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

Member Institutions

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

Associate Member Institution

Novartis Institutes for BioMedical Research

Cultivating Excellence and Empowering Great Minds
Welcome to the 2013 Leadership Alliance National Symposium

On behalf of the Leadership Alliance, it gives me great pleasure to welcome you to the 2013 Leadership Alliance National Symposium (LANS)! This event never ceases to inspire as it features the intellectual capacity and fortitude of diverse scholars and researchers from across the country.

The theme of this symposium, Cultivating Great Minds and Inspiring Excellence, conveys the sustained efforts of the Leadership Alliance to prepare the next generation of innovators and critical thinkers to respond to society’s most complex challenges. By leveraging your diverse skills and perspectives, we firmly believe that each of you has the potential to develop novel solutions to address climate change, advance national and global health goals, and explore new paradigms that shape our thinking in the humanities and social sciences. The Leadership Alliance is proud to support and nurture your educational and career aspirations.

For more than two decades, the collective efforts of the Leadership Alliance have resulted in the production of more than 300 alumni who have obtained their PhD or MD-PhD degrees, ensured the enrollment of students into competitive graduate training programs and sustained relationships with leaders in academia, the public and private sectors. This extensive and diverse network of role models and mentors is at your disposal to help clarify your academic and career pathways in order to cultivate your intellectual curiosity and inspire and motivate you to new heights. Make the most of LANS, where you have the distinct opportunity to communicate and discuss your ideas in a supportive environment, hone your networking skills and think critically about your future.

As we welcome you to the Leadership Alliance National Symposium, I implore you to fully immerse yourself in this exceptional experience and, in so doing, commit yourself to excellence, realize the value of your potential and be the inspiration for the world to emulate!

Have a great symposium!

Greetings and welcome to the 2013 Leadership Alliance National Symposium (LANS)! We hope that this experience will serve as a wonderful capstone to your summer research immersion.

Last year we celebrated our 20th anniversary and reflected upon two decades of supporting research, cultivating scholarship and inspiring academic excellence among some of America’s best, brightest and most diverse scholars. This year our goal is to further cultivate magnificent minds and inspire intellectuals for greater distinction.

As always, the LANS Planning Committee worked diligently over the past year to offer you the most engaging, enriching and empowering Symposium possible. Every session was designed with you in mind and our invited speakers came to deliver a message especially for you.

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

This event aims to help the Leadership Alliance achieve its mission and realize its vision of developing underrepresented students into outstanding leaders and role models in academia, business and the public sector. More than ever before, we are tenaciously committed to train, mentor and inspire young, diverse scholars. With 20 years of successful experience to build upon, along with your personal commitment to academic excellence and service, we will continue to affect positive change for many years to come.

Best wishes and make it memorable!
Cultivating Excellence and Empowering Great Minds

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Presentation Categories Key
AB  Applied Biosciences, Molecular Processes and Genetics, Biochemistry
BB  Basic Biosciences, Human Biology & Disease, Public Health, Biomedical Engineering
EN  Engineering, Mechanical, Electrical & Materials Engineering
ES  Earth Science, Environment Sciences, Geosciences, Marine Sciences
HU  Humanities, Literature, Language Arts, History, Media
PE  Policy & Ethics, Politics, Policy & Legislation, Ethics, Philosophy & Reasoning
PS  Physical Science, Chemistry, Math, Physics, Computer Sciences, Computer Engineering
SS  Social Science, Sociology, Economics, Psychology, and Behavior Sciences
Headshots can be taken all day Saturday.
<table>
<thead>
<tr>
<th>Time</th>
<th>General Sessions</th>
<th>Undergraduate Sessions</th>
<th>Graduate Sessions</th>
<th>Doctoral Scholars</th>
<th>Coordinators, Mentors, Guests, Administrators</th>
</tr>
</thead>
<tbody>
<tr>
<td>11:00am - 3:00pm</td>
<td>Registration</td>
<td>PowerPoint Presentation Upload I</td>
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<td>12:00pm - 2:30pm</td>
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<td>3:00pm - 5:15pm</td>
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<td>Grantsmanship 101 Graduate Students and Doctoral Scholars</td>
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<td>4:20pm - 5:15pm</td>
<td>Orientation/Networking Sessions by Discipline</td>
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<tr>
<td>5:30pm - 6:30pm</td>
<td><em>NEW</em> Graduate Research Fellowship Programs Undergraduate Seniors, First and Second Year Graduate Students in STEM</td>
<td>PowerPoint Presentation Upload II</td>
<td>Meet &amp; Greet with Program Officers Doctoral Scholars</td>
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<td>7:00pm - 9:15pm</td>
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<tr>
<td>7:30am - 8:30am</td>
<td>Networking Breakfasts</td>
<td>Breakfast for Graduate Students and Doctoral Scholars: <em>NEW</em> Professional Societies: Making the Best of Professional Connections</td>
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<tr>
<td>8:45am - 9:45am</td>
<td>Student Poster Presentations Session I (Odd Poster Numbers)</td>
<td>Student Poster Presentations Session I (Odd Poster Numbers)</td>
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<td>9:45am - 10:45am</td>
<td>Student Poster Presentations Session II (Even Poster Numbers)</td>
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<td>1:00pm - 2:30pm</td>
<td>Lunch Panel: The Graduate School Experience (PhD Program)</td>
<td>Lunch Panel: The Graduate School Experience (MD-PhD Program)</td>
<td>Lunch for Graduate Students and Doctoral Scholars: <em>NEW</em> Utilizing Professional Development, Social Support, Mentoring, and Networking for Success</td>
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<td>2:45pm - 4:15pm</td>
<td>Student Oral Presentations Session II - All disciplines will present</td>
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<tr>
<td>4:20pm - 6:00pm</td>
<td>Break/ Snack/ Professional Headshots</td>
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<td>4:45pm - 6:00pm</td>
<td>Student Oral Presentations Session III - All disciplines will present</td>
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<td>6:00pm - 6:45pm</td>
<td>Group Photos: Mellon Initiative Cohort/ Individual Professional Headshots/ Free Time</td>
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<tr>
<td>7:00pm - 9:00pm</td>
<td>Dinner &amp; Keynote Speaker</td>
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<td>9:00pm - 12:00am</td>
<td>Dance Party</td>
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<td>7:30am - 10:00am</td>
<td>Exhibitors Set-up for Recruiting Fair</td>
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<td>8:00am - 9:45am</td>
<td>Graduate School Application &amp; Interview Process Breakfast Panels</td>
<td>Breakfast Panel: BioSciences</td>
<td>Breakfast for Graduate Students and Doctoral Scholars: <em>NEW</em> Using Social Media to Effectively Enhance Your Future</td>
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<td>10:00am - 11:30am</td>
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<td>Breakfast Panel: MD-PhD</td>
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<tr>
<td>10:00am - 12:00am</td>
<td>Recruiting Fair/Exhibitors</td>
<td>Breakfast Panel: Social Sciences &amp; Humanities</td>
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<tr>
<td>12:00pm - 1:00pm</td>
<td>Fill out Surveys/Closing Remarks/ Adjournment</td>
<td>Breakfast Panel: Engineering &amp; Physical Sciences</td>
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*Headshots can be taken all day Saturday.
AGENDA 2013

FRIDAY, JULY 26

11:00AM – 3:00PM
Leadership Alliance Conference Registration ................................................................. Mezzanine

11:00AM – 3:00PM
PowerPoint Upload Session I .......................................................................................... Alder

12:00PM – 2:30PM
Informal Networking Lunch – Everyone ............................................................................ Garden Pavilion

2:00PM – 3:00PM
Moderators Training ........................................................................................................... The Glen
Moderator: Jabbar Bennett, Associate Dean, Graduate School, Division of Biology and Medicine, Brown University

Undergraduates:

3:00PM – 4:15PM
Funding Your Education by Discipline

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

Biosciences ......................................................................................................................... Grand Ballroom I
Moderators: Sheila Thomas, Assistant Professor of Medicine, Assistant Dean of Diversity and Minority Affairs for GSAS and DMS, Harvard University; Nikia Laurie, Assistant Professor, Ann & Robert H. Lurie Children’s Hospital of Chicago Research Center, Northwestern University Feinberg School of Medicine
Funding Your Education Panel:
Erika Barr, Special Projects Coordinator, Office of Intramural Training and Education, NIH
Tiffani Fonseca, Fellowships Programs Coordinator, ASM
Christine O’Brien, Ford Fellowship, National Academy of Sciences

Social Sciences and Humanities .......................................................................................... Grand Ballroom II
Moderators: Karen Jackson-Weaver, Associate Dean of Academic Affairs and Diversity, Princeton University; Travis Boyce, Assistant Professor of Africana Studies and Social Science, University of Northern Colorado
Funding Your Education Panel:
Saul Fisher, Executive Director for Grants and Academic Initiatives and Visiting Associate Professor, Mercy College
Chris Cash, Director of Student Assistance Programs, Institute for Broadening Participation
Leislie Godo-Solo, Associate Director, Institute for Recruitment of Teachers

Engineering and Physical Sciences ...................................................................................... Grove II
Moderator: Michelle Nearon, Assistant Dean Office for Diversity and Equal Opportunity, Yale University
Funding Your Education Panel:
Aileen Walter, Vice President, Scholarships and University Relations, National Action Council for Minorities in Engineering
Sara Xayarath Hernandez, Director of Diversity Programs, Engineering College, Cornell University/ Institute for Broadening Participation
Don Brunson, Assistant Dean, Graduate School and Director, Enhancing Diversity in Graduate Education Program, Vanderbilt University
3:00 PM – 5:15 PM
Developing Grantsmanship Skills ................................................................. Grove I
Graduate Students and Doctoral Scholars
Moderator: Lloyd Douglas, Associate Director Office of Sponsored Projects, University of North Carolina at Greensboro/CUR, and Mary Farwell, Professor of Biology, East Carolina University/CUR

5:30 PM – 6:30 PM
(New) Graduate Research Fellowship Programs (GRFP) ............................................................ Grove II
(This session is for seniors, first and second year graduate students - STEM)
Moderator: Pushpa Murthy, Program Director, Graduate Research Fellowship Programs, National Science Foundation

5:30 PM – 6:45 PM
Power Point Upload Session II ............................................................................ Alder

5:30 PM – 6:30 PM
Doctoral Scholars Meet & Greet ............................................................................ Aspen
Moderator: Jabbar Bennett, Associate Dean, Graduate School, Division of Biology and Medicine, Brown University
Christine O’Brien, Ford Fellowship, National Academy of Sciences
Tiffani Fonseca, Fellowships Programs Coordinator, ASM
Nicole Restrick, Fellowships Manager, Assistant Director, Abe Fellowship Program, Social Science Research Council
Anastacia Berzat, Scientific Program Manager, Office of Education, Diversity & Inclusion, Novartis Institutes for Biomedical Research
Laina King, Director of Diversity in Life Science Programs, Keystone Symposia
Chris Cash, Director of Student Assistance Programs, Institute for Broadening Participation
Rebecca Keiser, Associate Deputy Administrator for Strategy and Policy, NASA
Mary Crowe, Associate Provost of Experiential Learning, Florida Southern College, Council on Undergraduate Research
Brooke Bruthers, Diversity Programs Coordinator, The American Physiological Society
Erika Barr, Special Projects Coordinator, Office of Intramural Training and Education, NIH

7:00 PM – 9:15 PM
Welcome, Dinner, Alumni Career Panel ................................................................. Grand Ballroom I & II
Moderator: Chinonye Nnakwe, Director of Graduate Diversity Recruitment, University of Chicago
Panelists:
Kisha Piggott, Ophthalmology and Visual Sciences MD-PhD, Washington University in St. Louis
Eric Villegas, Research Microbiologist, U.S. Environmental Protection Agency
Alyssa Garcia, Assistant Professor of Women’s Studies, Pennsylvania State University
La Marr Jurelle Bruce, African American Studies and American Studies, Yale University

9:30 PM – 10:30 PM
Reception ............................................................................................................. Grove I
Faculty, Coordinators, Administrators, Doctoral Scholars,
Graduate Students, and Guests
Saturday, July 27

9:00AM – 3:00PM
Leadership Alliance Conference Registration ................................................................. Mezzanine

7:15AM – 8:30AM
Coordinators Community Meeting/Group Photo ......................................................... Elm

7:30AM – 8:30AM
Posters Setup ........................................................................................................ Garden Pavilion

8:30AM – 6:00PM
Professional Headshots ................................................................................................ Charter Oak

Networking Breakfast: Doctoral Scholars & Graduate Students

New Professional Societies: Making the Best of Professional Connections ................... Grove I

Moderator: Nancy Schwartz, Associate Dean for Postdoctoral Affairs and Co-director of the Office of Graduate Affairs, University of Chicago
Panelists:
Caryl McFarlane, Sr. Program Officer/Director Mellon Y& Pickering Programs, Woodrow Wilson National Fellowship Foundation
Laina King, Director of Diversity in Life Science Programs, Keystone Symposia
Nicole Restrick, Fellowships Manager, Assistant Director, Abe Fellowship Program, Social Science Research Council
Pamela Scott-Johnson, Psychology Associate Professor & Chair of Psychology, Morgan State University
Tiffani Fonseca, Fellowships Programs Coordinator, ASM
Brooke Bruthers, Diversity Programs Coordinator, The American Physiological Society

8:45AM – 10:45AM
Student Poster Presentations .............................................................................................. Garden Pavilion

8:45AM – 9:45AM – Student Poster Presentations Session I (Odd poster numbers)
9:45AM – 10:45AM – Student Poster Presentations Session II (Even poster numbers)

11:15AM – 12:45PM
Student Oral Presentations Session I
Biosciences: Elm I, Elm II, Aspen I, Aspen II, Glen I, Glen II, Glen III, Alder
Social Sciences & Humanities: Springdale II

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

1:00PM – 2:30PM
Panel Discussion for Undergraduates Interested in the PhD: ................................................ Grand Ballroom I
The Graduate School Experience
Moderator: Pamela Scott-Johnson, Interim Dean of the College of Liberal Arts, Morgan State University
Panelists:
Larry Perry, Religious Studies, University of Virginia
Jose Solis, Civil Engineering, University of Colorado Boulder
Jewell Debnam, Cultural 20th Century, Michigan State University
Teresa Ramirez, Molecular Pharmacology and Physiology, Brown University
1:00 pm – 2:30 pm
Panel Discussion for Undergraduates Interested in the MD-PhD: .................................................. Grand Ballroom II
The Graduate School Experience
Moderator: Nancy Schwartz, Associate Dean for Postdoctoral Affairs and Co-director of the Office of Graduate
Affairs, University of Chicago
Panelists:
Andrew Drysdale, MD-PhD Candidate, Weill Cornell Medical College
Jose-Marc Techner, MD-PhD Candidate, Northwestern University Feinberg School of Medicine
Maria Sacta, MD-PhD Candidate, Weill Cornell Medical College
Tashalee Brown, MD-PhD Candidate, Weill Cornell Medical College

1:00 pm – 2:30 pm (New)
Panel Discussion for Graduate Students and Doctoral Scholars: .........................................................Grove I & II
Utilizing Professional Development, Social Support, Mentoring, and Networking for Success
Moderator: Jabbar Bennett, Associate Dean, Graduate School, Division of Biology and Medicine, Brown University
Panelists:
Mentoring – Roger Chalkley, Senior Associate Dean for Biomedical Research Education and Training, Vanderbilt University
Professional Development – Deborah Collins, Associate Director, The Leadership Alliance
Social Support – Louise Hainline, Professor Psychology, Brooklyn College
Networking – Tyrone Barksdale, Assistant to the Provost/Special Projects Analyst, Howard University
Post Doc – Eric Villegas, Research Microbiologist, National Exposure Research laboratory (EPA)
Industry – Anastacia Berzat, Scientific Program Manager at Novartis Institutes for Biomedical Research

