, Waterside
Presentation Title: Common Core: The New Labyrinth
Research Mentor: Kenji Hakuta
Research Institution: Stanford University
Home Institution: San Jose State University
Co-Authors: Kenji Hakuta, Stanford University
Hector Vargas-Acevedo .......... 3:45 PM, Long Ridge
Presentation Title: Role of agr Quorum Sensing Gene in the Induction of Staphylococcal Resistance to Antimicrobial Agents
Research Mentor: Bo Shopsin
Research Institution: New York University Sackler Institute
Home Institution: UPR-Mayaguez
Co-Authors: Bo Shopsin, Krishan Kumar and Yi Li, New York University Sackler Institute
AB

Marilyn Vasquez ................. 3:15 PM, Aspen II
Presentation Title: Identifying Genetic Regulators of the LukAB Toxin in Staphylococcus Aureus
Research Mentor: Victor Torres
Research Institution: New York University Sackler Institute
Home Institution: Yale University
Co-Authors: Victor Torres, Divya Balasubramanian and Elizabeth Ohneck, New York University Sackler Institute
BB

Anthony Velázquez ............... 3:00 PM, Springdale I
Presentation Title: The Faces of Puerto Rico: Public Perception of Phenotype and Experienced Identity
Research Mentor: Alison Booth
Research Institution: University of Virginia
Home Institution: UPR-Rio Piedras
Co-Authors: Alison Booth, University of Virginia - BioMedical Sciences
SS

Donte’ Verrill-Huffman .......... 5:30 PM, High Ridge
Presentation Title: Nonluminance-Mediated Changes in Pupil Diameter and its Relationship with Synchronized Neural Firing
Research Mentor: Joshua Gold
Research Institution: University of Pennsylvania
Home Institution: Morehouse College
Co-Authors: Joshua Gold, University of Pennsylvania
AB

Ashley Viera-Ortiz ............... 5:30 PM, Aspen II
Presentation Title: Biochemical and Molecular Analysis of Subcellular Fractions of ALS/FTD Brains
Research Mentor: Edward Lee
Research Institution: University of Pennsylvania
Home Institution: UPR-Mayaguez
Co-Authors: Edward Lee and Elaine Liu, University of Pennsylvania
AB

Camila Villasante.................. 11:45 AM, Aspen I
Presentation Title: Sequence Preference of the Human DNA Transposase PGBD5
Research Mentor: Alex Kentsis
Research Institution: Weill Cornell Medical College
Home Institution: Johns Hopkins University
Co-Authors: Alex Kentsis, Anton Henssen and Eileen Jiang, Weill Cornell Medical College
BB

Andres Villegas .................... 5:45 PM, Elm I
Presentation Title: Role of a Cell Cycle Regulator in Subcortical Parvalbumin Interneurons: Implication for Schizophrenia
Research Mentor: Holly Moore
Research Institution: Columbia University
Home Institution: Rutgers University
Co-Authors: Holly Moore, Columbia University
AB

Zaire Wade ....................... 12:00 PM, Long Ridge
Presentation Title: The Energy Saving Potential of Reduced Accuracy Computation On Mobile Systems
Research Mentor: Henry Hoffmann
Research Institution: University of Chicago
Home Institution: Norfolk State University
Co-Authors: Henry Hoffman, University of Chicago
PS

Samantha Walker ................... 12:30 PM, Glenbrook
Presentation Title: Cryogenic Testing for BICEP3
Research Mentor: Chao-Lin Kuo
Research Institution: Stanford University
Home Institution: Fordham University
Co-Authors: Chao-Lin Kuo, Keith L. Thompson and Val Monticue, Stanford University
PS

Maurice Whalen, Jr ............... 3:45 PM, Glen III
Presentation Title: Does the Arterial Natriuretic Peptide Attenuate Agonist-Induced Pulmonary Edema Through Natriuretic Peptide Receptor-C?
Research Mentor: Elizabeth Harrington
Research Institution: Brown University
Home Institution: Tougaloo College
Co-Authors: Huetran Duong, Randy Alsabe and Elizabeth Harrington, Brown University
AB
Alexander White .................. 3:15 PM, Springdale II
Presentation Title: Agree to Disagree: Achieving Productive Moral Discussion in the Face of Controversy
Research Mentor: Sarah McGrath
Research Institution: Princeton University
Home Institution: University of Washington
Co-Authors: Sarah McGrath, Princeton University

James Wondra ..................... 4:00 PM, Elm I
Presentation Title: Determining the Role of LXR Alpha/Beta in Newly Recruited Macrophages During Atherosclerosis Regression
Research Mentor: Edward Fisher
Research Institution: New York University Sackler Institute
Home Institution: CSU Northridge
Co-Authors: Edward Fisher and Karishma Rahman, New York University Sackler Institute

Brandyn White ..................... 5:30 PM, Glen II
Presentation Title: Characterization of SETD2’s Catalytic Domain Mutations Implicated in Kidney Renal Clear Cell Carcinoma
Research Mentor: Minkui Luo
Research Institution: Weill Cornell Medical College
Home Institution: Hampton University
Co-Authors: Minkui Luo, Shi Chen and Kanshik Kapilashrami, Weill Cornell Medical College

Saidah Wright ..................... 4:45 PM, Elm I
Presentation Title: Effects of GABA(B) Agonist Baclofen on Locomotor Activity and Anxiety in a Mouse Model of Fragile X Syndrome
Research Mentor: Steven Siegel
Research Institution: University of Pennsylvania
Home Institution: Claflin University
Co-Authors: Steven Siegel, Duncan Sinclair and Rob Featherstone, University of Pennsylvania

Elyce Williams ..................... 2:45 PM, Belltown
Presentation Title: The Effects of Unconscious Awareness on Size-Depth Visual Illusions
Research Mentor: Joo-Hyun Song
Research Institution: Brown University
Home Institution: Hunter College
Co-Authors: Christine Gamble and Joo-Hyun Song, Brown University

Chih Ching Wu ..................... 11:15 AM, Glen I
Presentation Title: CRISPR Knockout Tandem Gene Pairs in Arabidopsis
Research Mentor: Alison DeLong
Research Institution: Brown University
Home Institution: San Jose State University
Co-Authors: Alison DeLong, Brown University

Heidi Williams ..................... 5:00 PM, Springdale I
Presentation Title: Scaling Up Social Belonging Interventions
Research Mentor: Gregory Walton
Research Institution: Stanford University
Home Institution: Indiana University-Bloomington
Co-Authors: Shannon Brady and Gregory Walton, Stanford University

Stephanie Wyche ................... 3:30 PM, Westover
Presentation Title: Size Dependence of Critical Heating and Cooling Rates in Bulk Metallic Glass Nano-roses
Research Mentor: Corey O’Hern
Research Institution: Yale University
Home Institution: Claflin University
Co-Authors: Corey O’Hern and Minglei Wang, Yale University

Jermaine Wilson ................... 2:45 PM, Glen III
Presentation Title: Fabricate Patient-Specific Left Atrial Appendage (LAA) from a Silicone Elastomer 3D
Research Mentor: Bobak Mosadegh
Research Institution: Weill Cornell Graduate School
Home Institution: Medgar Evers College CUNY
Co-Authors: Bobak Mosadegh, Guanglei Xiong and James K. Min, Weill Cornell Graduate School

Nadira Yusif ......................... 3:45 PM, Belltown
Presentation Title: Interference Effect on Visuomotor Rotational Adaptation and Recall
Research Mentor: Joo-Hyun Song
Research Institution: Brown University
Home Institution: UPR-Rio Piedras
Co-Authors: Tony Wang and Joo-Hyun Song, Brown University
Habib Zahir........................... 5:00 PM, Glenbrook
Presentation Title: The Role of Ubiquitin Inclusions in Post-Ischemic Brain Tissue/Neurons
Research Mentor: Karin Hochrainer
Research Institution: Weill Cornell Graduate School
Home Institution: Hunter College
Co-Authors: Karin Hochrainer, Weill Cornell Graduate School

Alyssa Zannella .........................12:15 PM, Cove I
Presentation Title: Poverty in U.S. Fiction
Research Mentor: William Gleason
Research Institution: Princeton University
Home Institution: University of Michigan-Ann Arbor
Co-Authors: William Gleason, Princeton University

Vladislav Zhitny..........................4:45 PM, Glen II
Presentation Title: The Role of Matrix Metalloproteinase 23 (MMP-23) in T-cell Effector Memory Responses to Melanoma
Research Mentor: Michelle Krogsgaard
Research Institution: New York University Sackler Institute
Home Institution: University of Nevada, Las Vegas
Co-Authors: Michelle Krogsgaard, Tianqi Li and Duane Moogk, New York University Sackler Institute

Cipriano Zuluaga ....................... 11:30 AM, Aspen I
Presentation Title: Determining the Role of Nucleolar Factors in Replication of DNA Viruses
Research Mentor: Matthew Weitzman
Research Institution: University of Pennsylvania
Home Institution: CSU San Marcos
Co-Authors: Matthew Weitzman and Emigdio Reyes, University of Pennsylvania
## Oral Presentations by Time

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<td>Philip Adejumo</td>
<td>Application of Pattern-Mixture Models for Missing Data in Longitudinal Studies</td>
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<td>Roy Anderson</td>
<td>Analyzing the Mechanical Properties of Three Polymer Based Vascular Grafts</td>
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<td>11:15 AM</td>
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<td>Rebecca Arteaga</td>
<td>Understanding the Amino Acid Requirements of a Simple Transmembrane Oncoprotein</td>
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<td>11:15 AM</td>
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<td>Gabriela Barrios</td>
<td>Varying Narratives: Traumatic Memory and Subversion in Nellie Campobello’s <em>Cartucho</em></td>
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<td>Evan Brooks</td>
<td>Characterization of Tissue Mineralization Defects in Fin Rays of Zebrafish Mutants</td>
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<td>Kelly Fogelson</td>
<td>The Role of Potential LXR Associated Factors Identified by Mass Spectrometry on LXR Mediated Gene Transcription</td>
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<td>The Cellular Localization of KRIT1</td>
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<td>11:15 AM</td>
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<td>Brittanie Lewis</td>
<td>The Iranian Woman in the Chador: Symbolic Representation of Nationhood in the 1970s</td>
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<td>11:15 AM</td>
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<td>Stephanie Matos</td>
<td>Cultures of Ethics in Engineering-for-Development (EfD) and Design-for-Development (DfD) University-Based Programs</td>
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<td>Monique McClain</td>
<td>Lagrangian Coherent Structures in High-Speed Premixed Turbulent Reacting Flows</td>
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<td>Jared Mitchell</td>
<td>Sharpening the Image of the Universe</td>
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<td>Jessica Murdzek</td>
<td>Atomically Flat BaSnO3 Surface as a Novel Substrate for Epitaxial Films Growth</td>
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<td>Andrea Penman-Lomeli</td>
<td>Bodies that Work: Citizenship and the Rendering of Chicana/o Identity in Tomas Rivera’s “…y no se lo trago la tierra”</td>
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<td>Nucleolar Response and DNA Damage after Exportin-1 Inhibition</td>
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<td>Canessa Swanson</td>
<td>Characterization of linc-RNA Gas5 Binding Affinity to Glucocorticoid Receptor Through Mutagenesis</td>
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<td>Chih Ching Wu</td>
<td>CRISPR Knockout Tandem Gene Pairs in Arabidopsis</td>
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<td>Lindsey Burgess</td>
<td>The Effects of Neo-Colonialism on Late 20th Century Drug Trafficking in Nigeria</td>
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<td>Gabriela Canales</td>
<td>En’Cas’ing the Stress: Engineering a Human Cell Line Knockout of Heat Shock Response Coordinator Genes Using CRISPR Cas9 System</td>
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<td>(Re-)Examining Literacies: Native Authors of Early American Literature</td>
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<td>Alexis Clavijo</td>
<td>Development of Nanosphere Lithography for Nanomagnetism</td>
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<td>Defining a Non-coding RNA Transcriptome: Applying Hidden Markov Model (HMM) to Define the Non-coding Areas of a Genome</td>
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<td>Carbon Dioxide Conversion Using Reduced Graphene Oxide as a Support for Single-atom Metal Catalysts</td>
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<td>The Ins and Outs of Calreticulin Induction of ECM</td>
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<td>Ayanna Jones</td>
<td>Dynamics of Habitable Planets in the Triple-Star System Alpha Centauri</td>
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<td>Grace McKenzie-Smith</td>
<td>Antigen Development for Human and Mouse CENP-A and CENP-C</td>
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<td>Natasha Navejar</td>
<td>A Kinematic Analysis of Reaching in the Naturally Foraging Common Marmoset (Callithrix jacchus)</td>
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<td>Logistics of the Vitellogenin and Yolk Proteins in the Star, Patria miniata</td>
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<td>Rachael Turner</td>
<td>Synthesis of a Seco-ring C Derivative of Stepholidine as a Potential Dopamine D3 Receptor Antagonist</td>
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<td>Cipriano Zuluaga</td>
<td>Determining the Role of Nucleolar Factors in Replication of DNA Viruses</td>
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<td>Ouma Amadou</td>
<td>Constructing (Black) Girlhood: Assimilation, Americanization, or Ambivalence</td>
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<td>The Role of K63-Linked Ubiquitination in Telomere Cohesion</td>
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<td>Simulations of Detectability of Extrasolar Planets for Future Space Mission WFIRST</td>
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<td>Brandon Enriquez</td>
<td>Who Should Help Underprepared Students? The Effects of Limiting Remediation to Two-Year Colleges</td>
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<td>Matthew Fairchild</td>
<td>Civil War and Reconstruction Historiography: A Shift in Perspective</td>
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<td>Examining the Sub-Cellular Localization of the Ajuba Protein in Human Cells</td>
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<td>Measuring Dynamic Instability of Microtubules</td>
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<td>The Molecular Effects of In Utero Nicotine Exposure on C57BL/6 Mice and Their Progeny</td>
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<td>Libere Ndacayisaba</td>
<td>Exploring miRNA Silencing Mechanisms Using Machine Learning Algorithms to Discover Biologically-Relevant Pathway Nodes</td>
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<td>A Schrodinger-Poisson Solver for Oxide Interfaces</td>
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<td>Geospatial Characterization Of Distinct Metagenomic Landscapes</td>
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<td>Expression Screening of TRP Channels for Structural and Biochemical Studies</td>
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<td>Surveillance, Policing, and the Politics of Space in Superman Comic Books</td>
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<td>Sequence Preference of the Human DNA Transposase PGBD5</td>
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<td>Suppressor Analysis of Cold Sensitive Mutations in the ATPase Prp43p</td>
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<td>Characterizing the Molecular Mechanisms of Diabetes by Using CRISPRs/CAS9</td>
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<td>Itza Beltran</td>
<td>The Effect of Vacuum Level and Water Charge on the Performance of Ultra-Thin Thermal Ground Planes</td>
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<td>ZBTB24: A Novel Protein Linking Pericentromeric Heterochromatinization to Centromeric Instability</td>
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<td>Mathematical Modeling of the NF-kB Signaling Pathway Using PySB</td>
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<td>Arielle Irizarry</td>
<td>Disassembling Logic With Historical Context and Feeling in 20th to 21st Century Literature</td>
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<td>What Counts as Bullying?: Ethnic and Gender Differences in Adolescents' Interpretations of Peer Victimization</td>
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<td>Amra Marshall</td>
<td>Social Support and Educational Attainment: The Pursuit of Academic Achievement in African American Male College Freshman</td>
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<td>Mass Spectrometric Analysis of De novo Assembled Transcriptomes</td>
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<td>Generating a CRISPRi System to Study the Function of IncRNAs in AML</td>
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<td>Alyssa Zannella</td>
<td>Poverty in U.S. Fiction</td>
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<td>Should I Stay or Should I Go: Screening for Regulators of Mitochondrial Motility</td>
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<td>Roles of Ubiquitination and Deubiquitination in the Regulation of the DNA Damage Recognition Factor XPC</td>
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<td>Characterization of ER Stress Mediated ARPE Cell Death Triggered by Lipofuscin Bisretinoid A2E</td>
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<td>Fostering Scientific Identity in Underrepresented Minorities Through Informal Science Programs: The Role of PISEC</td>
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<td>Matheus Martins</td>
<td>Engineering a Selective DNA Sequestration Platform for Biomolecular Nanotechnology</td>
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<td>Nasib McIntosh</td>
<td>Some Vaster, Mightier Thing: Representations of Intimacy in Afrofuturist Literature</td>
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<td>12:30 PM</td>
<td>HU</td>
<td>Cheswayo Mphanza</td>
<td>Tha Block Is Hot: Gwendolyn Brooks’ Black Aesthetic</td>
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<td>Andria Palmer</td>
<td>Radiation Modeling in GEO and Jupiter Radiation Environments</td>
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<td>Ricardo Perez Dulzaides</td>
<td>TET Enzyme Variants as Tools to Understand Cytosine Epigenetic Modifications</td>
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<td>Paclitaxel Effect on Nuclear Envelope Morphology in Different Ovarian Cancer Cell Lines</td>
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Camilla Castro: Characterizing the Role of Herpes Simplex Virus Type 1 Protein Kinase Us3 in Regulating mRNA Translation
Kelvin De Leon: Ascending and Descending Alcohol Effects in Healthy Volunteers
Linda Egbosiuba: Determination of GCH1 Copy Number Variation in Field Samples from Nigeria
Keishla Figueroa Colón: Micro RNA-93 Targets IRF9 to Regulate Macrophage Polarization
Katherine Gonzalez: The Effect of RAGE in the Immune Response to High Fat Feeding
Hamilton Green: Understanding the Role of the Metabolite Sensors YpdAB and YehUT in Uropathogenic Escherichia coli Adherence and Biofilm Formation
Mateo Hernandez: Intracellular Vesicular Interactions During Salmonella Infection
Ehiremen Iyoha: The Role of SDF1B in the Development of the Hypobronchial Artery in Zebrafish
Raymond Lopez-Rios: Hyperspectral Coherent Diffractive Imaging Using Ptychography
Ana Maldonado: Intimate Partner Violence: The Effects of Perpetrator Characteristics on Treatment Engagement and Outcome
Blanca Ramirez: Is Adolescent Intimate Partner Violence a Learned Behavior? Insights from the Fragile Families Study
Andrew Thompson: Identification of Cellular Factors That Restrict ChiKV Replication
Paulina Toro Isaza: Subnational Variation of Federal and Local State Capacity in Colombia
Hector Vargas-Acevedo: Role of agr Quorum Sensing Gene in the Induction of Staphylococcal Resistance to Antimicrobial Agents
Maurice Whalen, Jr.: Does the Arterial Natriuretic Peptide Attenuate Agonist-Induced Pulmonary Edema Through Natriuretic Peptide Receptor-C?
Nadira Yusif: Interference Effect on Visuomotor Rotational Adaptation and Recall
Rachel Brown: Examining the Role of p300 in Endotoxin Tolerance in Monocytes
Kiana Dash: Effect of Emotional State on Self Control in the Presence of Appetetive Cues
Luis Duarte: Common Air Pollutants Impact Surface Proteins of Airborne Fungi and Pollens
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<td>Andres Villegas</td>
<td>Role of a Cell Cycle Regulator in Subcortical Parvalbum Interneurons: Implication for Schizophrenia</td>
</tr>
</tbody>
</table>
## Oral Presentations by Room