2:45 pm – 4:15 pm
Student Oral Presentations Session II
Biosciences: Elm I, Elm II, Aspen I, Aspen II, Glen I, Glen II, Glen III, Alder
Social Sciences & Humanities: Belltown, Cove I, Cove II, Waterside, Springdale I, Springdale II
Engineering & Physical Science: Westover, Glenbrook, High Ridge, Long Ridge

(~ Break, 4:20 pm – 4:40 pm ~)

4:45 pm – 6:00 pm
Student Oral Presentations Session III
Biosciences: Elm I, Elm II, Aspen I, Aspen II, Glen I, Glen II, Glen III, Alder
Social Sciences & Humanities: Belltown, Cove I, Cove II, Waterside, Springdale I, Springdale II
Engineering & Physical Science: Westover, Glenbrook, High Ridge, Long Ridge

6:00 pm – 6:45 pm
Leadership Alliance Mellon Initiative Group Photo.................................................................TBA by photographer

7:00 pm
Dinner, Keynote Speaker .................................................................................................................Grand Ballroom I & II
Dr. Terrell Strayhorn, Professor, Researcher, Provocateur, The Ohio State University

9:00 pm – 12:00 am
Dance ............................................................................................................................................. Grove
Sunday, July 28

7:30AM – 10:00AM
Exhibitors Set-up for Recruiting Fair ..............................................................................................Grand Ballroom III

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

8:00AM – 9:45AM
Undergraduate Breakfast and Panels: The Graduate School Application & Interview Process

Biosciences ...........................................................................................................................................Grand Ballroom I
Moderator: Nancy Schwartz, Associate Dean for Postdoctoral Affairs and Co-Director of the Office of Graduate Affairs, University of Chicago
Panelists:
Sheila Thomas, Assistant Professor of Medicine, Assistant Dean of Diversity and Minority Affairs for GSAS and DMS, Harvard University
Joel Oppenheim, Senior Associate Dean for Biomedical Sciences, New York University Langone Medical Center
Roger Chalkley, Senior Associate Dean for Biomedical Research Education and Training, Vanderbilt University
MD-PhD .............................................................................................................................................Grand Ballroom II
Moderator: Ruth Gotian, Administrative Director, Tri-Institutional MD-PhD Program, Weill Cornell Medical College
Panelists:
Arlene Kohler, Administrative Director, NYU MD-PhD Program
Brian Sullivan, Executive Director, Washington University in St Louis, MD-PhD Program
Patrice Spitalnik, Associate Director, Columbia MD-PhD Program
Michelle Grundy, Assistant Director of the MSTP, Vanderbilt University

Social Sciences and Humanities ..............................................................................................................The Glen
Moderator: Geneva Baxter, Associate Dean of Undergraduate Studies, Spelman College
Panelists:
Pamela Scott-Johnson, Associate Professor and Psychology Department Chair, Morgan State University
Karen Jackson-Weaver, Associate Dean of Academic Affairs and Diversity, Princeton University

Engineering and Physical Sciences .......................................................................................................The Elm
Moderator: Michelle Nearon, Assistant Dean Office for Diversity and Equal Opportunity, Yale University
Panelists:
Don Brunson, Assistant Dean, Graduate School and Director, Enhancing Diversity in Graduate Education Program, Vanderbilt University
Sonya Gwak, Associate Director for Student Affairs and Graduate Admissions, University of Pennsylvania

(New) Using Social Media to Effectively Enhance Your Future
Graduate Student & Doctoral Scholar Breakfast................................................................................The Aspen I & II
Moderator: Mary Crowe, Associate Provost of Experiential Learning, Florida Southern College, Council on Undergraduate Research

Faculty Breakfast .....................................................................................................................................Alder

10:00AM – 12:00PM
Recruiting Fair ......................................................................................................................................Grand Ballroom III

10:00AM – 11:30AM
Leadership Alliance Doctoral Scholar Network......................................................................................Cove

12:00PM – 1:00PM
Fill out surveys, Closing Remarks, Adjournment...................................................................................Grand Ballroom I & II
Dr. Terrell Lamont Strayhorn is Associate Professor of Higher Education at The Ohio State University in the School of Educational Policy & Leadership within the College of Education and Human Ecology, where he also serves as Director of the Center for Inclusion, Diversity, & Academic Success (IDEAs), Faculty Research Associate in the Kirwan Institute for the Study of Race & Ethnicity, Senior Research Associate in the Todd A. Bell National Resource Center for African American Males, and faculty affiliate in the Departments of Black Studies, Sexuality Studies, and Engineering Education.

Professor Strayhorn maintains an active and highly visible research agenda focusing on major policy issues in education: student access and achievement, equity and diversity, impact of college on students, and student learning and development. Acclaimed higher education researcher and policy analyst, Strayhorn has authored 7 books and monographs including *The Evolving Challenges of Black College Students* (Stylus Publishing, 2010), *College Students’ Sense of Belonging* (Routledge, 2012), *Living at the Intersections* (IAP, 2013) over 40 book chapters, and more than 80 refereed journal articles, reviews, and scientific reports. He is a highly sought after public speaker and presenter; to date, he has authored over 150 international, national, and state conference papers or keynotes. Named “one of the most highly visible new scholars in his field,” by the *Journal of Blacks in Higher Education*, Strayhorn has received numerous national awards and honors; he was recently named one of the nation’s Top Emerging Scholars by *Diverse Issues in Higher Education* and one of the “Top 20 in Education” by *BusinessFirst*. Strayhorn is co-editor of *Spectrum: A Journal on Black Men*, published by Indiana University Press; associate editor of the *Journal of Higher Education*, and serves on several editorial boards. Grants totaling more than $2 million have supported his research program including funds from the U.S. Department of Education, National Science Foundation, and several professional associations.
## Oral Presentations by Time