### Alder, AB/BB
**11:15 am - 5:45 pm**

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<thead>
<tr>
<th>Panelist</th>
<th>Title</th>
<th>Time</th>
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<tbody>
<tr>
<td>Evan Brooks</td>
<td>Characterization of Tissue Mineralization Defects in Fin Rays of Zebrafish Mutants</td>
<td>11:15 AM</td>
</tr>
<tr>
<td>Natasha Navejar</td>
<td>A Kinematic Analysis of Reaching in the Naturally Foraging Common Marmoset (Callithrix jacchus)</td>
<td>11:30 AM</td>
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<tr>
<td>Anna Morales</td>
<td>The Molecular Effects of In Utero Nicotine Exposure on C57BL/6 Mice and Their Progeny</td>
<td>11:45 AM</td>
</tr>
<tr>
<td>Daniel Tirado</td>
<td>Diurnal CORT Circulation Influences Conditioned Fear Extinction Learning and Fear Renewal</td>
<td>12:00 PM</td>
</tr>
<tr>
<td>Daniel Perez</td>
<td>Analyzing the Effects of Parental Dietary Stressors on Embryonic Development in C. Elegans</td>
<td>12:15 PM</td>
</tr>
<tr>
<td>Joanna Hurtado</td>
<td>Characterization of ER Stress Mediated ARPE Cell Death Triggered by Lipofuscin Bisretinoid A2E</td>
<td>12:30 PM</td>
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<tr>
<td>Stephany Caicedo</td>
<td>Understanding the Interaction Between Anthrax Lethal Factor and MAP Kinase Substrates</td>
<td>2:45 PM</td>
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<tr>
<td>Daymond Parrilla</td>
<td>Monitoring Plk4 Kinase Activity in Living Cells</td>
<td>3:00 PM</td>
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<tr>
<td>Andrew Hart</td>
<td>Molecular Dissection of the Complement-like Pathway in Anopheles Mosquitoes</td>
<td>3:15 PM</td>
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<tr>
<td>Emmanuella Egbonim</td>
<td>Optimization of PCR for Oxalobacter Formigenes Group 2</td>
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<tr>
<td>Keishla Figueroa Colón</td>
<td>Micro RNA-93 Targets IRF9 to Regulate Macrophage Polarization</td>
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<tr>
<td>Benny Marin-Acevedo</td>
<td>Differential Expression of Micro-RNAs in Hypertrophic Cardiomyopathy Mouse Model</td>
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<tr>
<td>Logan Northcutt</td>
<td>Manipulating Chemokines and TBF-Beta to Enhance Neutrophil Killing and Reduce Metastasis</td>
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<tr>
<td>Russell Arellanes</td>
<td>MIF’s Role in Cancer Metastasis Through the Regulation of Fibronectin, Collagen Crosslinking, and Myeloid Cell Infiltration</td>
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<tr>
<td>Kelcee Everette</td>
<td>Uncovering Heterogeneity in the Motility of Breast Cancer Cells</td>
<td>5:15 PM</td>
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<tr>
<td>Osvaldo Rivera</td>
<td>Roles of BRCA2 and SLX4 in Replication-Stress-Induced Genomic Break Sites</td>
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<tr>
<td>Hector Galvez</td>
<td>Mitochondrial Mass and Function in Breast Cancer: Significance for Cancer Subtyping and Treatment</td>
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### Aspen I, AB/BB
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<tr>
<td>Sarah Seto</td>
<td>Nucleolar Response and DNA Damage after Exportin-1 Inhibition</td>
<td>11:15 AM</td>
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<tr>
<td>Cipriano Zuluaga</td>
<td>Determining the Role of Nucleolar Factors in Replication of DNA Viruses</td>
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<tr>
<td>Camila Villasante</td>
<td>Sequence Preference of the Human DNA Transposase PGBD5</td>
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<tr>
<td>Rahul Sharma</td>
<td>Characterizing Novel Interactors of the Sin3B Complex and Their Roles in Transformation</td>
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<tr>
<td>Noah Bloch</td>
<td>Regulation of RAG2 Protein in Response to DNA Damage</td>
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<tr>
<td>Matheus Martins</td>
<td>Engineering a Selective DNA Sequestration Platform for Biomolecular Nanotechnology</td>
<td>12:30 PM</td>
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<tr>
<td>Ezekiel Bello</td>
<td>Entry Coreceptor use by SIV from Mustached Monkey, the Ancestor of HIV-1</td>
<td>2:45 PM</td>
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<tr>
<td>Assama Ketegou</td>
<td>The Effects of Pediatric SIV Infection on Neurogenesis</td>
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<td>Ambar Cajigas Hernandez</td>
<td>SIV Infection of Pigtail Macaque Monocytes-Derived Macrophages Induces Heme Oxygenase-1 Expression</td>
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<tr>
<td>Julia Heinze</td>
<td>Models for Herpes Simplex Virus Infection Using Human Embryonic Stem Cell Derived Neurons</td>
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<tr>
<td>Camilla Castro</td>
<td>Characterizing the Role of Herpes Simplex Virus Type 1 Protein Kinase Us3 in Regulating mRNA Translation</td>
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<td>Student Oral Presentations by ROOM</td>
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<tr>
<td><strong>Krystal Roggerson</strong></td>
<td>Investigating the Effects of Hepatitis C Virus-induced Exosomes on T Cells</td>
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<td><strong>Oluwatomiwa Awobayiku</strong></td>
<td>The Role of Focal Adhesion Kinase (FAK) in Pancreatic Cancer</td>
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<tr>
<td><strong>Kiara McDaniel</strong></td>
<td>Development of Melanoma 3D-Organoids: A New Preclinical Model for the Understanding and Treatment of Melanoma</td>
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<td><strong>Patrick Bruck</strong></td>
<td>Development of Neoantigen-Specific Vaccines for Pancreatic Cancer</td>
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<tr>
<td><strong>David Bunn</strong></td>
<td>Nucleoside Analogues Activated by Adenosine Kinase for the Treatment of Primary Effusion Lymphoma and Multiple Myeloma</td>
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### Aspen II, AB/BB
**11:15 am - 5:45 pm**

| **Canessa Swanson** | Characterization of linc-RNA Gas5 Binding Affinity to Glucocorticoid Receptor Through Mutagenesis | 11:15 AM |
| **Grace McKenzie-Smith** | Antigen Development for Human and Mouse CENP-A and CENP-C | 11:30 AM |
| **Pineal Bekere** | The Role of K63-Linked Ubiquitination in Telomere Cohesion | 11:45 AM |
| **Patrick Griffin** | ZBTB24: A Novel Protein Linking Pericentromeric Heterochromatinization to Centromeric Instability | 12:00 PM |
| **Sara Haile** | The Mystery Proteins of SCCmec Type V | 12:15 PM |
| **Kiana Annunziata** | Roles of Ubiquitination and Deubiquitination in the Regulation of the DNA Damage Recognition Factor XPC | 12:30 PM |
| **Shirley Jusino** | Role of the Human Parainfluenza Virus type 3 Fusion Machinery in Viral Growth in the Natural Host | 2:45 PM |
| **Tomaz Manzoni** | Modeling Interactions Between APOBEC3G and HIV Vif Polymorphs In Vivo | 3:00 PM |
| **Marilyn Vasquez** | Identifying Genetic Regulators of the LukAB Toxin in Staphylococcus Aureus | 3:15 PM |
| **Philip Frasse** | GlpQ- and Pce-Dependent Interactions Between Streptococcus pneumoniae and Haemophilus influenzae | 3:30 PM |
| **Andrew Thompson** | Identification of Cellular Factors That Restrict ChiKV Replication | 3:45 PM |
| **Trini Ochoa** | Revisiting Classical Definitions of Hemagglutinin Antigenic Sites Using Different H1N1 Strains | 4:00 PM |
| **Ruka Aderogba** | Screening for Genetic Suppressors of a C. elegans Model of ALS | 4:45 PM |
| **Cesar Dominguez** | Novel PPAR-Agonist Treatment of an Experimental Model of Sporadic Alzheimer’s Disease | 5:00 PM |
| **Jasmine Kaur** | Prostaglandin J2 alters Amyloid Precursor Protein (APP) Localization and Trafficking: Relevance to Alzheimers Disease | 5:15 PM |
| **Ashley Viera-Ortiz** | Biochemical and Molecular Analysis of Subcellular Fractions of ALS/FTD Brains | 5:30 PM |
| **Kelly Tellez** | Restoration of Neuropeptide Y Signaling in Mice Overexpressing Amyloid Precursor Protein | 5:45 PM |

### Belltown, HU/PE/SS
**11:15 am - 5:45 pm**

<p>| <strong>Andrea Penman-Lomeli</strong> | Bodies that Work: Citizenship and the Rendering of Chicana/o Identity in Tomas Rivera’s “...y no se lo trago la tierra” | 11:15 AM |
| <strong>Ouma Amadou</strong> | Constructing (Black) Girlhood: Assimilation, Americanization, or Ambivalence | 11:45 AM |
| <strong>Thuy Tran</strong> | The Vietnam/American War: Representation of the Enemy in Literature | 12:00 PM |</p>
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<tbody>
<tr>
<td>11:15 AM</td>
<td>Gabriela Barrios</td>
<td>Varying Narratives: Traumatic Memory and Subversion in Nellie Campobello's Cartucho</td>
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<tr>
<td>11:30 AM</td>
<td>Olivia Carpenter</td>
<td>(Re-)Examining Literacies: Native Authors of Early American Literature</td>
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<tr>
<td>11:45 AM</td>
<td>Joel Rhone</td>
<td>Surveillance, Policing, and the Politics of Space in Superman Comic Books</td>
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<tr>
<td>12:00 PM</td>
<td>Arielle Irizarry</td>
<td>Disassembling Logic With Historical Context and Feeling in 20th to 21st Century Literature</td>
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<tr>
<td>12:15 PM</td>
<td>Alyssa Zannella</td>
<td>Poverty in U.S. Fiction</td>
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<td>12:30 PM</td>
<td>Nasib McIntosh</td>
<td>Some Vaster, Mightier Thing: Representations of Intimacy in Afrofuturist Literature</td>
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<td>2:45 PM</td>
<td>Courtney Cooper</td>
<td>The Power of Social Class in Relationship Outlook</td>
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<td>3:00 PM</td>
<td>Adrienne Scott</td>
<td>American Perceptions of Welfare Policy and the Welfare Queen: An Analysis of Generosity Before and After the Great Recession</td>
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<td>3:15 PM</td>
<td>Jeremy Pagan</td>
<td>From Stereotype Threat To Violence: The Focus On Police &amp; Demonstrators During A &quot;Perfect Storm&quot;</td>
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<td>3:30 PM</td>
<td>Andrea Baltazar</td>
<td>Personality and Demographic Characteristics of Dropouts in a Longitudinal Study</td>
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<tr>
<td>3:45 PM</td>
<td>Ana Maldonado</td>
<td>Intimate Partner Violence: The Effects of Perpetrator Characteristics on Treatment Engagement and Outcome</td>
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<td>4:00 PM</td>
<td>Tamrin Stewart</td>
<td>Black President, Continued Black Suffering: Predicting African-American Political Behavior in the Post-Obama Era</td>
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<tr>
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<td>Clair Beltran</td>
<td>Fields of Difference: Differences in Usage and Perception of Urban Park Spaces</td>
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<td>5:00 PM</td>
<td>Oscar Hurtado</td>
<td>Mission Gentrification: Finding Spatial Meaningfulness and Cultural Identity in San Francisco</td>
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<td>Shemiah Curry</td>
<td>School Choice in Gentrifying Neighborhoods</td>
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<td>5:30 PM</td>
<td>Kayla Pinson</td>
<td>The Narrow Path to Justice: Amnesty and Memory in Post Apartheid South Africa</td>
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<td>Victoria Mogollon Montagne</td>
<td>Preparing for the Show: Ideologies of Children's Development at Two New York City Community Music Programs</td>
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<td>Brittanie Lewis</td>
<td>The Iranian Woman in the Chador: Symbolic Representation of Nationhood in the 1970s</td>
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<tr>
<td>Lindsey Burgess</td>
<td>The Effects of Neo-Colonialism on Late 20th Century Drug Trafficking in Nigeria</td>
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<tr>
<td>Matthew Fairchild</td>
<td>Civil War and Reconstruction Historiography: A Shift in Perspective</td>
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<td>Jonatan Perez</td>
<td>Closing the Door: LULAC and the Exclusion of Mexican Immigrants in San Antonio, Texas During the Great Depression</td>
<td>12:00 PM</td>
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<td>Sam Trejo</td>
<td>Foreign Aid, Fire-Arms, and Civil War</td>
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<td>Beverlin Del Rosario</td>
<td>The Relationship Between Sleep Disturbances and Emotion Dysregulation in Self-Harm Behavior</td>
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<td>Aja Evans</td>
<td>Learning and Transfer of Sequential Task Control Policies</td>
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<tr>
<td>Jamal Thorne</td>
<td>The Effects of Phrasing, Visualization, and Spatial Ability on Bayesian Reasoning</td>
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<td>Celia Ford</td>
<td>Status Judgments as a Function of the Interaction Between Facial Dominance and Social Context</td>
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<tr>
<td>Blanca Ramirez</td>
<td>Is Adolescent Intimate Partner Violence a Learned Behavior? Insights from the Fragile Families Study</td>
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<tr>
<td>Andrea Hernández-Vega</td>
<td>The Association of Methamphetamine Abuse and Poor Cognitive Flexibility in a Sample of Gay and Bisexual Men</td>
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<tr>
<td>Debanjan Roychoudhury</td>
<td>All Eyez on Me: Surveillance and Policing in West Harlem’s Neighborhood of Hamilton Heights</td>
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<tr>
<td>Felipe Huicochea</td>
<td>Perceptions of Mexican Restaurants in Yelp Reviews</td>
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<tr>
<td>Michael Menefee</td>
<td>Criminal Records, Race, and the Search for Work</td>
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<td>Madeleine Santizo</td>
<td>Eres Lo Que Comes: Ethnic Restaurants and the (Re)production of Cultural Identities in Upper Manhattan</td>
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<tr>
<td>Iliana De Santis</td>
<td>The Expansion of Comida Chatarra: An Analysis on Diet Change in Mexico</td>
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<tr>
<td>Rebecca Arteaga</td>
<td>Understanding the Amino Acid Requirements of a Simple Transmembrane Oncoprotein</td>
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<td>Gerardo Reyes Chavez</td>
<td>Logistics of the Vitellogenin and Yolk Proteins in the Sea Star, Patiria miniata</td>
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<tr>
<td>Tara Ramirez</td>
<td>Expression Screening of TRP Channels for Structural and Biochemical Studies</td>
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<tr>
<td>Amelia Hallworth</td>
<td>Characterizing Forkhead Binding Specificity</td>
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<td>Rolando Garza</td>
<td>Phosphatidylinositol Phosphate Facilitates the TIE:Pleckstrin Homology-Domain Protein-Protein Interaction</td>
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<td>Jonuelle Acosta</td>
<td>Should I Stay or Should I Go: Screening for Regulators of Mitochondrial Motility</td>
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<td>Akinola Sogunro</td>
<td>Dendritic Cell Migration Within the Spleen Regulates the Induction of Red Blood Cell Alloimmunization</td>
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<td>Kajal Patel</td>
<td>Investigating the contribution of FIS to stress response and virulence in Yersinia</td>
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<td>Luis Cortina</td>
<td>Fatty Acid Oxidation Regulates Metabolic Adaptation to Low Glucose in Primary Human T-Cells</td>
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<td>Andrea Guzman</td>
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<td>Katherine Gonzalez</td>
<td>The Effect of RAGE in the Immune Response to High Fat Feeding</td>
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<td>James Wondra</td>
<td>Determining the Role of LXR Alpha/Beta in Newly Recruited Macrophages During Atherosclerosis Regression</td>
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<td>Saidah Wright</td>
<td>Effects of GABA(B) Agonist Baclofen on Locomotor Activity and Anxiety in a Mouse Model of Fragile X Syndrome</td>
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<td>Maria Navarro</td>
<td>Striatal Gene Expression Changes Associated with Sex-Specific Behavioral Deficits in Mouse Models of Autism</td>
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<td>Lesia Liao</td>
<td>Sex Differences in Anxiety-Like Behavior in Response to a Synthetic Cannabinoid</td>
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<td>Chibuokem Ikwuazom</td>
<td>SSRIs Upregulate Expression of 5-HT1A Receptor mRNA in the Dentate Gyrus of Major Depression Disorder Patients</td>
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<td>Couger Jaramillo</td>
<td>The Ins and Outs of Calreticulin Induction of ECM</td>
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<td>Victor Martinez</td>
<td>Examining the Sub-Cellular Localization of the Ajuba Protein in Human Cells</td>
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<td>Alissa DiMasi</td>
<td>The Effects of miR-138 on Nicotine Consumption and Preference</td>
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<td>Porfirio Fernandez</td>
<td>Characterization of miRNA Expression Profile Modified by a-Conotoxin in Chronic Constriction Injury Rat Model</td>
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<td>Erlyana Clarke</td>
<td>Interleukin-25-Activated Innate Lymphoid Cells in Sepsis</td>
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<td>Edgar Carlo</td>
<td>Endothelial Cell Barrier Lost by Angiopoietin 2 Levels in Indirect Acute Lung Injury Induced by Sepsis and Hemorrhage in Lung, Kidney and Liver Tissues</td>
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<td>The Role of Stat6 in Altering the Microbiota During Helminth Infection</td>
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<td>Mateo Hernandez</td>
<td>Intracellular Vesicular Interactions during Salmonella Infection</td>
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<td>Emily Linton</td>
<td>Analysis of Helicobacter pylori Growth and Protein Secretion under Multiple Culture Conditions</td>
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<td>Chimdiya Onwukwe</td>
<td>Exploring Nicotine Induced Aversion in Projections from the Interpenduncular Nucleus to the Dorsal Raphe Nucleus</td>
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<td>Novel Suppressor Inhibits G-protein Coupled Receptor Signaling in Serotonergic Neurons</td>
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<td>Christopher Lites</td>
<td>Effects of Epigallocatechin Gallate on Astrocyte Activation In METH-induced Toxicity</td>
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<td>Katherine Lopez</td>
<td>BDNF Prodomain Polymorphism Val66Met Induces Neuronal Changes</td>
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<td>Wisberty Gordian Velez</td>
<td>In vitro Synaptogenesis in Micro-Tissue Engineered Neural Networks</td>
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<td>CRISPR Knockout Tandem Gene Pairs in Arabidopsis</td>
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<td>Gabriela Canales</td>
<td>En’Ca’s ing the Stress: Engineering a Human Cell Line Knockout of Heat Shock Response Coordinator Genes Using CRISPR Cas9 System</td>
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<td>Libere Ndacayisaba</td>
<td>Exploring miRNA Silencing Mechanisms Using Machine Learning Algorithms to Discover Biologically-Relevant Pathway Nodes</td>
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<td>Julie Trolle</td>
<td>Generating a CRISPR System to Study the Function of IncRNAs in AML</td>
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<td>The Role of Lipid Phosphatase SHIP In Skeletal Development</td>
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<td>Giovanni Calixte</td>
<td>Chondrogenesis Deficiency in Matrilin-1 Knock-out Mice</td>
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<td>Prisca Obi</td>
<td>Characterization of Murine Model of Osteogenesis Imperfecta Type VII in CRTAP Deficient Male Mice</td>
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<td>Evelyn Campbell</td>
<td>The Influence of Interferon Stimulated Genes Ifi44 and Ifi27l2a on the Thermogenic Capacity of Brown Adipocytes</td>
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<td>Hamilton Green</td>
<td>Understanding the Role of the Metabolite Sensors YpdAB and YehUT in Uropathogenic Escherichia coli Adherence and Biofilm Formation</td>
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<td>Ololade Sanusi</td>
<td>Study of Novel and Ultra Rare Arrhythmogenic Gene Variants in Sudden Unexplained Deaths</td>
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<td>Nikaela Bryan</td>
<td>Fluorinated Bromothymol Blue: A Cerenkov-Absorbing Molecular Probe for In-Vitro pH Measurement of Tumor Microenvironment</td>
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<td>Tiarra Joell</td>
<td>Defining Asthma Pathology Associated with Airway Acidification Through a Molecular Window of the Ovarian Cancer G Protein-Coupled Receptor 1</td>
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<td>Nicolas Balbi</td>
<td>Ultrasound Molecular Imaging for the Quantification of Endothelial Cell Receptor Expression During Tumor Angiogenesis</td>
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<td>Jackson Allen</td>
<td>Modeling Secondary AML Through In vitro Characterizations of Combined IDH and JAK-STAT Activation Mutations</td>
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<td>Aaron Hudson</td>
<td>An Analysis of the Interaction Between Obesity and Measures Predicting Prostate Cancer-Free Survival</td>
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<tr>
<td>Philip Adejumo</td>
<td>Application of Pattern-Mixture Models for Missing Data in Longitudinal Studies</td>
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<td>Lester Dela Cruz</td>
<td>Defining a Non-coding RNA Transcriptome: Applying Hidden Markov Model (HMM) to Define the Non-coding Areas of a Genome</td>
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<td>Michael Pineda</td>
<td>Geospatial Characterization Of Distinct Metagenomic Landscapes</td>
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<td>Mathematical Modeling of the NF-kB Signaling Pathway Using PySB</td>
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<td>Huong Tang</td>
<td>Mass Spectrometric Analysis of De novo Assembled Transcriptomes</td>
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<td>Chrystal Thomas</td>
<td>Shooting Blanks: Optimizing Mass Spectrometery Metabolomics Methods via Analysis of Injection Blank Effects</td>
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<td>Binh Nguyen</td>
<td>Studying the Localization and Dynamics of Adherens Junction Proteins in Epithelial Cells Under Force</td>
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<td>Laura Ritenour</td>
<td>Probing the Role of Adipocyte mTORC2 in Whole-Body Metabolism and Cold-Induced Thermogenesis</td>
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<td>David Molina</td>
<td>Area-level Determinants of Blood Pressure Across the Life Course</td>
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<td>Lauren Caton</td>
<td>Predictors of Weight Loss Magnitude in Johns Hopkins Weight Management Center Patients</td>
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<td>Kiara Berrios</td>
<td>eNOS-derived Nitric Oxide Regulates Lipid Metabolites in Restricted Diet</td>
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<td>Arnaldo Mercado-Perez</td>
<td>Metabolic Flux Analysis of Obesity-Associated Inflammation</td>
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<td>Vladislav Zhitny</td>
<td>The Role of Matrix Metalloproteinase 23 (MMP-23) in T-cell Effector Memory Responses to Melanoma</td>
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<td>Denise Aquino</td>
<td>Targeting the Cancer Stem Cell Population in Pancreatic Ductal Adenocarcinoma with BET and MEK Inhibitors</td>
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<td>Ron Nwumeh</td>
<td>The Role of TERT Promotor Mutations in Oncogenesis</td>
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<td>Brandyn White</td>
<td>Characterization of SETD2’s Catalytic Domain Mutations Implicated in Kidney Renal Clear Cell Carcinoma</td>
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<td>Grace Milburn</td>
<td>Investigating the Role of CXCR4 in T-Cell Acute Lymphoblastic Leukemia</td>
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<td>The Role of Potential LXR Associated Factors Identified by Mass Spectrometry on LXR Mediated Gene Transcription</td>
<td>Kelly Fogelson</td>
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<td>Modeling the Distribution of ChIP Pol II Along a Gene</td>
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<td>Examining the Mechanism of ADAR1 Mediated ISG Regulation</td>
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<td>Role of Epigenetic Proteins in Maintaining Programs of Endothelial Cell Gene Expression Under Basal Conditions</td>
<td>Diana Aponte Colon</td>
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<td>TET Enzyme Variants as Tools to Understand Cytosine Epigenetic Modifications</td>
<td>Ricardo Perez Dulzaides</td>
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<td>Fabricate Patient-Specific Left Atrial Appendage (LAA) from a Silicone Elastomer 3D</td>
<td>Jermaine Wilson</td>
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<td>Influence of Substrate Stiffness on Cardiomyocyte Behavior</td>
<td>Sierra Atwater</td>
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<td>The Role of Smooth Muscle Cell Mineralocorticoid Receptor in Cardiac Aging and Atrial Fibrillation</td>
<td>Patrick Donegan</td>
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<td>qPCR Validation of Asthma-Associated Genes Differentially Expressed in Airway Smooth Muscle Cells in Response to IL-13 and IL-17</td>
<td>Gabrielle Akcelik</td>
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<td>Does the Arterial Natriuretic Peptide Attenuate Agonist-Induced Pulmonary Edema Through Natriuretic Peptide Receptor-C?</td>
<td>Maurice Whalen, Jr.</td>
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<td>Evaluating the Efficacy of Silk Sponge Patches for In Vivo Repair of the Heart Following Myocardial Infarction Using Immunohistochemistry</td>
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<td>Radiation Modulates Inflammation and Immunity in Aged Trp53 Null Mammary Carcinogenesis</td>
<td>Julie Dorland</td>
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<td>Mediation of Chemoresistance by ALOX5 in Acute Myeloid Leukemia</td>
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<td>AMIGO2 is a Novel Therapeutic Target in Melanoma</td>
<td>Ari Morgenstern</td>
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<td>Determining the Mechanism of Resistance to Akt Inhibitors in Breast Cancer</td>
<td>Kelsey Gallant</td>
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<td>Anticancer Activity of Novel DCLK1 Inhibitors in Neuroblastoma Cells</td>
<td>Jeffrey Boakye</td>
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**Glenbrook EN/PS**