<table>
<thead>
<tr>
<th>Time</th>
<th>Type</th>
<th>Name</th>
<th>Title</th>
<th>Location</th>
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<tbody>
<tr>
<td>11:15 AM</td>
<td>AB</td>
<td>Hayford Agyemang</td>
<td>Myelination and Pediatric SIV (Simian Immunodeficiency Virus)</td>
<td>Glen III</td>
</tr>
<tr>
<td>11:15 AM</td>
<td>AB</td>
<td>Aja Crim-Logan</td>
<td>Computer Based Treatment for Cognitive Behavioral Therapy</td>
<td>Glen II</td>
</tr>
<tr>
<td>11:15 AM</td>
<td>BB</td>
<td>Kevin De Jesus</td>
<td>Elucidating a Mitochondrial Protective Transcriptional Network</td>
<td>Aspen II</td>
</tr>
<tr>
<td>11:15 AM</td>
<td>BB</td>
<td>Michelle Okoreeh</td>
<td>MTAP Inactivation in Cancer</td>
<td>Alder</td>
</tr>
<tr>
<td>11:15 AM</td>
<td>AB</td>
<td>Uchenna Okoro</td>
<td>Characterization and Screening of Monoclonal Antibodies Targeting Abnormal Protein Conformations</td>
<td>Elm I</td>
</tr>
<tr>
<td>11:15 AM</td>
<td>BB</td>
<td>Folasade Sofela</td>
<td>Effects of Hypoxia on gamma-Secretase Activity in Neuronal Cells</td>
<td>Glen I</td>
</tr>
<tr>
<td>11:15 AM</td>
<td>AB</td>
<td>Camila Uechi</td>
<td>Investigating the Mechanisms of Atrial Fibrillation Through the Use of Computational Human Atrial Models</td>
<td>Elm II</td>
</tr>
<tr>
<td>11:30 AM</td>
<td>BB</td>
<td>Kristian Black</td>
<td>Development of Fluorescent RNA Biosensors for the Quantification of Intracellular Metabolites</td>
<td>Aspen II</td>
</tr>
<tr>
<td>11:30 AM</td>
<td>AB</td>
<td>Timothy Borjas</td>
<td>The Effect of Necrostatin-1 on Pancreatic Inflammation and Cancer</td>
<td>Alder</td>
</tr>
<tr>
<td>11:30 AM</td>
<td>AB</td>
<td>Joshua Cole</td>
<td>Elucidating the Modulatory Effects of Flaxseed-derived Lignans on Protein Expression of Macrophage Co-receptors: Implications for HIV Neuroprotection</td>
<td>Aspen I</td>
</tr>
<tr>
<td>11:30 AM</td>
<td>AB</td>
<td>Jeffrey Luery</td>
<td>Diurnal Changes of Neuron Excitability Within the Suprachiasmatic Nucleus Using Voltage-Sensitive Dye Imaging</td>
<td>Glen III</td>
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<tr>
<td>11:30 AM</td>
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<td>Luis Millán-Barea</td>
<td>Francisella Infectivity Potentiator Protein B FipB, and FipA are Important Protectors Against Incorrect Disulfide Bond Formation Caused by Copper Stress in Francisella novicida</td>
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<td>The Economy of Online Courtship: Memoirs of Desperation and Fabrication in Internet-Mediated Dating</td>
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<td>Reclaiming Space and Preserving Cultural History in the Mission District of San Francisco</td>
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<td>Fitting into the Story: Western Romance and Blackness in Toni Morrison’s “Tar Baby”</td>
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<td>The Prison Tragedy: The Failure of Narcotics Criminalization in New York City's War on Drugs</td>
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<td>All I Do Know Is That I Like Being Liked: Conceptualizing Same-Sex Desire in Richard Bruce Nugent's &quot;Gentleman Jigger&quot;</td>
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<td>Am I Who I Say I Am or What They Say I Am?: Identity Construction in Juvenile Courtroom Proceedings</td>
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<td>Not Just a Game: Racialization, Othering and Hypersex in Video Games</td>
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<td>(De)Composing the Self: Embodied Imagery, Theatrical Space and Gender in the Performance of Teresa Hernández</td>
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<td>BB</td>
<td>Imaani Easthausen</td>
<td>Synthesis of a Multimodal Imaging Agent for the Visualization of Pancreatic Beta Cells in vivo</td>
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<td>Elshaddai Ephrem</td>
<td>Role of IRF1 in Lupus: Defining Downstream Targets</td>
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<td>BB</td>
<td>Kafi Friday</td>
<td>Understanding the Mechanisms of Ceftriaxone-Dependent Regulation of Glutamate Transport in the Brain</td>
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<td>Buprenorphine's Potential Antidepressant-like Effects on a Chronic Mild Stress Model</td>
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<td>5:30 PM</td>
<td>AB</td>
<td>Carolina Lopez</td>
<td>Regulation of the SYT-SSX2 Fusion Protein by t(X;18) in Synovial Sarcoma</td>
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<td>Andrew Morton</td>
<td>Targeting HSR1 Affects the Heat Shock Response in Human Brain Cancer Cells</td>
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<td>SS</td>
<td>Carlos Puentes</td>
<td>Does Cognitive Vulnerability to Sleep Loss Relate to Mood Response?</td>
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<td>HU</td>
<td>Marlen Rosas</td>
<td>Protest in Perspective: Prospects of Continuity in Popular Mobilizations in Brazil</td>
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<td>Shanira Suazo</td>
<td>Development of Bioorthogonal Profiling of DNA Methylation (BPDM) Technology to Study the Mechanisms of DNA-Methyltransferases in the Epigenome.</td>
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<td>SS</td>
<td>Brian Walsh</td>
<td>The Association Between Juvenile Arrest, Health Insurance, and Health Care Utilization</td>
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<td>Jasmine Allen</td>
<td>Investigating the Potential for Myogenin to Promote the Amplification of MyHC Expressing Adenoviral Vectors</td>
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<td>The Effects of Utilizing Rap Music in Underserved Classrooms to Improve Student Academic Performance</td>
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<td>Dina Dajani</td>
<td>Decreased Cerebro-Cerebellar Functional Connectivity in Autism</td>
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<td>Felipe Giuste</td>
<td>Elucidating the Role of Neuromedin U Receptor in Erythropoiesis</td>
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<td>SS</td>
<td>Mark Harris</td>
<td>Juvenile Socialization and Courtroom Interactions: A Qualitative Analysis of Client Outcomes</td>
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<td>Nicholas Hernandez</td>
<td>Effects of Post-Translation Modifications on Rate of BACE1 Internalization</td>
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<td>Debra Hernandez</td>
<td>BACE1 Localization and Trafficking in Neurons</td>
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<td>PE</td>
<td>Aurora Llamas</td>
<td>Re-thinking Cultural Values: A Philosophical Approach to Socialized Inequality</td>
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<td>Ariel Mosley</td>
<td>Why Can't I be Sexy, Smart, and Beautiful Enough?: Examining Women's Internalization of Stigma</td>
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<td>Methamphetamine, Inflammation and the Ubiquitin/Proteosome Pathway: Impact on Neurodegeneration</td>
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<td>PE</td>
<td>Alfonso Pacheco</td>
<td>Political Opinion and Congress: A Study on the Failure of Comprehensive Immigration Reform</td>
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<td>AB</td>
<td>Ornella Rutagaram</td>
<td>Detection and Analysis of Genomic Mutations Linked to APOBEC-Mediated Cytidine Deamination</td>
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<td>BB</td>
<td>Michael Snyder</td>
<td>Inducible, Reversible Depletion of Endogenous Proteins in Mammalian Cells</td>
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## Oral Presentations by Room

### Alder, AB/BB
Sharrol Bachas, John Hopkins University, 11:15 - 12:30

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<tr>
<td>Michelle Okoreeh</td>
<td>MTAP Inactivation in Cancer</td>
<td>11:15 AM</td>
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<tr>
<td>Timothy Borjas</td>
<td>The Effect of Necrostatin-1 on Pancreatic Inflammation and Cancer</td>
<td>11:30 AM</td>
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<tr>
<td>Andrei Smid</td>
<td>Skp2 E3-ligase Inhibitors as Probes for Cell Cycle Analysis in Cancer</td>
<td>11:45 AM</td>
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<tr>
<td>Timothy Brown</td>
<td>Insect Cell Expression and Purification of PTEN -- A Key Signaling Phosphatase and Tumor Suppressor</td>
<td>12:00 AM</td>
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<td>Natalia Quijano-Cardé</td>
<td>MR-Visible Lipids as a Biomarker of Cell Stress in Prostate Cancer Cells Treated With Anticancer Drugs</td>
<td>12:15 PM</td>
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<tr>
<td>LeaAnn Love</td>
<td>African American Women and Triple Negative Breast Cancer: Examining the Stigmas of Self Touching that Prevent Its Early Detection</td>
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### Alder, AB/BB
Ciara Gimblet, University of Pennsylvania, 2:45 - 4:00

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<tr>
<td>Rebecca de Frates</td>
<td>The Role of Cdc42 in Cerebellar Granule Cell Development</td>
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<tr>
<td>Melissa Leung</td>
<td>Efficacy of the novel JAK2 inhibitor G6, in Myeloproliferative Neoplasms</td>
<td>3:00 PM</td>
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<td>Liorimar Ramos Medina</td>
<td>Role of Hyperacetylation of Histone H4K12 in Modulating Executive Cognitive Functioning in Mice Exposed to Early Life Stress</td>
<td>3:15 PM</td>
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<td>Shannon Litke</td>
<td>Neurotensin Attenuates the Methamphetamine-Induced Increase in Phosphorylation of DARPP-32, Dopamine and cyclic AMP-Regulated Phosphoprotein, Via the Nitric Oxide/cyclic GMP Signaling Pathway in Striatal Neurons of Mice</td>
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<td>Kathryn Sanchez</td>
<td>Assessing Hippocampal Metabolism of MPS VII Mice by High Resolution Respirometry</td>
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<td>Can Buldun</td>
<td>The Effects of Haloperidol, Clozapine and Risperidone on Glutamatergic Synapses</td>
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### Alder, AB/BB
Maria Sacta, Weill Cornell Medical College, 4:45 - 5:45