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<td>Lagrangian Coherent Structures in High-Speed Premixed Turbulent Reacting Flows</td>
<td>Monique McClain</td>
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<td>Development of Nanosphere Lithography for Nanomagnetism</td>
<td>Alexis Clavijo</td>
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<td>Growth of Nanorod Arrays with Controlled Geometries</td>
<td>Valeria Aucapina</td>
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<td>The Effect of Vacuum Level and Water Charge on the Performance of Ultra-Thin Thermal Ground Planes</td>
<td>Itza Beltran</td>
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<td>Cryogenic Testing for BICEP3</td>
<td>Samantha Walker</td>
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<td>Treatment of Water with Modified MFI Zeolites and UV Radiation</td>
<td>Armand Ngassam</td>
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<td>On the Study of Discriminants and Resultants of Polynomials over Finite Fields</td>
<td>Elena Malloy</td>
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<td>Augmenting the Edge Connectivity of Planar Straight Line Graphs to Two</td>
<td>Yauheniya Lahoda</td>
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<td>Corroborating the Involvement of Polymerase Beta in Non-Homologous End Joining via DNA Basic Local Alignment Search Tool</td>
<td>Shermaine Hutchins</td>
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<td>Determination of GCH1 Copy Number Variation in Field Samples from Nigeria</td>
<td>Linda Egbosiuba</td>
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<tr>
<td>Jessica Murdzek</td>
<td>Atomically Flat BaSnO3 Surface as a Novel Substrate for Epitaxial Films Growth</td>
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<td>Tyler Dunbar</td>
<td>Carbon Dioxide Conversion Using Reduced Graphene Oxide as a Support for Single-atom Metal Catalysts</td>
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<td>Michael Onyszczak</td>
<td>A Schrodinger-Poisson Solver for Oxide Interfaces</td>
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<td>Priscilla Torres</td>
<td>Single Atom Catalyst for Solar Fuel Production</td>
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<td>Alberto Ortiz</td>
<td>Synthesis of a Superlattice and LaNiO3 and Effect of Oxygen Annealing</td>
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<td>Jonathan Ueki</td>
<td>Characterizing the Force Between Z3 Strings</td>
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### High Ridge, AB/BB
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<tr>
<td>Brandon Hart</td>
<td>The Effects of EphB2 and EphrinB2 Knockouts with CRISPR/Cas9 in Spermatogonial Stem Cell Maintenance</td>
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<td>Kemi Akinnola</td>
<td>Generation of Lin28 Human Embryonic Stem Cell Reporter Line Using CRISPR Technique</td>
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<td>Jaqueline Serrano</td>
<td>Using Human Embryonic Stem Cells to Recapitulate Skin Development</td>
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<td>Jared Mitchell</td>
<td>Sharpening the Image of the Universe</td>
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<td>Ayanna Jones</td>
<td>Dynamics of Habitable Planets in the Triple-Star System Alpha Centauri</td>
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<tr>
<td>Ashley Chontos</td>
<td>Simulations of Detectability of Extrasolar Planets for Future Space Mission WFIRST</td>
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<td>Zaire Wade</td>
<td>The Energy Saving Potential of Reduced Accuracy Computation On Mobile Systems</td>
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<td>Malik Hayes</td>
<td>Efforts Towards Maximum Performance Distributed Computation with Limited Power Budgets</td>
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<td>Andria Palmer</td>
<td>Radiation Modeling in GEO and Jupiter Radiation Environments</td>
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<td>Mariyah Pressley</td>
<td>Antibacterial Effects of Substrate Composition</td>
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<td>Swathi Penumutchu</td>
<td>Impact of Antibiotics on Horizontal Gene Transfer in Vibrio Cholerae</td>
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<td>Monica Thapaliya</td>
<td>Role of Vitamin A Metabolism in Antimicrobial Response in Intestinal Paneth Cell</td>
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<td>Cesar Suarez</td>
<td>Testing the Efficacy of a Self-Assembling, Epitope-Based Vaccine That Was Designed to Reduce Systematic Chronic Inflammation</td>
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<td>Hector Vargas-Acevedo</td>
<td>Role of agr Quorum Sensing Gene in the Induction of Staphylococcal Resistance to Antimicrobial Agents</td>
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<td>Rachel Brown</td>
<td>Examining the Role of p300 in Endotoxin Tolerance in Monocytes</td>
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<td>Diana Arroyo</td>
<td>Counting Gonadotropin-Releasing Hormone Neurons in the Brains of Different Mouse Strains</td>
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<td>Rody Kingston</td>
<td>The Cellular Mechanisms Underlying the Effects of the Tail Suspension Test</td>
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<td>Jasmine Towns</td>
<td>Investigating Neuronal and Microglial Characteristics on Platinum Bulk Metallic Glasses</td>
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<td>Erin Hollander</td>
<td>Tau Immunotherapy for Alzheimer's Disease: Analyzing the Effects of Single and Multiple Epitope Vaccines on Astrocytes and Microglia</td>
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<td>Tiara Lacey</td>
<td>CaMKII Alpha Expression Patterns in the Mouse Ventral Segment Area</td>
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<td>Alina Scott</td>
<td>Research Toward a Comparison of Cherokee and Wampanoag Women's Antiremoval Petitioning</td>
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<td>Anthony Velázquez</td>
<td>The Faces of Puerto Rico: Public Perception of Phenotype and Experienced Identity</td>
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<td>Nnaemeka Ofodire</td>
<td>Challenges for Renewable Energy Implementation in Sub-Saharan Africa</td>
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<td>Aleena Khan</td>
<td>American Public Opinion of the United States' Standpoint on the Palestinian-Israeli Conflict</td>
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<td>Paulina Toro Isaza</td>
<td>Subnational Variation of Federal and Local State Capacity in Colombia</td>
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<td>Courtney Scott</td>
<td>Plant Species Composition on Recent Landslides on the Front Range of Colorado: Relationship Between Soil Status and Plant Characteristics</td>
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<td>Juliana Cruz Martinez</td>
<td>Allophones in the Parallel Shift of /uw/ and /ow/ in the Philadelphia Dialect</td>
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<td>Heidi Williams</td>
<td>Scaling Up Social Belonging Interventions</td>
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<td>Syeda Malliha</td>
<td>What Factors Influence Public Opinion on Natural Disasters?</td>
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<td>Melissa Espinosa: What Influences Public Opinion on Immigrants and Immigration Policies?</td>
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<td>Mahmoud Jalloh: Reflections on Physics: Philosophy, the Limits of Reason, and the Human Perspective</td>
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<td>Victoria Ochoa: Latinos and the Media</td>
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<td>Rasaan Turner: Millennial Musings: The Influence of Racial/Ethnic Identity on Music Consumption Behaviors Among the &quot;Millennial&quot; Generation</td>
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<td>JoVaun Holmes: African Modernism? Gauging the Intersection of Race, Modernist Art Historical Studies, and the Idea of Authenticity</td>
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<td>3:30 PM</td>
<td>Rebecca Plessel: Identifying Self-Renewal Factors That Maintain Stem Cells in Drosophila Testes</td>
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<td>3:45 PM</td>
<td>Ehiremen Iyoha: The Role of SDF1B in the Development of the Hypobronchial Artery in Zebrafish</td>
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<td>4:00 PM</td>
<td>Anthony Guerrero: Paclitaxel Effect on Nuclear Envelope Morphology in Different Ovarian Cancer Cell Lines</td>
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<td>4:45 PM</td>
<td>Sarah Keltz: Colocalization of NMDA Receptor and Prion Protein in Mouse Primary Hippocampal Neurons</td>
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<td>5:00 PM</td>
<td>Prenicia Gant: Determining the Effects of Mutant Miro1 in the Neurons of a New Transgenic Mouse Model In Vivo</td>
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<td>5:15 PM</td>
<td>Chloe Lopez-Lee: The Influence of Estrogen Receptor Alpha on Hippocampal Phosphorylated TrkB Synaptic Plasticity</td>
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<td>5:30 PM</td>
<td>Donte’ Verrill-Huffman: Nonluminance-Mediated Changes in Pupil Diameter and its Relationship with Synchronized Neural Firing</td>
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<td>5:45 PM</td>
<td>Tania Ramos Santiago: Development of Gene Therapy for Leber’s Congenital Amaurosis due to RDH12 Mutations</td>
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<tr>
<td>11:15 AM</td>
<td>Stephanie Matos: Cultures of Ethics in Engineering-for-Development (EfD) and Design-for-Development (Dfd) University-Based Programs</td>
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<tr>
<td>11:45 AM</td>
<td>Brandon Enriquez: Who Should Help Underprepared Students? The Effects of Limiting Remediation to Two-Year Colleges</td>
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<td>12:00 PM</td>
<td>Tianjian Lai: What Counts as Bullying?: Ethnic and Gender Differences in Adolescents’ Interpretations of Peer Victimization</td>
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<td>12:30 PM</td>
<td>Erik Ugalde: Common Core: The New Labyrinth</td>
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<td>2:45 PM</td>
<td>Lilybeth Shields: The Gaming Effect: Why the Members of the Puerto Rican Gaming Community Acquire English More Easily Than Their Peers</td>
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<tr>
<td>3:00 PM</td>
<td>Christopher Mendoza: First Impressions: A Prosodic Analysis of Interactional Style and Social Perception</td>
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<tr>
<td>3:15 PM</td>
<td>Ariel Rosario: Examining the Effects of Divided Attention on Memory Retrieval After Different Learning Approaches</td>
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<td>3:30 PM</td>
<td>Sarah Master: Trauma-Related Symptoms and Reduced Gray Matter Volume in the Ventral Anterior Cingulate Cortex</td>
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<tr>
<td>Kelvin De Leon</td>
<td>Ascending and Descending Alcohol Effects in Healthy Volunteers</td>
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<tr>
<td>Kiana Dash</td>
<td>Effect of Emotional State on Self Control in the Presence of Appetitive Cues</td>
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<tr>
<td>Hannah Basta</td>
<td>Julia’s Nuptials: Free, Freed, and Slave Marriage in Late Fifth-Century Roman Law</td>
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<tr>
<td>Kerwin Holmes Jr.</td>
<td>Popular Ethics: Southern Christians and Slave Theology, 1830-1861</td>
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<tr>
<td>Amanda Bennett</td>
<td>Body Politics: Examining African American Social Invisibility Through Slave Burial Grounds and the Pre-Texts Reading Program</td>
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<tr>
<td>Isaiah Gibson</td>
<td>Just(us) and the Black Church: A Case Study of Social Justice in Harlem's St. Luke AME Church</td>
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<tr>
<td>Taylor Evans</td>
<td>&quot;We Are Here and We Will Not Be Silenced&quot;: Conflict, Resistance, and the Role of Transgender Women of Color during the Gay Liberation Movement, 1969-1974</td>
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**Westover EN/PS**
11:15 am - 4:00 pm

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<tr>
<th>Name</th>
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<tr>
<td>Roy Anderson</td>
<td>Analyzing the Mechanical Properties of Three Polymer Based Vascular Grafts</td>
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<tr>
<td>Rachael Turner</td>
<td>Synthesis of a Seco-ring C Derivative of Stepholidine as a Potential Dopamine D3 Receptor Antagonist</td>
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<tr>
<td>Salvador Montes</td>
<td>Measuring Dynamic Instability of Microtubules</td>
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<tr>
<td>Isaiah Speight</td>
<td>Chemoenzymatic Synthesis of Functionalized Galactooligosaccharides.</td>
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<tr>
<td>Carla Bezjian</td>
<td>Synthesis and Study of Bipyridal Troger's Base Complexes</td>
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<tr>
<td>Mike Lopez</td>
<td>Fostering Scientific Identity in Underrepresented Minorities Through Informal Science Programs: The Role of PISEC</td>
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<tr>
<td>Jason Hughes</td>
<td>Changes in Metallic Glass Thin Film Microstructures upon Annealing in Supercooled Liquid Region</td>
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<tr>
<td>Amanda Ramdular</td>
<td>Diversity Oriented Synthesis of a Novel Benzannulated Spiroketal Screening Library</td>
<td>3:00 PM</td>
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<tr>
<td>Susie Lira-Gonzalez</td>
<td>Ethnographic Analysis of First-Year Engineering Design Teams and Senior Engineering Design Teams</td>
<td>3:15 PM</td>
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<tr>
<td>Stephanie Wyche</td>
<td>Size Dependence of Critical Heating and Cooling Rates in Bulk Metallic Glass Nanorods</td>
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<tr>
<td>Raymond Lopez-Rios</td>
<td>Hyperspectral Coherent Diffractive Imaging Using Ptychography</td>
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<tr>
<td>Luis Duarte</td>
<td>Common Air Pollutants Impact Surface Proteins of Airborne Fungi and Pollens</td>
<td>4:00 PM</td>
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**Westover AB/BB**
4:45 pm - 5:45 pm

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<tr>
<th>Name</th>
<th>Title</th>
<th>Time</th>
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<tbody>
<tr>
<td>Thibaut Pardo</td>
<td>Behavioral Effects of a Novel Kappa Opioid Receptor Antagonist, LY2444296</td>
<td>4:45 PM</td>
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<tr>
<td>Stephanie Capsuto</td>
<td>The Role of Cav 1.3 L-type Ca2+ Channels in Cocaine-induced Activation of CREB. CaMKIIG Translocation to the Nucleus to Activate CREB</td>
<td>5:00 PM</td>
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<tr>
<td>Nayib Gloria</td>
<td>Electrophysiological Responses to Decreased Contrast Sensitivity and Different Pattern Reversal Rates</td>
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<tr>
<td>Paige Leary</td>
<td>Clarifying Phenotypes of Glass Target Genes in Drosophila Photoreceptor Differentiation</td>
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<tr>
<td>Mario Rodriguez</td>
<td>Morphological and Behavioral Examination of Olfaction Recovery After Irritant Exposure in Mice</td>
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Poster Presentations by Name

Osasumwen Aimiwu, 3
Presentation Title: Activational Differences of Orexin Neurons in Binge Eating Prone and Binge Eating Resistant Female Rats
Research Mentor: Kimberlei Richardson
Research Institution: Howard University
Home Institution: UC Irvine
Co-Authors: Kimberlei Richardson and Amber Kimble, Howard University; James Brown, Morehouse College

Jasmine Alexander-Brookings, 66
Presentation Title: Analyzing Adolescent Attachment: The Association Between Peer Attachment and Youth's Relationships with Important Adults
Research Mentor: Nancy Deutsch
Research Institution: University of Virginia
Home Institution: University of Connecticut
Co-Authors: Nancy Deutsch, Valerie Futch and Shannon Varga, University of Virginia - Education Sciences

Adriana Alire, 52
Presentation Title: Effects of DLGAP1 Gene Knockdown via shRNA in Autism Spectrum Disorders
Research Mentor: Derek Dykxhoorn
Research Institution: University of Miami
Home Institution: New Mexico State University
Co-Authors: Derek Dykxhoorn, University of Miami

Christopher Animashaun, 30
Presentation Title: Chemotaxis of Pseudomonas Aeruginosa to Arginine Metabolism-Derived Compounds
Research Mentor: Jane E. Hill
Research Institution: Dartmouth College
Home Institution: University of Maryland, Baltimore County
Co-Authors: Theodore Mellors and Jane Hill, Dartmouth College

Brennan Boyle, 1
Presentation Title: The Role of ErbB2 and EGFR Kinase on Cardiac Hypertrophy Protein Expression
Research Mentor: Kathleen Gabrielson
Research Institution: Johns Hopkins University
Home Institution: Boston College
Co-Authors: Kathleen Gabrielson, Polina Sysa-Shah and Cullen Bray, Johns Hopkins University

Alaysia Brown, 67
Presentation Title: I Am Not My Hair: Experiences of Appearance-Related Harassment Within the Black Community
Research Mentor: Patrick Tolan
Research Institution: University of Virginia
Home Institution: University of San Diego
Co-Authors: Patrick Tolan and Joanna Lee Williams, University of Virginia - Education Sciences

Amirah Burton, 9
Presentation Title: The Interaction of Pain Sensation, Age, and Weight with Locomotor Performance in Rats Following Thoracic Contusive Spinal Cord Injury
Research Mentor: Jeffrey Datto
Research Institution: University of Miami
Home Institution: North Carolina A&T State University
Co-Authors: Jeffrey Datto, University of Miami

Robert Calco, 42
Presentation Title: Targeting of Arrhythmogenic Ion Channels by MicroRNA-365
Research Mentor: Peng Zhang
Research Institution: Brown University
Home Institution: Kalamazoo College
Co-Authors: Peng Zhang and Nedyalka Valkov, Brown University

Johnny Castillo, 24
Presentation Title: Tackling EGFR Inhibitor Resistance in Non Small Cell Lung Cancer
Research Mentor: Feng Cong
Research Institution: Novartis Institutes for BioMedical Research
Home Institution: Novartis Institutes for BioMedical Research
Co-Authors: Xiaomo Jiang and Feng Cong, Novartis Institutes for Biomedical Research

Kurt Castro, 6
Presentation Title: Multiplexed Detection of Sexually Transmitted Diseases Based On Rolling Circle Amplification
Research Mentor: Jeff Wang
Research Institution: Johns Hopkins University
Home Institution: George Washington University
Co-Authors: Ye Zhang and Jeff Wang, Johns Hopkins University

Poster Presentation Key: Name, Poster Number
Blake Chancellor, 38
Presentation Title: Dissecting the Role of ABIN1 in Programmed Cell Death
Research Mentor: Junying Yuan
Research Institution: Harvard University, Division of Medical Sciences
Home Institution: University of Tulsa
Co-Authors: Slawomir A. Dziedzic and Zhenyi Su, Harvard Medical School; Junying Yuan, Harvard University

Lauren Christopher, 31
Presentation Title: Associations Between Stature and Foraging Behavior in a Rainforest Hunter-Gatherer Population
Research Mentor: Nathaniel J. Dominy
Research Institution: Dartmouth College
Home Institution: Hunter College
Co-Authors: Vivek V. Venkataraman, Nathaniel J. Dominy and Kirk M. Endicott, Dartmouth College

Genesis Colon 54
Presentation Title: The Measurement of the Shear Stress-Deformation Behaviors of Sand and Synthetic Lightweight Aggregate Under Monotonic and Cyclic Loadings
Research Mentor: Genesis Ortiz
Research Institution: Tufts University
Home Institution: UPR-Rio Piedras
Co-Authors: Chris Swan and Matthew Masi-Phelps, Tufts University

Manju Connolly, 69
Presentation Title: Exploring the Role of Perceived Cognitive Load on the Vocabulary Performance of Students With and Without Disabilities in Middle School Science
Research Mentor: Michael Kennedy
Research Institution: University of Virginia
Home Institution: University of Minnesota-Twin Cities
Co-Authors: Michael Kennedy, University of Virginia - Education Sciences

Ana Defendini, 19
Presentation Title: Measurements of Spinal Motoneuron Excitability through F wave Analysis in Thenar Muscles Impaired by Spinal Cord Injury
Research Mentor: Christine Thomas
Research Institution: University of Miami
Home Institution: UPR-Rio Piedras
Co-Authors: Christine K Thomas and Bradley DeForest, University of Miami

Miranda Delgado, 5
Presentation Title: Effects of Radiation Therapy on Transforming Growth Factor Beta in Breast Cancer Prognosis
Research Mentor: Jennifer Hu
Research Institution: University of Miami
Home Institution: DePaul University
Co-Authors: Omar Nelson, Eunkyung Lee and Jennifer Hu, University of Miami

Nazia Denese, 65
Presentation Title: A Multimedia-Based Approach to Improving Vocabulary Performance of Middle School Science Students With and Without Disabilities
Research Mentor: Michael Kennedy
Research Institution: University of Virginia
Home Institution: Hunter College
Co-Authors: Michael Kennedy, University of Virginia - Education Sciences

Amanda Dortch, 62
Presentation Title: Effects of Sex Differences and Differing Light Cycles on Physical Activity Levels
Research Mentor: Rebecca Burwell
Research Institution: Brown University
Home Institution: Tougaloo College
Co-Authors: Rebecca Burwell, Valerie Estela and Methma Udawatta, Brown University

Christine Fisher 29
Presentation Title: Reactive Oxygen Species and Endothelial Function
Research Mentor: Ruhul Abid
Research Institution: Brown University
Home Institution: College of Staten Island CUNY
Co-Authors: Ruhul Abid, Bonnie Colantuono and Karla Reichert, Brown University

Zanah Francis, 23
Presentation Title: Characterization of Epulopiscium spp. Morphotype B Populations Using Multilocus Sequence Analysis
Research Mentor: Esther Angert
Research Institution: Cornell University
Home Institution: Cornell University
Co-Authors: Francine Arroyo and Esther Angert, Cornell University
Karina García Vazquez, 55
Presentation Title: Why “Do Not Touch”?
Research Mentor: Lisa Piazza
Research Institution: University of South Florida
Home Institution: UPR-Rio Piedras
Co-Authors: Lisa Piazza, University of South Florida

Sofia Gasperino, 10
Presentation Title: Role of the Chondroitin Sulfate (CS) Biosynthesis Pathway Enzymes in Axon-Glia Interaction
Research Mentor: Sudheendra Rao
Research Institution: Virginia Polytechnic Institute and State University
Co-Authors: Sudheendra Rao, University of Miami

Yohana Ghebrechristos, 7
Presentation Title: Effects of Polybrominated Diphenyl Ether (PBDE)-47 Exposure on DNA Methylation in Mouse Brain
Research Mentor: Wan-yee Tang
Research Institution: Johns Hopkins University
Home Institution: Cornell University
Co-Authors: Bonnie Yeung, James Limjyunawong and Wan-yee Tang, Johns Hopkins University

Khari Gilmore, 50
Presentation Title: Studies of V. Cholerae ToxR and ToxS Interactions in Response to Bile
Research Mentor: F. Jon Kull
Research Institution: Dartmouth College
Home Institution: Xavier University of Louisiana
Co-Authors: F. Jon Kull and Charles Midgett, Dartmouth College

Wesley Godfrey, 15
Presentation Title: Use of the Inspirotec as a Novel Sampler for Particulate Matter
Research Mentor: Kirsten Koehler
Research Institution: Johns Hopkins University
Home Institution: University of Texas at Austin
Co-Authors: Kirsten Koehler, Johns Hopkins University

Andrea Gutierrez Arango, 17
Presentation Title: Dramatic Changes in the Mortality and Lifespan Identified by Examination of Genealogical Records for Hanover, New Hampshire
Research Mentor: Ruth Craig
Research Institution: Dartmouth College
Home Institution: UMass Boston
Co-Authors: Nancy Wu, Emily Husson and Ruth Craig, Dartmouth College

Christiann Hill, 20
Presentation Title: Too Young to Be This Old: Regulation of Alternative Splice Sites that Lead to Progeria
Research Institution: Novartis Institutes for BioMedical Research
Home Institution: Novartis Institutes for BioMedical Research
Co-Authors: Susanne Swalley, Sarah Luchansky and Cheng Song, Novartis Institutes for Biomedical Research

Tatiana Hill, 58
Presentation Title: Perceiving Visual Cues for the Interpretation of Intact and Scrambled Objects
Research Mentor: George Alvarez
Research Institution: Harvard University
Home Institution: Amherst College
Co-Authors: Bria Long and George Alvarez, Harvard University

Errol Hunte Jr, 43
Presentation Title: Impact of Age on the Metabolism of the Anti-HIV Drug Maraviroc
Research Mentor: Namandje Bumpus
Research Institution: Johns Hopkins University
Home Institution: Brooklyn College CUNY
Co-Authors: Namandje Bumpus, Johns Hopkins University

Robyn Jasper, 37
Presentation Title: Discovering the Role of Red1 and Mmi1 in Fission Yeast Meiotic Gene Silencing
Research Mentor: Danesh Moazed
Research Institution: Harvard University, Division of Medical Sciences
Home Institution: University of Maryland, Baltimore County
Co-Authors: Emily Egan and Danesh Moazed, Harvard Medical School

Sherrall Jenkins, 48
Presentation Title: Transcriptional Regulation of Cardiac Sodium Channel SCN5A Expression
Research Mentor: Samuel Dudley
Research Institution: Brown University
Home Institution: Tougaloo College
Co-Authors: Samuel Dudley and Anyu Zhou, Brown University
Virnaliz Jimenez, 61
Presentation Title: Goddess in the Mirror? Girls’ Self-Worth and Mentoring
Research Mentor: Nancy Deutsch
Research Institution: University of Virginia
Home Institution: University of North Carolina Chapel Hill
Co-Authors: Nancy Deutsch and Valerie A Futch, University of Virginia - Education Sciences

Neco Johnson 60
Presentation Title: Exploring the Cognitive Mechanisms Underlying Memory Benefits of Wakeful Rest
Research Mentor: Dave Balota
Research Institution: Washington University in St. Louis
Home Institution: San Diego State University
Co-Authors: Peter Millar and David Balota, Washington University in St. Louis

Stephanie Kabeche, 47
Presentation Title: Characterization of a Prefusion-Specific Antibody that Recognizes a Quaternary, Cleavage-Dependent Epitope on the RSV Fusion Glycoprotein
Research Mentor: Jason McLellan
Research Institution: Dartmouth College
Home Institution: University of Miami
Co-Authors: Morgan Gilman and Jason McLellan, Dartmouth College

Paola Lopez, 13
Presentation Title: Engineering Biomagnetism for Diagnostics and Therapy
Research Mentor: Leon Xueliang Liu
Research Institution: Harvard University, Division of Medical Sciences
Home Institution: University of Arizona
Co-Authors: Leon Xueliang Liu, Jeffrey Way and Pamela Silver, Harvard Medical School

Beverly Lopez-Cancel, 63
Presentation Title: Do Parents Understand? Examining the Congruence Between Mothers’ and Sons’ Perceptions of Parental Practices
Research Mentor: Patrick Tolan
Research Institution: University of Virginia
Home Institution: UPR-Rio Piedras
Co-Authors: Patrick Tolan and Joanna Lee Williams, University of Virginia - Education Sciences

Kimberly Rose Madhwani, 32
Presentation Title: Enhancing the Expression of cJun to Promote Cortical Neuron Outgrowth
Research Mentor: Vance Lemmon
Research Institution: University of Miami
Home Institution: CSU Northridge
Co-Authors: Saloni Mehta and Vance Lemmon, University of Miami

Mahmoud Matar Abed, 2
Presentation Title: Characterizing Paper Platforms to Study The Effect of Interstitial Fluid Flow on 3D Cell Culturing
Research Mentor: Melody Swartz
Research Institution: University of Chicago
Home Institution: UPR-Humacao
Co-Authors: Melody Swartz and Luis Alonzo, University of Chicago

Elizabeth May, 39
Presentation Title: Investigating the Function of a Novel Actin/Spectrin Structure Discovered in Neuronal Axons by Super-Resolution Microscopy
Research Mentor: Xiaowei Zhuang
Research Institution: Harvard University
Home Institution: Rochester Institute of Technology
Co-Authors: Jiang He, Ruobo Zhou and Xiaowei Zhuang, Harvard University

So Min (Lori) Kim, 36
Presentation Title: Biochemical and Structural Studies of Sigma-1 Receptor Homologs
Research Mentor: Andrew Kruse
Research Institution: Harvard University, Division of Medical Sciences
Home Institution: Northwestern University
Co-Authors: Andrew Kruse, Harvard Medical School

Alicia Lee, 16
Presentation Title: Bosutinib-Loaded Nanofibers for Inhibiting Cancer Cell Migration
Research Mentor: Hai-Quan Mao
Research Institution: Johns Hopkins University
Home Institution: Rutgers University
Co-Authors: Hai-Quan Mao and Ji Suk Choi, Johns Hopkins University
Jamaarl Mercado Rivera 33
Presentation Title: Impact of Environmental Chemicals on Reproductive Health
Research Mentor: Monica Colaiacovo
Research Institution: Harvard University, Division of Medical Sciences
Home Institution: UPR-Aguadilla
Co-Authors: Luciann Cuenca, Nara Shin and Monica Colaiacovo, Harvard Medical School