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<tr>
<td>Ahmed Malik</td>
<td>Role of Huntington's Disease Protein in Translation</td>
<td>4:45 PM</td>
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<tr>
<td>Julian Roby</td>
<td>Immature Neuron Proliferation in Correlation to Cognition in Aging Vervet Monkeys</td>
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<tr>
<td>Kaitland Brannon</td>
<td>Styryl-Based Compounds as Novel Potential Therapeutic Agents for Alzheimer’s Disease</td>
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<td>Understanding the Mechanisms of Ceftriaxone-Dependent Regulation of Glutamate Transport in the Brain</td>
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### Aspen I, AB/BB
Andrew Drysdale, Weill Cornell Medical College, 11:15 - 12:30

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<tr>
<td>Angel Ortiz Rodriguez</td>
<td>Interferon-gamma Mediated Degradation of HemeOxxygenase-1 (HO-1) Via Induction of the Immunoproteasome in Human Primary Macrophages: Implications for HIV Associated Neurocognitive Disorder</td>
<td>11:15 AM</td>
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<tr>
<td>Joshua Cole</td>
<td>Elucidating the Modulatory Effects of Flaxseed-derived Lignans on Protein Expression of Macrophage Co-receptors: Implications for HIV Neuroprotection</td>
<td>11:30 AM</td>
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<tr>
<td>Cristhian Cadena</td>
<td>Impact of Defective Viral Genomes Sequence Modifications in Their Immunostimulatory Activity</td>
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<td>Erran Briggs II</td>
<td>The Study of the HIV-1 5'UTR Monomer-Dimer Equilibrium by Native Size Exclusion Chromatography</td>
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<td>Irene Lee</td>
<td>Use of Immune Complex Vaccine as a Novel Immunogen to Generate Broad HIV-1 Neutralizing Antibodies</td>
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<tr>
<td>Marilyn Le</td>
<td>The Effects of Reverse Transcriptase Inhibitors on LINE-1 Retrotransposon Expression in Human Fibroblasts</td>
<td>12:30 PM</td>
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<td><strong>Aspen I, AB/BB</strong></td>
<td><strong>Tomas Mejome, University of Pennsylvania, 2:45 - 4:00</strong></td>
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<tr>
<td>Gifty Addae</td>
<td>Investigating Novel Proteins And MicroRNAs In Leukemogenesis</td>
<td>2:45 PM</td>
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<td>Gordon Pherribo</td>
<td>Optimizing shRNA to Target Specific RNA-Binding Protein Transcripts</td>
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<td>Phillip Thomas</td>
<td>An Unbiased Screen Identifies New Pf1 Interactors With Biological Significance in Chromatin Modification and Transcriptional Control</td>
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<td>Adrian Rivera</td>
<td>siRNA Library Screen of ZMYND11 Interacting Partners</td>
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<td>Natalia Herrera</td>
<td>Generating an Antibody Against Retinoic Acid Receptor-Related Orphan Receptor Alpha (Rora) to Define its Transcriptional Targets</td>
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<td>Oluwadara Coker</td>
<td>Investigating the Role of Non-Coding RNAs in Immunoglobulin Heavy Chain Locus Rearrangements</td>
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<td><strong>Aspen I, AB/BB</strong></td>
<td><strong>Iboro Umana, University of Chicago, 4:45 - 5:45</strong></td>
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<td>Shenee’ Martin</td>
<td>The Study of TDP-1 and FUST-1 in C. elegans to Understand Their Role in Amytrophic Lateral Sclerosis</td>
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<td>Sean Dougherty</td>
<td>Hyperoxia Protects Against Isoflurane-induced Apoptosis in the Rat Neonatal Brain</td>
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<td>Jessica Hartling</td>
<td>Iron Responsive Element (IRE)-mRNA Conformation Changes Induced by Manganese Ion (Mn2+)</td>
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<td>Buprenorphine’s Potential Antidepressant-like Effects on a Chronic Mild Stress Model</td>
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<td><strong>Monique Foster, New York University, 11:15 - 12:30</strong></td>
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<td>Kevin De Jesus</td>
<td>Elucidating a Mitochondrial Protective Transcriptional Network</td>
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<td>Kristian Black</td>
<td>Development of Fluorescent RNA Biosensors for the Quantification of Intracellular Metabolites</td>
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<td>Laura Agosto-Rosa</td>
<td>Signal-Induced Alternative Splicing in Primary T Cells and Cell Lines</td>
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<td>Lindsey Brier</td>
<td>Assessing the Effects of RNase H rRNA Depletion on Technical Variability in RNA Sequencing Experiments</td>
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<td>Zakariyah Sharif-Sidi</td>
<td>Bioinformatic Analysis of the Transcription Factors Involved in Cochlear Synapse Formation</td>
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<td>Carlos Santos-Perez</td>
<td>DAX1 and WT1: Novel Regulatros of the LHß Transcription</td>
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<td><strong>Teresa Ramirez, Brown University, 2:45 - 4:00</strong></td>
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<td>Adewola Osunsade</td>
<td>Assessing the Functionality of Protein Kinase C Isozymes Using Wildtype and Constitutively Active Forms of PKC-alpha and PKC-epsilon</td>
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<td>Davys Lopez</td>
<td>Localization of the Polarity Regulator PAC-1 by Components of the Cadherin-Catenin Complex</td>
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<td>Kervin Charles</td>
<td>A Role for R-Ras in Formation of HFS-LTP and Contextual Discrimination Learning via Activation by RasGRF1</td>
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<td>James Damiano</td>
<td>Mechanism of JAK2 Autoinhibition Identified by Molecular Dynamics Simulation</td>
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<td>Karen Rico</td>
<td>Relationship Between Acyl-CoA Thioesterase 7 and Saturated Fatty Acid-Induced JNK Activation</td>
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<td>Nicholas Pizzi</td>
<td>Analysis of Hey1 Expression in Lamprey Pharyngeal Arches</td>
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| Aspen II, AB/BB       | *Kendra Vann, Vanderbilt University, 4:45 - 5:45*  
Catrina Johnson       | Contribution of the E74-Like Factor 3 to the Toll-Like Receptor-Driven Catabolic Responses in Articular Chondrocytes: Potential Role in Cartilage Destruction in Osteoarthritis | 4:45 PM|
| Joseph Villanueva     | Joint Repair: Engineering Tissue Scaffolds Using Polyethylene Glycol Hydrogels                   | 5:00 PM|
| MacKenzie Taylor      | Novel Bisphosphonates and Osteoblast Differentiation and Mineralization                          | 5:15 PM|
| Carolina Lopez        | Regulation of the SYT-SSX2 Fusion Protein by t(X;18) in Synovial Sarcoma                        | 5:30 PM|
| Jasmine Allen         | Investigating the Potential for Myogenin to Promote the Amplification of MyHC Expressing Adenoviral Vectors | 5:45 PM|
| Belltown, HU/SS/PE    | *Cory Hunter, Princeton University, 2:45 - 4:00*  
Jemima Georges        | An Examination of the Impacts Prehistoric Cahokians Had on Their Natural Environment            | 2:45 PM|
| Daniel Nissani        | Characterizing Forms of Mathematical Discourse                                                  | 3:00 PM|
| Michael Rabadi        | Exploring the Temporal Limits of Visual Processing of Familiar and Unfamiliar Objects at the Subordinate-Category Level | 3:15 PM|
| Morgan Clark          | Not Just a Game: Racialization, Othering and Hypersex in Video Games                            | 3:30 PM|
| Guadalupe Gonzalez    | The Role of Gender and Stage of Acquisition in the Language Processing of L2 Learners           | 3:45 PM|
| Alexandra Jones       | Examining the Mind of a Student: How Unconscious Biases and Heuristics Influence Academic Decision-Making | 4:00 PM|
| Belltown, HU/SS/PE    | *Craig Holloway, Yale University, 4:45 - 5:45*  
Fartun Dirie           | Antenatal Care and Healthcare Access in Mozambique: An Issue of Spatial Inequality?             | 4:45 PM|
| Justin Henderson      | Could Your DNA Soon Be in a Federal or State Database?                                           | 5:00 PM|
| Ashley Lowery         | Surveillance of Youth Tobacco Involvement Using Google Trends                                    | 5:15 PM|
| Carlos Puentes        | Does Cognitive Vulnerability to Sleep Loss Relate to Mood Response?                             | 5:30 PM|
| Dina Dajani           | Decreased Cerebro-Cerebellar Functional Connectivity in Autism                                 | 5:45 PM|
| Cove I, HU/SS/PE      | *Larry Perry, University of Virginia, 2:45 - 4:00*  
Annecaroline Clark    | Harm Reduction in the United States: The Early Development of New York City’s Syringe and Needle Exchange Policy, 1985-1989 | 2:45 PM|
| David Hutchinson      | All I Do Know Is That I Like Being Liked: Conceptualizing Same-Sex Desire in Richard Bruce Nugent’s “Gentleman Jigger” | 3:00 PM|
| Dayana De La Torre    | Drug Busted in New York City: Law Enforcement and Crime in the 1980s                            | 3:15 PM|
| Andrew Tuck           | Identifying Motivations for Medication Adherence in HIV-Positive Methamphetamine-Using Men Who Have Sex With Men | 3:30 PM|
| Danielle McColgan     | Historicizing Health Promotion: Anti-Drug Prevention in New York City From 1978-1989           | 3:45 PM|
| William Beischel      | Executive Functioning in Sexually Compulsive Gay and Bisexual Men                               | 4:00 PM|
### Cove I, HU/SS/PE
**Daisy Camacho, UCLA, 4:45 - 5:45**