Salma Mumuni, 22
Presentation Title: Sex Steroid Hormones Effect on p53 Expression in Prostate Cancer Lines
Research Mentor: Bernard Kwabi-Addo
Research Institution: Howard University
Home Institution: Western Michigan University
Co-Authors: Bernard Kwabi-Addo, Pamela Clarke and Roderick Davis, Howard University

Ashley Metelus, 64
Presentation Title: Does Quality Matter? The Association Between Youth Adult Relationships and Future Aspirations
Research Mentor: Nancy Deutsch
Research Institution: University of Virginia
Home Institution: University of South Florida
Co-Authors: Nancy Deutsch, Valerie Futch and Mark Yu, University of Virginia - Education Sciences

Naomi Morales-Medina, 11
Presentation Title: Do Lipids Promote Angiogenesis? A Study of Liposomes as a Drug Delivery Vehicle
Research Mentor: Phei Er Saw
Research Institution: Harvard University, Division of Medical Sciences
Home Institution: UPR-Rio Piedras
Co-Authors: Phei Er Saw, Omid Farokhzad and Harvard Medical School

Ashley Ngo, 41
Presentation Title: Is it Left or is it Right?: Investigating Novel Regulators of Left-Right Asymmetry
Research Mentor: Alex Schier
Research Institution: Harvard University
Home Institution: Williams College
Co-Authors: Tessa Montague and Alex Schier, Harvard University

Mahogany Oldham, 18
Presentation Title: Mechanistic Effects of Cigarette Smoke Exposure (CSE) and Acrolein on Lung Permeability
Research Mentor: Sharon Rounds
Research Institution: Brown University
Home Institution: Malone University
Co-Authors: Sharon Rounds, Julie Newton and Qing Lu, Brown University

Martha Ordonez, 34
Presentation Title: Temporal and Spatial Origin of Cortical Interneurons
Research Mentor: Corey Harwell
Research Institution: Harvard University, Division of Medical Sciences
Home Institution: Hunter College
Co-Authors: Miguel Turrero Garcia, Nicolas Gomez and Corey Harwell, Harvard Medical School

Taylor Patrick, 57
Presentation Title: Autonomous Behavioral Health Countermeasures for Spacelift
Research Mentor: Lorie Loeb
Research Institution: Dartmouth College
Home Institution: University of Maryland, Baltimore County
Co-Authors: Jay Buckey, Mark Hegel and Lorie Loeb, Dartmouth College

Gabriel Mpilla, 28
Presentation Title: The Interaction of the MADS-box Protein in Aquilegia Floral Development
Research Mentor: Elena Kramer
Research Institution: Harvard University
Home Institution: Delaware State University
Co-Authors: Lynn D. Holappa and Elena M. Kramer, Harvard University
Elizabeth Paul, 8
Presentation Title: Engineering a Sensor in S. Cerevisiae for Arabinose Utilization
Research Mentor: Nikhil Nair
Research Institution: Tufts University
Home Institution: University of Maryland, Baltimore County
Co-Authors: Venkatesh Gopinarayanan and Nikhil Nair, Tufts University

Miranda Petty, 59
Presentation Title: Investigating the Role of Interhemispheric Communication in Multiple Object Tracking
Research Mentor: George Alvarez
Research Institution: Harvard University
Home Institution: CSU Fullerton
Co-Authors: Roger Strong and George Alvarez, Harvard University

Kayla Prater, 21
Presentation Title: The Role of Stat3 in Bacterial Prostatitis and Prostatic Epithelial Proliferation
Research Mentor: Edward Schaeffer
Research Institution: Johns Hopkins University
Home Institution: University of Findlay
Co-Authors: Brian W. Simons and Edward M. Schaeffer, Johns Hopkins University

Keyera Randolph, 26
Presentation Title: Determining Cellular and Viral Interaction Partners of the Kaposi’s Sarcoma-Associated Herpesvirus Protein ORF55
Research Mentor: Marta Gaglia
Research Institution: Tufts University Graduate BioMedical Sciences
Home Institution: Saint Mary’s University
Co-Authors: Marta Gaglia and Hembly Rivas, Tufts University School of Graduate Biomedical Sciences

Josean Reyes, 53
Presentation Title: DNA-Polypeptide Complexes
Research Mentor: Matthew Tirrell
Research Institution: University of Chicago
Home Institution: UPR-Rio Piedras
Co-Authors: Matthew Tirrell, Lorraine León and Michael Lueckheide, University of Chicago

Bianca Romo, 44
Presentation Title: A Screen for Transmembrane Proteins that Promote Cell-Cell Fusion
Research Mentor: Elizabeth Chen
Research Institution: Johns Hopkins University
Home Institution: Saint Mary’s University
Co-Authors: Shuo Li, Khurts Shilagardi and Elizabeth Chen, Johns Hopkins University

Jiwon Seo, 27
Presentation Title: The Effects of Upstream Nucleotides on the Readthrough Rate of VEGF-Ax
Research Mentor: Victoria D’Souza
Research Institution: Harvard University
Home Institution: John Jay College of Criminal Justice CUNY
Co-Authors: Nico Wagner and Victoria D’Souza, Harvard University

Jean Serrano, 14
Presentation Title: Engineering Mechano-Activated Cellular Sensors
Research Mentor: Guillermo Garcia Cardena
Research Institution: Harvard University, Division of Medical Sciences
Home Institution: UPR-Mayaguez
Co-Authors: Guillermo García Cardena, Harvard Medical School

Michaela Siver, 46
Presentation Title: Identifying Antibodies for Imaging of Copper Transporter CTR1 in Enteroids
Research Mentor: Svetlana Lutsenko
Research Institution: Johns Hopkins University
Home Institution: Salve Regina University
Co-Authors: Hannah Pierson and Svetlana Lutsenko, Johns Hopkins University

Ashley St. John, 45
Presentation Title: Analysis of the Role of Tonic Inhibition Mediated by Extrasynaptic GABAA Delta Subunit Receptors in Binge Drinking Behavior and Its Effects
Research Mentor: Laverne Melon
Research Institution: Tufts University Graduate BioMedical Sciences
Home Institution: Lafayette College
Co-Authors: Jamie Maguire and Laverne Melón, Tufts University School of Graduate Biomedical Sciences
Kahealani Uehara, 25
Presentation Title: Metabolomic Analysis of Anti-cancer Drug, NCL-240, in Ovarian Carcinoma
Research Mentor: James Baleja
Research Institution: Tufts University Graduate BioMedical Sciences
Home Institution: Chaminade University of Honolulu
Co-Authors: James Baleja and Alexei Degterev, Tufts University School of Graduate Biomedical Sciences

Jennifer Vargas, 49
Presentation Title: pH Alters Epithelial Cell Susceptibility ot Psuedomonas Infection-Induced Cytotoxicity
Research Mentor: Brent Berwin
Research Institution: Dartmouth College
Home Institution: University of Miami
Co-Authors: Iviana Margot Torres Fernandez and Brent Berwin, Dartmouth College

Brenda Velasco, 12
Presentation Title: The Role of Granulysin in Bacterial Infections
Research Mentor: Judy Lieberman
Research Institution: Harvard University, Division of Medical Sciences
Home Institution: CSU Northridge
Co-Authors: Judy Lieberman, Harvard Medical School

Jose Velilla, 35
Presentation Title: Structural and Physiological Role of Conserved Cysteines in the TRPC4 Ion Channel
Research Mentor: Rachelle Gaudet
Research Institution: Harvard University
Home Institution: University of Florida
Co-Authors: Rachelle Gaudet and Jeffrey McArthur, Harvard University

Sara Whitlock, 40
Presentation Title: Reverse Transcription Activity of HIV-1 Heat Annealed vs. Nucleocapsid Annealed Reverse Transcription Initiation Complexes
Research Mentor: Victoria D'Souza
Research Institution: Harvard University
Home Institution: John Brown University
Co-Authors: Victoria D'Souza and Zehra Yildiz, Harvard University

Nia Williams, 4
Presentation Title: The Interactions of NADPH Oxidase Subunits 2, 4, Reactive Oxygen Species, Interleukin-17 and Peroxisome Proliferator Activated Receptor - Alpha in the Mouse Kidney During Angiotensin II Hypertension
Research Mentor: Dexter Lee
Research Institution: Howard University
Home Institution: Xavier University of Louisiana
Co-Authors: Dexter L. Lee, Ugoeze C. Ananaba and Joanne S. Allard, Howard University

Amber Williamson, 68
Presentation Title: Sisterly Support: The Links Between Mentor Quality and Mentee Perceived Program Effectiveness and Projected Goals
Research Mentor: Nancy Deutsch
Research Institution: University of Virginia
Home Institution: College of Charleston
Co-Authors: Nancy Deutsch and Valerie Futch, University of Virginia - Education Sciences

Qiu Chang Wu, 51
Presentation Title: Acquired Resistance for Helminth Infections in the Cuban Tree Frog O. Septentrionalis
Research Mentor: Jason Rohr
Research Institution: University of South Florida
Home Institution: The Colorado College
Co-Authors: Sarah Knutie and Jason Rohr, University of South Florida
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The Leadership Alliance congratulates the following Doctoral Scholars who have completed their PhDs or MD-PhDs. These Doctoral Scholars bring the total number of Leadership Alliance Doctoral Scholars to 338.

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Who’s Who at the Symposium

Geneva H. Baxter
Spelman College

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

Areas of Research: African American Literature and Early American Literature with emphasis on the Slave Narrative

Board/Committee standings: Leadership Alliance Membership Committee, Membership Committee Chair for College Language Association, member of several collegiate committees at Spelman College


Presented numerous papers and lectures on African American Literary topics, the First-year Experience, first-generation college students.

Jabar R. Bennett
Brown University

Dr. Bennett serves as associate dean of the Graduate School, associate dean for diversity in the Division of Biology and Medicine, and clinical assistant professor of medicine at The Warren Alpert Medical School of Brown University. In the Graduate School he is responsible for recruitment and coordinating professional development activities for graduate students and postdocs. In the Division of Biology and Medicine Dr. Bennett oversees the recruitment and advancement of medical students, faculty and trainees who are members of underrepresented groups. Prior to joining Brown he served on the faculty at Harvard Medical School and directed the Office for Multicultural Faculty Careers at Brigham and Women's Hospital. Previously, Dr. Bennett also served as Senior Director of Development for Life Sciences, Healthcare and Education Industry Partnerships with United Way of Massachusetts Bay (UWMB) in Boston, and as Research and Science Specialist in the Office for Diversity and Community Partnership at Harvard Medical School. Dr. Bennett received his B.S. in biology and minor in Spanish from North Carolina Agricultural and Technical (A&T) State University, and his Ph.D. in biomedical sciences from Meharry Medical College.

Anastacia Berzat
Novartis Institutes for BioMedical Research

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

Vanessa Toney Bobb MD/PhD is a child, adolescent and adult psychiatrist and a former Leadership Alliance scholar. Dr. Bobb completed an MD, PhD at Brown University in comparative physiology. Following medical school, she completed adult and child psychiatry residencies at New York Presbyterian Hospital, and completed public psychiatry fellowship at Columbia University Medical Center. Currently, Dr. Bobb's clinical and academic interests relate to mechanisms and processes by which biological and psychosocial factors mediate mental health etiology and treatment outcomes in under-served youth and adults. Dr. Bobb is committed to working collaboratively to promote research, early detection, improved treatment, and better access to quality mental healthcare. Dr. Bobb is immediate past Secretary of the Black Psychiatrists of Greater NY. She is an Executive Committee member of New York Public Psychiatry. Dr. Bobb is a Fellow of the American Psychiatric Association.

Elizabeth A. Bowman
*Vanderbilt University*

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

Travis Boyce
*University of Northern Colorado*

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

Joseph Brown
*Stanford University*

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

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Vanderbilt University

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

Arnaldo Diaz
University of Pennsylvania

Arnaldo J. Diaz, PhD, is the Assistant Dean for Research Training and Programs and Adjunct Assistant Professor of Pharmacology at the Perelman School of Medicine at the University of Pennsylvania. Dr. Diaz works with University leadership to develop and coordinate targeted recruitment strategies and to provide academic and professional career development for underrepresented minority trainees across the full spectrum of undergraduate, graduate and post-graduate programs in the biomedical sciences. In addition to serving as liaison to The Leadership Alliance, he directs the Summer Undergraduate Internship Program (SUIP) and the Post-Baccalaureate Research Education Program (PennPREP). He works closely with program members by advising them, monitoring their progress, and assisting them with the graduate school admission process and fellowships.

Denise Ellis
Alfred P. Sloan Foundation's Minority Graduate Scholarship Programs

Denise Ellis is the Program Manager for the Alfred P. Sloan Foundation's Minority Graduate Scholarship Programs, which NACME has administered since 2001. Since 2012, Mrs. Ellis has been responsible for the management of all aspects of the Minority Ph.D. (MPHD) and the Sloan Indigenous Graduate Partnership (SIGP) Programs, representing a portfolio of scholarship programs totaling $50 million.

Mrs. Ellis has more than 15 years of experience in educational and non-profit organizations, having served as financial administrator for the New York City Department of Education and as Budget Director for the US Fund for UNICEF prior to joining NACME.

She holds a B.A. degree in Languages & Linguistics from the University of the West Indies and an M.B.A in Finance from Baruch College, City University of New York.

Karina Evora
Vanderbilt University

Currently a graduate student at Vanderbilt University, Karina Evora earned her bachelor’s degree at the University of Miami in 2012, by way of Bryant University. Though she graduated with a concentration in Economics, she built a strong desire to work in the realm of education after several related experiences throughout her undergraduate career; namely the Upward Bound Program at Rhode Island College and the Kalulu Program at the University of Miami. These experiences have led to her position with the College Advising Corps at Brown University where she advised students of Charles E. Shea High School in Pawtucket. This work was specific to guiding students through the college application process but also to building a college going culture and providing early awareness to the underclassmen. Karina also spent multiple summers working with The
Leadership Alliance as the Leadership Alliance National Symposium (LANS) Project Assistant, where the emphasis of higher education and research opportunities for underrepresented students stimulated her decision to enroll in a post-baccalaureate program. Karina is currently enrolled in the Master’s of Education program in Higher Education Administration at Peabody College at Vanderbilt University and hopes to work on improving college access for underrepresented and low-SES background students following the completion of the program in May 2016.

Saul Fisher
*Mercy College*

Saul Fisher is Executive Director of Grants and Academic Initiatives, and Visiting Associate Professor of Philosophy, at Mercy College. Previously, he served as Interim Associate Provost for Academic Standards and Research. Before joining Mercy College, Fisher was Associate Provost and Adjunct Associate Professor of Philosophy at Hunter College (CUNY); Director of Fellowship Programs of the American Council of Learned Societies; and program officer at The Andrew W. Mellon Foundation, where his portfolio centered on instruction and curricular reform, information technology, and American universities abroad. Fisher received his AB in political science and philosophy from Columbia University, MA in philosophy from Rice University, and PhD in philosophy from the CUNY Graduate Center. He is recipient of Fulbright and Graham Foundation awards. He is a past president of HOPOS—the International Society for the History of Philosophy of Science and past chair of the American Philosophical Association's Committee on Non-Academic Careers.

Tiffani Fonseca
*American Society for Microbiology*

Tiffani Fonseca is the Fellowship Programs Coordinator in the Education Department of the American Society for Microbiology (ASM). She is responsible for four fellowship programs: the ASM/CDC Postdoctoral Research Fellowship, the ASM Robert D. Watkins Graduate Fellowship, the ASM Undergraduate Research Fellowship, the ASM-Undergraduate Research Capstone Program, along with the ASM Research Capstone Institute. Prior to working at ASM, she was the Outreach and Production Specialist/Program Coordinator at the Kuwait America Foundation and its affiliate (the Embassy of the State of Kuwait). Fonseca holds dual bachelor's degrees in Cognitive and Experimental Research in Psychology and Intercultural Communications. She has studied abroad in Accra, Ghana, and Roatan, Honduras, and conducted extensive research on blindsight, Parkinson’s disease, Alzheimer's disease, and for the National Survey of Student Engagement Report among others.

Isabel Geathers
*Columbia University*

Dr. Geathers is the current Assistant Dean for Academic Diversity at Columbia’s GSAS. Dr. Geathers graduated with her PhD in English from the University of Pennsylvania and went on to complete her postdoctoral work at Princeton University. Her research is centered in contemporary American and African American literature with a specialization in aesthetic theory and genre theory. Dr. Geathers has held positions with the McNair Scholars Program and is the former Senior Associate Director of the Institute for Recruitment of Teachers.

Alex Gil
*Columbia University*

Alex Gil is Digital Scholarship Coordinator for the Humanities and History at Columbia. He consults with faculty, students and the library on the impact of technology on humanities research, pedagogy and scholarly communications. Current projects include an open repository of syllabi for curricular research, an aggregator for digital humanities projects worldwide and other initiatives at the intersection of technology and the humanities. He is currently vice-chair of global-outlook::digital-humanities
(GO::DH) and the organizer of the THATCamp Caribe series. His scholarly heart remains betrothed to Caribbean Literature in the 20th Century.

Leislie Godo-Solo
Institute for the Recruitment of Teachers

Ms. Godo-Solo has served as the Associate Director of the Institute for Recruitment of Teachers (IRT) since 2002. She plays an integral role in every aspect of IRT from recruiting and selecting IRT scholars to counseling them and assisting students as they prepare graduate application materials. She holds a B.A. in Spanish from Cleveland State University and a M.A. degree in Spanish Literature from the University of Rhode Island. In 2007, Ms. Godo-Solo completed a Specialist of Education (Ed.S.) degree in Counseling and Student Affairs from Western Kentucky University. Her thesis, “Success Rates of Minority Educator Recruitment and Retention (MERR) Scholarship Recipients and Other Education Majors,” documents the efficacy of the MERR Scholarship Program and the importance of teacher education pipelines. She is a proud alumna of IRT (class of ’91) and deeply passionate about educational access as it pertains to recruitment and completion of graduate degrees, mentoring, and best practices regarding programs that ensure students’ success in graduate school.

Fred Gorelick
Yale University School of Medicine

Fred Gorelick, M.D. is a Professor of Medicine (Digestive Diseases) and Cell Biology at Yale University School of Medicine and a physician scientist who cares for patients and does research. He went to medical school and did a residency at the University of Missouri in Columbia followed by a GI fellowship at Yale University. Afterward, he trained in research with James D. Jamieson, MD, PhD at Yale and Paul Greengard, PhD at the Rockefeller University. His laboratory studies acute cell and tissue injury using models of pancreatitis and he is specifically interested in identifying pathologic signaling pathways that can be therapeutically targeted. He also works with Dr. Greengard’s group to examine the proteolytic generation of the protein responsible for Alzheimer’s disease. Dr. Gorelick has been the Acting Chief of the Digestive Diseases Section, the Digestive Diseases Research Training Program Director and is the Deputy Director of the Yale MD-PhD Program. Dr. Gorelick has also served as the President of the American Pancreatic Association and has chaired grant review committees for the NIH. His laboratory has received support for over 30 years from the NIH NIDDK and NIAAA, from the Veterans Administration, and the State of Connecticut.

Mark Hernandez
University of Colorado Boulder

Mark Hernandez attained all of his degrees from Berkeley’s College of Engineering. 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 of Environmental Engineering. For more than a decade, he served 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. Dr. Hernandez maintains an active environmental microbiology research program which focuses on the remediation of polluted air and water. 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. Dr. Hernandez maintains a modest consulting practice, serves as an expert witness in the remediation field, and holds US patents for wastewater reclamation; he has over 65 archival publications. Professor Hernandez has personally mentored numerous undergraduates (30), graduates and post-doctoral fellows (15) from student groups that are physically disabled or have otherwise been historically underrepresented in engineering education. His academic protégés now hold tenured faculty positions at Yale, Ohio State, and Cornell University in the US, as well as National Technical Universities in Copenhagen, Shanghai, and Amman.
Sara Xayarath Hernández  
*Cornell University*

Sara Xayarath Hernández is the Associate Dean for Inclusion & Student Engagement for the Graduate School at Cornell University. In this role, she serves as one of Cornell’s five University Diversity Officers and as a core member of the Dean’s leadership team, providing vision, leadership, and overall management for Graduate School initiatives and policies related to diversity and inclusion. Hernández directs the Office of Inclusion & Student Engagement (OISE), which leads the Graduate School’s efforts to recruit, retain, and support a diverse student body with a particular focus on students from groups historically underrepresented in graduate education. OISE in partnership with other Graduate School and university partners, leads student engagement and professional development programming that fosters community and develops skills to enhance academic success, improve retention and completion rates, and prepare students to pursue academic and non-academic careers following attainment of their graduate degrees.

Hernández has served as a University Member Representative to the National GEM Consortium since 2009. In 2010, GEM recognized Hernández as the University Member Representative of the Year and in 2013, she became the Standing Chair for the Operations Committee. In her previous role as Director of Diversity Programs in Engineering at Cornell, Hernández served as the Co-PI for Cornell’s Alfred P. Sloan Foundation funded UCEM Program and for Cornell’s NSF funded Louis Stokes Alliance for Minority Participation and STEM Talent Expansion Programs.

Hernández holds a Bachelor of Arts in Zoology from Ohio Wesleyan University and a Master of Regional Planning from Cornell University.

J. K. Purdom Lindblad  
*University of Virginia*

As the Head of Graduate Programs in the Scholars’ Lab at the University of Virginia Libraries, Purdom Lindblad coordinate our two fellowship programs, the Graduate Fellowship in Digital Humanities and our innovative Praxis Program. In addition, she works with the international Praxis Network, which showcases new models of humanities methods training. Lindblad has a background in Religious Studies, American Studies, and Information Science.

Renita Miller  
*Princeton University*

Renita Miller is the Director of Studies at Princeton University. Dr. Miller is also working with the graduate school at Princeton, directing the Princeton Summer Undergraduate Research Experience (PSURE) this summer. In her role as director of studies, she is responsible for managing, training and professional development of Princeton faculty academic advisers. She is also responsible for academic programming and advising for freshmen and sophomores. She received her Bachelors in Business Administration from Baylor University and her Masters and Ph.D. from Rice University in Political Science. Her research focuses on understanding the influence of race and gender in political institutions with a particular focus on political rhetoric, deliberation, and leadership within state legislatures. Prior to Princeton, she taught in the political science department at Texas A&M and Rice University. She was also a research fellow for the Project of Equity, Representation, and Governance at Texas A&M and the Kinder Institute of Urban Research at Rice University. Dr. Miller also has work experience as an education policy consultant and pharmaceutical sales representative and trainer.
Beth Murphy
_Brown University_

Beth Murphy currently serves as Assistant Director of Financial Aid at Brown University. In the financial aid industry for over 20 years, she has become a champion for financial literacy after realizing that many children and young adults lack basic foundation and life skills in budgeting, personal finance, and building wealth to help ensure financial success. Beth is one of the founding members of GET YOUR BEARINGS: Brown Financial Literacy program at Brown University and shares her knowledge with a wide variety of audiences to help strengthen her cause. She received her Bachelor of Science degree from Stonehill College and Master’s degree from Simmons College. She is also a Microsoft Certified Professional, and is currently taking classes in interior decorating. With two children in college, Beth enjoys finding free activities to enjoy with her husband and dog in and around Massachusetts.

Darryl Murray
_National Institutes of Health_

Dr. Darryl Murray is a native of Birmingham, Alabama. He earned undergraduate degree in Biology and a Masters degree in Microbiology from Alabama State University (ASU). Since leaving ASU, he has spent the last 28 years at the National Institutes of Health (NIH) in varying capacities. First as a technician for two years and later as a graduate student, earning his Ph.D. in Biology from the Johns Hopkins University. Subsequently, he trained as a postdoctoral fellow in Laboratory of Genetics at the National Institute on Aging (NIA). Next, he transitioned to administration, becoming the Training Director and Recruitment Specialist at NIA. Currently, Dr. Murray is the Director of the NIH Undergraduate Scholarship Program in the NIH Office of Intramural Training and Education.

Chinonye Nnakwe
_University of Chicago_

Chinonye “Chi-Chi” Nnakwe, Ph.D. is the inaugural Director of Graduate Diversity Initiatives for the Office of the Provost at the University of Chicago. At the university, she collaborates with faculty, students and administrators in all divisions and professional schools to advance the mission of increasing the representation of Ph.D. seeking graduate students from underrepresented populations and advocating for their successful matriculation and degree completion.

Her work includes brokering multi-institutional collaborations with consortium partners, serving as a consultant to faculty in devising recruitment and retention strategies, managing the Leadership Alliance Summer Research Early Identification Program at the University of Chicago and spearheading outreach initiatives to attract talented students to the university. In addition, she pursues interventions that address the disparity of underrepresented groups in higher education with a focus on building competencies for mentoring, addressing bias and promoting cross-cultural interaction. In the fall of 2015, Dr. Nnakwe will pursue a science and technology policy fellowship through the American Association for the Advancement of Science (AAAS) at the National Science Foundation (NSF) and will focus on innovation and entrepreneurship through the I-Corps program.

In past roles, Dr. Nnakwe was an Associate Consultant for Campbell Alliance—a leading management consulting company that provides strategy services to pharmaceutical and biotech companies. She obtained her Bachelors of Science in Biochemistry with Distinction in the Curriculum from the University of Illinois at Urbana-Champaign and her Ph.D. in Pathology, with a concentration in Cancer Biology and Yeast Genetics from the University of Chicago.
Christine O’Brien  
National Academy of Science

Christine O’Brien, of the Fellowships Office of the Policy and Global Affairs Division of the National Academies, administers fellowship programs and has done so since January 1974. Chris currently provides administrative leadership for the Ford Foundation Fellowship Programs. She has been involved in the administration of numerous fellowship programs, varying in level from predoctoral through postdoctoral and varying by funding source (public and private). Chris works on the Ford Foundation Predoctoral, Dissertation, and Postdoctoral Fellowship Programs. In 2004 and 2008, the Ford Fellowship administrative team was awarded National Academies’ recognition for outstanding performance.

Christine provides leadership for the Fellowship Roundtable, a Fellowships Office activity that convenes fellowship administrators in the DC region and beyond. The Fellowship Roundtable addresses issues of importance to fellowship administrators and those who advise graduate students and fellowship applicants. The Fellowship Roundtable meets bi-annually. In 2015, the Roundtable participants celebrated its 20 year anniversary.

Joel Oppenheim  
New York University School of Medicine

Presently Dr. Joel D. Oppenheim is Professor Emeritus of Microbiology and also serves as the Diversity Advisor to the Office of Science Research at the NYU School of Medicine. From 1994 -2014 he was the Senior Associate Dean of the Medical Center where he oversaw all PhD and Postdoctoral programs. For the past 24 years he has served (and continues to serve) on the NYU School of Medicine’s MD and MD/PhD Admissions Committees and previously chaired the PhD Admissions (1994-2014). He was the founder and director of the NYU’s Summer Undergraduate Research Program (1990-2013) and of the “What Can You Be With a PhD?” Symposium (1995 – 2013), the largest university based career development program for predoctoral students and postdoctoral fellows in the country. He has served on many national advisory committees (AAMC, NIH, NRC, NSF, ASM, Leadership Alliance, and UNCF/Merck), grant study sections (NCATS, NIAID, NIGMS, NSF, Sloan Foundation, UNCF/Merck), as a reviewer of numerous NRC, NSF and NAS reports involved with graduate education, pipeline issues and the recruitment and retention of underrepresented students to graduate programs. He also has served (serves) on the external advisory boards and program review boards of a number of state and national accrediting agencies, colleges and universities. Dr. Oppenheim has been an invited speaker to over 70 colleges and universities, at the NRC, NSF and NIH as well as at ABRCMS, Leadership Alliance, McNair, SACNAS and UNCF/Merck national meetings, speaking to students and faculty on topics ranging from how to prepare for and apply to graduate and professional schools, to strategies for the recruitment and retention of students and career options. In 2010 Dr Oppenheim was the recipient of the AAAS (American Association of the Advancement of Sciences) Life Time Mentoring Award, one of the nations highest mentoring awards. Dr Oppenheim was also one of the founding members of the Leadership Alliance in 1992.

Cesar Perez  
Food & Drug Administration

Cesar Perez attended the State University of New York at New Paltz in 1998 and obtained his Bachelor degree in biology. In 2008, he obtained his PhD degree in microbiology from the New York University School of Medicine. His research thesis focused on elucidating the mechanisms responsible for manipulating cellular protein synthesis in Human Cytomegalovirus-infected cells.

Also, Cesar served in the United States Army Reserve from 1998-2006 as a Non-Commissioned Officer. In 2003, he was activated and served one year on active duty at Fort Hood, Texas for operation Global War on Terrorism (GWOT).

He currently works in the Abdominal and Surgical Devices Branch, Division of Manufacturing and Quality, Office of Compliance, Center for Devices and Radiological Health, Food and Drug Administration as a Regulatory Officer. He reviews
domestic enforcement activities, recalls related to device quality and safety and the manufacturing section of premarket approval applications. In addition, he reviews compliance issues associated with sterilization and reprocessing of medical devices.

**Ruth Schemmer**  
*Vanderbilt University*

Dr. Schemmer initiated career development services for Graduate School students at Vanderbilt 2 years ago. Through individual advising, workshops and web-based resources, Ruth educates PhD and master's level students about all aspects of their job search, preparing them for careers in academia, government, non-profit organizations, or industry/business. As a self-described collector of stories, she places great emphasis on introducing students to the power of networking.