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<td>Dana Muñiz</td>
<td>The Culture of Work: The Economy of the Sugar Mills and Company Towns at the Caribbean Basin in the 20th Century</td>
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<td>Elsa Hardy</td>
<td>Cultures of Power: Harlem Children's Zone and Poverty Intervention Efforts</td>
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<tr>
<td>Noe Lopez</td>
<td>Living In Between Nations: Discussing Mixtec Transnationalism in the United States and Mexico</td>
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<td>Nykhala Coston</td>
<td>The Public Perception of Interracial Dating varies as a Function of Prejudice, Environmental Diversity, and Racial Identity</td>
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### Cove II, HU/SS/PE
**Sarah Ohle, University of Colorado Boulder, 2:45 - 4:00**

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<td>Carrie Moore</td>
<td>Fitting into the Story: Western Romance and Blackness in Toni Morrison's “Tar Baby”</td>
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<td>Evan Coles</td>
<td>The Literature of Black Marxism: A Critical Look at Religious Domination</td>
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<tr>
<td>Laura Ortiz</td>
<td>Witchcraft and Gender in Shakespeare’s Tragedies and Histories</td>
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<td>Nikeeyia Howell</td>
<td>Demystifying the Strangeness: An Intertextual Analysis of Mark Twain’s No.44, The Mysterious Stranger</td>
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<td>Paul Cato</td>
<td>Polyphony, Responsibility, &amp; Active Love: A Reconsideration of Dostoevsky’s and Lévinas’ Philosophies of Love</td>
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<td>Tyler Sharp</td>
<td>Love Prejudice: An Underestimated Social Problem</td>
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### Cove II, HU/SS/PE
**Simon Howard, Tufts University, 4:45 - 5:45**

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<td>Stanley Collins</td>
<td>Social Capital Inside the Courtroom: An Analysis of the Networks That Assist Youth In Navigating the Juvenile Justice System</td>
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<td>Steven Jefferson</td>
<td>China in the World: The Representation of Ethnic Minorities in the Media</td>
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<td>Taylor Ulmer</td>
<td>African Immigration to America and the Tri-Concious Identity</td>
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### Elm I, AB/BB
**Sofia Gayle, Yale University, 11:15 - 12:30**

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<td>Uchenna Okoro</td>
<td>Characterization and Screening of Monoclonal Antibodies Targeting Abnormal Protein Conformations</td>
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<tr>
<td>Luis Millán-Barea</td>
<td>Francisella Infectivity Potentiator Protein B FipB, and FipA are Important Protectors Against Incorrect Disulfide Bond Formation Caused by Copper Stress in Francisella novicida</td>
<td>11:30 AM</td>
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<tr>
<td>Joshua Rosario Sepulveda</td>
<td>Structure Analysis of Human Red Cell Spectrin Using Homobifunctional Crosslinkers and High Resolution Mass Spectrometry</td>
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<tr>
<td>Pauline Xu</td>
<td>Quantitative Phosphoproteomic Analysis Using High-Resolution Tandem Mass Spectrometry</td>
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<tr>
<td>Stephanie Castillo</td>
<td>Dissecting Interactions Between BamA and BamD Via Binding and Fluorescence Studies</td>
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<tr>
<td>Arianna Espinoza</td>
<td>Using Fluorescence Anisotropy to Understand How MARCKS-ED Peptide Binds to Microvesicles</td>
<td>12:30 PM</td>
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<td><strong>Elm I, AB/BB</strong>&lt;br&gt;Rhea Richardson, Stanford University, 2:45 - 4:00</td>
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<tr>
<td>Bianca Flores</td>
<td>The Effects of Mycobacterium vaccae on Serotonergic Systems, Immune Activation, and Behavior in the Forced Swim Test</td>
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<tr>
<td>Stephanie Rivera Morales</td>
<td>Plasmodium falciparum Strain Specific Malaria Infection Symptoms and Immunity</td>
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<td>Tasnia Ali</td>
<td>Role of ITGAD in Early Activation of Memory CD4+ T Cells</td>
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<td>Onyemaechi Nwanaji-Enwerem</td>
<td>The Biological Significance of Soluble Co-Inhibitory Receptors, B-/T-Lymphocyte Attenuator (BTLA), and its Ligand, Hepatitis Virus Entry Protein (HVEM), in the Development of Sepsis in Mice</td>
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<td>Jaime Aponte</td>
<td>Impact of RAGE Deletion and Mitochondrial Biogenesis</td>
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<td>Michael Okoreeh</td>
<td>Novel Regulators of Early B Cell Survival and Proliferation</td>
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<td><strong>Elm I, AB/BB</strong>&lt;br&gt;Carlos Vera, University of Colorado Boulder, 4:45 - 5:45</td>
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<tr>
<td>Damla Gonullu</td>
<td>The Association Between Peripheral Blood Leukocyte Telomere Length and Female Reproductive Aging</td>
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<tr>
<td>Fei Peng</td>
<td>The Role of Aldosterone in Endothelial Cell Migration</td>
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<tr>
<td>Joshua Taliaferro</td>
<td>Utilizing Microfluidics to Study Platelet Activity and Thrombus Formation In Vitro</td>
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<td>Elshaddai Ephrem</td>
<td>Role of IRF1 in Lupus: Defining Downstream Targets</td>
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<tr>
<td>Felipe Giuste</td>
<td>Elucidating the Role of Neuromedin U Receptor in Erythropoiesis</td>
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<td><strong>Elm II, AB/BB</strong>&lt;br&gt;Princess Gilbert, UCLA, 11:15 - 12:30</td>
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<tr>
<td>Camila Uechi</td>
<td>Investigating the Mechanisms of Atrial Fibrillation Through the Use of Computational Human Atrial Models</td>
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<tr>
<td>Babajide Oluwadare</td>
<td>Determining the Contribution of Fibroblast Connexin Expression to the Conduction Properties of Injured Cardiac Tissue</td>
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<td>Javier Sierra-Pagán</td>
<td>Characterization of the Role of Hdac3 and Hopx in Cardiac Cell Differentiation In Vitro</td>
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<tr>
<td>Rajeshkhar Basak</td>
<td>The Mechanism of Acrolein-Induced Lung Endothelial Permeability</td>
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<tr>
<td>Kyle Tucker</td>
<td>Cell Cycle Effects of Delta Np63 alpha and SAMD9L on Lung Squamous Cell Carcinoma</td>
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<tr>
<td>Saiah Yates</td>
<td>Phosphorylation of Threonine 45 of Histone H3 and the Effects of Alanine and Aspartic Acid Mutations</td>
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<td><strong>Elm II, AB/BB</strong>&lt;br&gt;Santas Rosario, University of Miami, 2:45 - 4:00</td>
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<tr>
<td>Ryan Spector</td>
<td>The Role of CDC25A in Neuronal Apoptosis</td>
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<tr>
<td>Mayra Rios</td>
<td>Expression Level of Transient Receptor Potential Vanilloid-4 (TRPV4) in Mice During Lung Development</td>
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<tr>
<td>Raquel Tripp</td>
<td>Separation of Maternal and Fetal Components of Products of Conception (POC) Using Laser Capture Microdissection and Evaluation of Direct PCR for Paternity Testing in Sexual Assault Cases</td>
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<tr>
<td>Phillip Stephens</td>
<td>Understanding the Genetic Pathways Controlling Foraging Behavior in C. Elegans Using Double Mutant Analysis</td>
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<tr>
<td>Claudia Lovell</td>
<td>The Role of BET Proteins in Embryonic Stem Cell Fate Decisions</td>
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<tr>
<td>Sarah Schrader</td>
<td>Modeling IDH1 Mutations in Neural Cell Types Derived from Human Embryonic Stem Cells</td>
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<tr>
<td>Room: Elm II, AB/BB</td>
<td>Student: Zakiya Whatley, Duke University</td>
<td>Time: 4:45 - 5:45</td>
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<tr>
<td>Jere’ Hutson</td>
<td>Purification and Characterization of TAT-Cre for Ex Vivo Gene Deletion</td>
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<tr>
<td>Jose Grullon</td>
<td>Functional Analysis and Localization of NIS, MCT1, and MCT4 Proteins</td>
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<tr>
<td>Bao Ying Chen</td>
<td>Defining Protein Phosphatase 2A Complexes and Substrates That Regulate Ethylene Biosynthesis in Arabidopsis</td>
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<tr>
<td>Cristina Castro-Rivera</td>
<td>Endosomal Recycling of KATP Channels: The Role of EHD Proteins</td>
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<tr>
<td>Michael Snyder</td>
<td>Inducible, Reversible Depletion of Endogenous Proteins in Mammalian Cells</td>
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<tr>
<th>Room: Glen I, AB/BB</th>
<th>Student: Michael Burel, New York University</th>
<th>Time: 11:15 - 12:30</th>
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<tr>
<td>Folasade Sofela</td>
<td>Effects of Hypoxia on gamma-Secretase Activity in Neuronal Cells</td>
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<tr>
<td>Kelsey Wanhainen</td>
<td>Structural and Biophysical Studies of TREM2 in Neurological Diseases</td>
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<tr>
<td>Alicia Sanchez</td>
<td>Arginine Vasopressin Neurons in Suprachiasmatic Nucleus of Transgenic Mice Deficient in FGF8 and FGFR1</td>
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<td>Amy Zhang</td>
<td>A Quirky Inhibitory Circuit in the Cerebral Cortex</td>
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<td>Robert Myers</td>
<td>Neoplastic Transformation of Neural Precursor Cells to Model Glioblastoma Multiforme (GBM)</td>
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<tr>
<td>Madeline Pelz</td>
<td>Imaging and Characterization of Hippocampal Circuits Implicated in Temporal Lobe Epilepsy</td>
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<tr>
<th>Room: Glen I, AB/BB</th>
<th>Student: Kevin Leclerc, Columbia University</th>
<th>Time: 2:45 - 4:00</th>
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<tr>
<td>Claudio Macias</td>
<td>Self-assembled Supramolecular Nanobelts for Antibiotic Delivery</td>
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<tr>
<td>Raymond Barry</td>
<td>The Effects of the Microbiome on Health and Disease</td>
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<td>Sydney Lomnes</td>
<td>Host and Parasite Communities: How Interactions Between Chaetogaster limnaei and Echinostoma sp. Affect Snail Hosts</td>
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<td>Daniel Guzman</td>
<td>Analysis of the IgE Response in Nippostrongylus Brasilienis-Infected Mice</td>
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<td>Avani Comer</td>
<td>Functional Analysis of Crohn’s Disease and Mycobacteria in Ashkenazi Jews</td>
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<tr>
<td>Vaughn Spurrier</td>
<td>NMR Studies of the Q5A, G6S Unmyristylated Feline Immunodeficiency Virus Matrix Protein</td>
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<tr>
<th>Room: Glen I, AB/BB</th>
<th>Student: Ashley Schloss, Yale University</th>
<th>Time: 4:45 - 5:45</th>
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<tr>
<td>Amber Shaffer</td>
<td>Does Depression Lead to Incident Diabetes in African Americans?: The Jackson Heart Study</td>
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<tr>
<td>Matthew Gonzalez</td>
<td>The Role of UCP1 and IAPP in the Progression of Diabetes</td>
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<tr>
<td>Nakul Talathi</td>
<td>NRF2 Expression in Diabetic Wound Healing Tissue</td>
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<td>Imaani Easthausen</td>
<td>Synthesis of a Multimodal Imaging Agent for the Visualization of Pancreatic Beta Cells in vivo</td>
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<td>Nicholas Hernandez</td>
<td>Effects of Post-Translation Modifications on Rate of BACE1 Internalization</td>
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<tr>
<th>Room: Glen II, AB/BB</th>
<th>Student: Mercedes Burns, University of Maryland, Baltimore County</th>
<th>Time: 11:15 - 12:30</th>
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<tbody>
<tr>
<td>Aja Crim-Logan</td>
<td>Computer Based Treatment for Cognitive Behavioral Therapy</td>
<td>11:15 AM</td>
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<tr>
<td>Isabel Morgan</td>
<td>Socioeconomic Status and Child Cognitive Outcomes at Age 7; Maternal Cortisol as a Possible Mediator</td>
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<tr>
<td>Zoe Spafford</td>
<td>The Spacial Organization of Skilled Behavior Within an Identified Neural Circuit</td>
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<tr>
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<td>12:00 PM</td>
<td>Bryan Morales</td>
<td>Assessing the Effects of Sleep Homeostasis in Activity-Dependent Plasticity: The Spatiotemporal Expression of Plasticity-Related Proteins Within a Sleep Deprivation Study Using the Model Organism Mus musculus</td>
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<td>Diana Nwokoye</td>
<td>Spatial and Temporal Expression Patterns of MBD2: Protein Implicated in Autistic-like Phenotypes</td>
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<td>Sandy Chan</td>
<td>Effect of Aspirin on Microhemorrhage Diameters in Rodent Brains</td>
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<td>LaTonya Simon</td>
<td>Synthesis and Characterization of Photodegradable Oxime Derived Microparticles</td>
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<td>1:00 PM</td>
<td>Andrea Shergalis</td>
<td>Stabilities of Rhenium Complexes Formed by N2S2 and N3S Ligands</td>
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<td>Bosoye Olateru-Olagbegi</td>
<td>The Use of Sodium Nitrite in the Reversal of Vascular Dysfunction</td>
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<td>Aida Alazar</td>
<td>A Small Molecule Screen To Identify Modulators Of C-cell Development In Zebrafish Embryos</td>
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<td>Osaze Udeagbala</td>
<td>Searching for Drug Leads: A Live Cytotoxicity Assay Against Giardia lamblia</td>
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<tr>
<td>2:00 PM</td>
<td>Marco Carpenter</td>
<td>Identifying Schizophrenia Associated Gene Targets of the Transcription Factor c-myb</td>
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<td>2:45 PM</td>
<td>Diana Lizarazo, Brown University, 2:45 - 4:00</td>
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<td>2:45 PM</td>
<td>Javier Castillo</td>
<td>The Effect of Innate Immune Modulation via Toll-Like Receptor 9 on the Amelioration of Cerebral Amyloid Angiopathy in Alzheimer’s Disease</td>
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<td>Ugomma Eze</td>
<td>Requirement of FUS in mES-Derived Motor Neuron Survival; Implications for ALS</td>
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<td>Aaron Neal</td>
<td>mRNA Expression of Clock Genes Perl and Bmal in the Hippocampus and the Amygdala</td>
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<td>Andrew Morton</td>
<td>Targeting HSR1 Affects the Heat Shock Response in Human Brain Cancer Cells</td>
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<td>Debra Joe</td>
<td>BACE1 Localization and Trafficking in Neurons</td>
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<tr>
<td>4:45 PM</td>
<td>Daniel Powell</td>
<td>Elucidating Cellular and Molecular Mechanisms of Estrogen Dependent TAF4B Upregulation</td>
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<tr>
<td>5:00 PM</td>
<td>Selamawi Tilahun</td>
<td>Analysis of Sperm Telomere Length in Men With Clinical Infertility and Its Extensive Variation Within Specimens</td>
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<td>5:15 PM</td>
<td>Carolina Larrain</td>
<td>Characterization of Ontogenetic Columns in Reeler Mice</td>
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<td>Rochelle Sadeghi</td>
<td>Spontaneous Changes in Immortalized Mammalian Cell Lines Result in Cell Competition</td>
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<tr>
<td>6:00 PM</td>
<td>Joanna Marcano, University of Colorado Boulder, 2:45 - 4:00</td>
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<td>6:00 PM</td>
<td>Hayford Agyemang</td>
<td>Myelination and Pediatric SIV (Simian Immunodeficiency Virus)</td>
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<td>Jeffrey Luery</td>
<td>Diurnal Changes of Neuron Excitability Within the Suprachiasmatic Nucleus Using Voltage-Sensitive Dye Imaging</td>
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<td>Cecile Gaston</td>
<td>Novel Role of the Neuronal Guidance Cue, Netrin-1 in Abdominal Aortic Aneurysm Formation</td>
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<td>Rachel Lee</td>
<td>Ultrasonic Actuation Reduces Brain Inflammatory Response to Neural Microelectrode Insertion</td>
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<td>7:00 PM</td>
<td>Emilio Soto</td>
<td>The Role of Sensory Cortex in Cue-induced Relapse to Drug Addiction</td>
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<td>Ephrat Tesfaye</td>
<td>Changes in the Synaptic Plasticity of the Hypothalamic Paraventricular Nucleus Following Hypertension in the AOF Menopausal Mouse Model</td>
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<td>8:00 PM</td>
<td>Joan Marcano, University of Colorado Boulder, 2:45 - 4:00</td>
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<td>Sherry Gee</td>
<td>Role of ANO-1 in Endothelial Cell Proliferation and Migration</td>
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<tr>
<td>Joshua Frenster</td>
<td>Fluorescent Reporter System for Directing Hematopoietic Lineage Specification</td>
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**Glen III, AB/BB**  
Ciara Torres Vargas, Columbia University, 4:45 - 5:45