Reflecting a longstanding interest in the public sector and understanding organizational behavior, Ruth's Ph.D. in Sociology, from Texas A&M University, focused on Complex Organizations and Political Sociology. Ruth's own accidental career began 16 years ago as an advisor at the Texas A&M Career Center. At Vanderbilt, she particularly values being supported by the Graduate School with her focus solely on graduate students and making their success a priority.

**Nancy Schwartz**  
*University of Chicago*

Dr. Nancy Schwartz is Dean for Postdoctoral Affairs and Co-director of the Office of Graduate Affairs, having served as Dean for Graduate and Postdoctoral Affairs in the Division of Biological Sciences for more than 25 years. She has served on several NIH study sections, foundation review boards and editorial boards, the AAMC-GREAT Steering Committee, Chair of both Graduate Deans and Postdoc Leaders groups, and the Founding Advisory Board of the NPA. She is director of the Kennedy Research Center, the NICHD M.D./Ph.D. training Program, HHMI Med into Grad Program, and NIGMS PREP, IMSD, and NRMN-CAN. She has had continuous NIH R01 research funding, received both a MERIT award and a Mentor of Excellence from NIH, and is Director of an NIH Program Project. Dr. Schwartz's functions and responsibilities in graduate and postdoctoral education and program administration have focused on evolving and complex educational needs of emerging researchers in the life sciences.

**David Stout**  
*California State University*

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

Naoko Tanese PhD, Professor of Microbiology, received her PhD in Biochemistry from Columbia University studying the replication of retroviruses with Dr. Stephen Goff, and trained as a postdoctoral fellow at UC Berkeley with Professor Robert Tjian where she performed innovative work on transcriptional regulatory mechanisms. Continuation of this research at NYU as an independent investigator has led to numerous scientific collaborations with faculty studying cancer, developmental biology, virology, neuroscience, and stem cells. Since joining the NYU faculty in 1993, Dr. Tanese was appointed Co-director of the Medical Scientist Training Program in 2010, and Director of Basic Science Faculty Mentoring in 2013. Through these channels she plays an instrumental role in advancing the careers of many young scientists. Her current research focuses on the molecular basis of Huntington’s disease, a devastating inherited neurodegenerative disease. In May 2014, Dr. Tanese was appointed associate dean for Biomedical Sciences and director of the Sackler Institute of Graduate Biomedical Sciences, which oversees NYU School of Medicine’s PhD, MD/PhD, and Summer Undergraduate Research Programs. She leads recruitment and retention for all programs to ensure that recruits receive outstanding training throughout their tenure, from coursework and matching with the right faculty mentors to career development.

Sheila M. Thomas  
*Harvard Medical School and Harvard University*

Sheila Thomas is a faculty member in the Division of Medical Sciences (DMS) PhD Programs and Department of Medicine at Harvard Medical School and Assistant Dean for Diversity and Minority Affairs for the Graduate School of Arts and Sciences (GSAS). Her research interests are in cancer cell signaling; and she is actively involved in teaching and advising students in the DMS PhD programs and sits on the admissions committees for the life science PhD programs as well as the MD/PhD program. As Dean, she oversees diversity efforts for Harvard’s 57 PhD programs. She directs the Summer Honors Undergraduate Research Program (SHURP), Summer Research Opportunities at Harvard (SROH) and the Graduate School’s post-baccalaureate program, GSAS Research Scholar Initiative. Dr. Thomas received her BA in Biochemistry and Molecular and Cellular Biology from Northwestern University, her PhD in Molecular Genetics from University of Pennsylvania, and did her post-doctoral training at Fred Hutchinson Cancer Research Center.

Christina Williams-Keeton  
*Vanderbilt University*

Dr. Williams-Keeton is the Interdisciplinary Program Coordinator for the Initiative for Maximizing Student Diversity (IMSD) and Co-Director of the Vanderbilt Summer Science Academy (VSSA). IMSD exists to guide and support under-represented minority graduate students to completion of a Ph.D. in biomedical research at Vanderbilt University. As IMSD Program Coordinator, she is responsible for management of program and student related activities, including recruitment and mentoring. The VSSA provides summer research experience to undergraduate students from across the country. As Co-Director of the VSSA, she is responsible for management of program logistics as well as creation and implementation of program activities. She received her B.S. in Biochemistry at Syracuse University. While working as an environmental chemist for the Syracuse Research Corporation, she decided to pursue her Ph.D. At Vanderbilt University, she earned her Ph.D. in Biochemistry in the laboratory of Dr. Walter Chazin and was a Postdoctoral Fellow in Science Education Administration.
The Leadership Alliance Executive Office Staff

Medeva Ghee  
**Executive Director**

Dr. Medeva Ghee, a graduate of North Carolina State University with a bachelor’s degree in zoology, earned her M.S. and Ph.D. in microbiology from New York University School of Medicine. Her postdoctoral research was conducted in Paris, France with a team of researchers associated with the National Center for Scientific Research (CNRS), where she employed biochemical and gene therapy technologies to investigate the impact of protein aggregation in Parkinson’s disease. In 2005, Dr. Ghee worked with the Clinton Foundation as a Laboratory Systems Specialist for the HIV/AIDS Initiative. In this capacity, she provided technical assistance and strategic advice on the development of laboratory plans and systems to support national HIV/AIDS prevention care and treatment programs in the Initiative’s partner countries in Sub-Saharan Africa. Dr. Ghee joined the Leadership Alliance in 2006 and was appointed the Executive Director of the Leadership Alliance in July 2011. In this capacity, she is responsible for leading the 35 member consortium of institutions and private industry dedicated to increasing the participation of underrepresented students in competitive graduate and doctoral training programs and ultimately developing leaders and role models in academia, the public and private sectors. In addition to her administrative responsibilities, Dr. Ghee is an Assistant Professor of the Practice of Behavioral and Social Sciences at Brown University where she has developed a course that leverages multidisciplinary approaches to support HIV/AIDS care and treatment programs in Sub-Saharan Africa. Actively engaged in research aimed at mentoring and supporting students through critical transitions along the academic pathway, Dr. Ghee has been invited to serve as an external consultant for federal mentoring programs and has given keynote lectures regarding mentoring strategies for graduate students, postdoctoral fellows, faculty members and senior administrators. At Brown, she serves as a mentor for both undergraduates and graduate students. In recognition of her mentoring efforts, Dr. Ghee received the Ruth J. Simmons Award for Leadership by the Samuel M. Nabrit Black Graduate Student Association.

Deborah Collins  
**Associate Director**

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

Barbara Kahn  
**Coordinator for Graduate and Undergraduate Programs**

Barbara Kahn is the Coordinator for Graduate and Undergraduate Programs for the Leadership Alliance. In this capacity, she coordinates the combined application process for the 21 undergraduate summer research sites and supervises the Alliance summer research program at Brown University. Prior to her appointment with the Leadership Alliance, Ms. Kahn was part of the professional development team at Brown University’s Annenberg Institute for School Reform, a center promoting quality education in urban communities. She came to Brown University from Chaffee & Partners, a public relations and advertising firm in Providence, R.I. Ms. Kahn holds a B.S. in Education from Boston University.
Maria DoVale
Coordinator for Professional Development and Networking

Maria DoVale is the Coordinator for Professional Development & Networking for the Leadership Alliance. It is Ms. DoVale's primary responsibility to plan, organize, coordinate and develop sessions that promote networking, mentoring and professional development for undergraduate students, graduate students and our doctoral scholars. As the Ex-Officio of the Leadership Alliance Symposium Planning Committee, she works alongside colleagues from various member institutions who provide suggestions on different aspects of program planning for the Symposium. Ms. DoVale comes to us with a wealth of experience in administration, event planning and management augmented with exemplary technical, organizational and customer service skills. Prior to her appointment with the Leadership Alliance, Ms. DoVale worked for 5½ years at the Providence Warwick Convention & Visitors Bureau helping to promote the state of Rhode Island as well as the city of Providence as a convention destination. Prior to this appointment, she worked for American Express corporate travel for eight years. Ms. DoVale holds a B.A. in Travel & Tourism Management from Johnson & Wales University.

Clara Weishahn
Project Assistant

Clara Weishahn provides administrative support to the Executive Office staff and assists on all Alliance programs, events, and initiatives. She facilitates communication between the Executive Office and member institutions and manages the Alliance’s website maintenance and media projects. This autumn will mark her third year with the Leadership Alliance. Previously, Ms. Weishahn was a Legal Assistant in Portland, Oregon and assisted the Human Resources and Capital Campaign departments at Portland Center Stage. Clara is a theatre artist who collaborates with East and West coast companies and artists. In Rhode Island, she works with the Sandra Feinstein-Gamm Theatre, Strange Attractor Theatre Company, Wilbury Theatre Group, Elemental Theatre Collective, Providence College, and Brown University Opera Productions. She is passionate about the development of new work in theatre and opera and facilitates the Play Salon, informal play readings in Rhode Island living rooms. She organizes social and networking events for women in the West End of Providence. Originally from Alaska, Ms. Weishahn received a B.A. in Theatre from Portland State University in Oregon.

Olivia Mansion
LANS Project Assistant

Olivia Mansion is the Project Assistant at the Leadership Alliance. In this role, she assists with the preparations and logistics for the Leadership Alliance’s national Symposium. Ms. Mansion is passionate about creating platforms for sharing people’s personal stories and opening pathways in science for underrepresented minorities. She is a Master’s candidate here at Brown University in Cross-Cultural Studies and ESL, and the Cross-Cultural Communications Intern at the Brown University Writing Center where she co-facilitates culture and language workshops alongside the Director of English Language Learning. In this role, Ms. Mansion co-founded the International Writers’ Blog, where in addition to editing and writing, she manages the technology and visual media of the blog. Additionally, Ms. Mansion is a part of the Education and Outreach team of the NASA CubeSat Launch Initiative at Brown University where she co-writes STEM curriculum and teaches astronomy to middle school students in Providence. Ms. Mansion was born and raised in Venezuela, but is in Providence by way of Tampa, Florida where she received her Bachelor’s degree at the University of Tampa.
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[www.nationalacademies.org/ford](http://www.nationalacademies.org/ford)
The Director and Coordinators of the Science Diversity Programs at Brooklyn College congratulate the Leadership Alliance National Symposium on its 20th Anniversary

We value our collaboration with the Alliance as it prepares future generations of scholars

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\texttt{the-aps.org/diversity}
The Provost’s Office of Institutional Diversity at Brown University CONGRATULATES the Leadership Alliance Consortium on its continued support and dedicated commitment to promising scholars across the country.

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Welcome to the 2015 Leadership Alliance National Symposium

Welcome to the 20th Annual Leadership Alliance National Symposium! This conference is quite significant for me as I attended the first national symposium as a graduate student in 1995. While the conference was an invigorating experience then, I continue to be inspired each year, alongside subsequent generations of scholars and researchers whose technological and scholarly advances are poised to address global 21st century challenges.

As I reflect on my participation at the inaugural symposium, I remember fondly the sense of community. We had the opportunity to showcase our research and network with like-minded scholars from across the country. This experience motivated me to continue pursuing excellence within my graduate program, equipped me with a sense of belonging, affirmed my identity as a scientist, despite my cultural background, and most importantly, revealed that I was not alone in my pursuit of a doctoral degree. From that moment on, I knew that the Leadership Alliance community of peers, role models, faculty and administrators was there to ensure my success.

The theme of this 20th anniversary event, Mentoring + Commitment = Pathways to Success, continues the work of the Leadership Alliance that began two decades ago. Our work is far from complete, but we celebrate how far we have come. To date, our mentoring and commitment to developing leaders and role models in all career sectors has resulted in a near doubling of the 350 symposium participants in 1995, to nearly 600 participants today! Our community is growing and thriving! I encourage you to leverage our diverse scholars and to build the professional network that will help you navigate your academic and career pathways to success!

Have a wonderful conference!

Greetings and welcome to the 2015 Leadership Alliance National Symposium (LANS)! This year marks the 20th anniversary of the conference and promises to be one of the most impacting and inspiring to date.

The LANS Planning Committee worked diligently over the past year to develop tailored programming which will enhance your personal and professional development, as well as inform your choices about graduate and professional education. Graduate students, Doctoral Scholars, faculty, administrators and other invited guests welcome the opportunity to discuss their trajectories and answer any questions about your own academic and professional interests.

At a time in our country with ever evolving cultural, social and political shifts, rising costs of higher education, and an uncertain job market, The Leadership Alliance remains committed to the training and development of underrepresented students who strive to become tomorrow’s leaders and role models in academia, business and the public sector. Realizing this vision requires the dedication and support of several individuals, many of which are present at this year’s symposium.

Please take advantage of the formal scheduled events as well as informal opportunities to interact with panelists, faculty, administrators, Doctoral Scholars, graduate students and other guests. It is also very important that you network with each other and take time to share your personal stories and professional aspirations. You may find yourselves training or working together during the next phases of your academic or professional careers so start building these relationships now.

In 2015, just as we declared in 1995, Mentoring + Commitment = Pathways to Success. Embrace the community that surrounds you, be persistent and commit to excellence, and success will surely follow.

Best wishes and make it memorable!

Symposium 2015 Planning Committee

Jabbar Bennett
(Chair)
Associate Dean, Division of Biology and Medicine
Director, Office of Diversity and Multicultural Affairs
Clinical Assistant Professor of Medicine, The Warren Alpert Medical School
Brown University

Earnestine Baker
Ret. Assistant to the Vice President, Institutional Advancement/
Executive Director of the Meyerhoff Scholarship Program
University of Maryland – Baltimore County

Marcus Jones
Senior Research Scientist
Human Longevity, Inc.
Doctoral Scholar Advisor, President of the Alumni Association Founding Board

Florence Kempner
MARC Program Coordinator
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W. Marcus Lambert
Director of Diversity and Student Services
Weill Cornell Graduate School of Medical Sciences

Luis Raúl Cámara
Director, Honors Program
University of Puerto Rico, Rio Piedras

Chinonye Nnakwe
Director of Graduate Diversity Recruitment
University of Chicago
Doctoral Scholar Advisor, President of the Alumni Association Founding Board

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

Maria DoVale
Ex Officio Member
Coordinator for Professional Development and Networking
Leadership Alliance Executive Office

Leadership Alliance Staff

Medeva Ghee
Executive Director

Deborah Collins
Associate Director

Barbara Kahn
Coordinator for Graduate and Undergraduate Programs

Maria DoVale
Coordinator for Professional Development and Networking

Clara Weishahn
Administrative Assistant

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

The Leadership Alliance National Symposium
Hilton Stamford Hotel & Executive Meeting Center
Stamford, Connecticut
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