| Kathryn Wu | Hypermethylation of CpG Sites Upstream of Hexanucleotide Repeat Expansions in the C9ORF72 Gene of ALS and FTD Patients | 4:45 PM |
| Kristen Bascombe | Determining the Source of and Maximizing the Yield from DNA on Touched Objects by Microscopic Visualization and Direct PCR | 5:00 PM |
| Nicole Bowman | High Fat Diet Drives Epigenetic Changes: A Role for DNA Methyltransferase | 5:15 PM |
| Shanira Suazo | Development of Bioorthogonal Profiling of DNA Methylation (BPDM) Technology to Study the Mechanisms of DNA-Methyltransferases in the Epigenome. | 5:30 PM |
| Ornella Rutagarama | Detection and Analysis of Genomic Mutations Linked to APOBEC-Mediated Cytidine Deamination | 5:45 PM |

**Glenbrook, PS/EN/ES**  
Jose Solis, University of Colorado Boulder, 2:45 - 4:00

| Aisha Dorta | A Quantitative Analysis of the Biological Terraformation of a Planet | 2:45 PM |
| Corie Jade Carter | Microbial Ecology of Biological Nitrogen Fixation in MT Soils | 3:00 PM |
| Timothy Salazar | Analyzing Biocontrol Capability; Mecinus janthiniformis and Linaria dalmatica: A Blessed Communion? (ABCs of Weevils and Toadflax) | 3:15 PM |
| Franklin Roman-Rodriguez | Bacterial Cultures From Tadpoles of the Bullfrog Lithobates catesbeianus (Previously Rana catesbeiana) | 3:30 PM |
| Joseph Geraghty | Synthesis of Enantiopure Nantenine Analogs as Serotonin 5-HT2A Receptor Antagonists | 3:45 PM |
| Michael Hawkins | Using Ultraviolet Light to Inactivate the Bacteriophage MS2 | 4:00 PM |

**High Ridge, PS/EN/ES**  
Brittny Davis, University of Maryland, Baltimore County, 2:45 - 4:00

| Anna Stephenson | Manipulating Atoms to Create Artificial Materials | 2:45 PM |
| Alexis Morris | Description of the Behaviors and Electron Correlation in LaNiO3 and NdNiO3 Through First Principles Theory | 3:00 PM |
| Peter Lowrie | X-Ray Vision: Using X-Ray Interference Patterns to Track the Growth of Silicon Oxide Layers | 3:15 PM |
| Melissa Kreider | Synthesis of a Dense, High Aspect Ratio Zinc Oxide Nanowire Forest Using the PS-P MMA Block Copolymer | 3:30 PM |
| Jayilssa Torres | Co and Zr oxides/ Si (001) Epitaxial Growth and Surface Analysis: Ultra High Vacuum System Validation | 3:45 PM |
| Lena Ibrahim | Effects of Rigidity of Bent-Core Liquid Crystal Spacer Groups | 4:00 PM |

**Long Ridge, PS/EN/ES**  
Dennis Gardner Jr., University of Colorado Boulder, 2:45 - 4:00

<p>| George Torres | Deconstructing Graphs and Their Eigenspectra | 2:45 PM |
| Dorcas Huang | Modeling Cellular Response to Nanopatterned Bulk Metallic Glasses | 3:00 PM |
| Hassan Omar | Development of Bulk Metallic Glasses and Experimental Calibration of Blow Molding Procedures | 3:15 PM |
| Jana Dodson | SEM and EDS Characterization of Bulk Metallic Glass | 3:30 PM |
| Rebecca Betances | Cellular Responses to Nanopatterned Bulk Metallic Glasses | 3:45 PM |</p>
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<thead>
<tr>
<th>Time</th>
<th>Speaker and Affiliation</th>
<th>Title of Presentation</th>
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<tr>
<td>4:00 PM</td>
<td>Alexander Bruch</td>
<td>High Finesse Cavity for Characterizing the Optical Loss in Thin Films of Barium Titanate</td>
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</table>

### Springdale I, HU/SS/PE
Amaury Sosa, New York University, 2:45 - 4:00

- **Darien Pollock**
  - 21st Century American Street Philosophy and the Philosophy of Mass Incarceration
  - 2:45 PM
- **Henry Capps III**
  - The Prison Tragedy: The Failure of Narcotics Criminalization in New York City’s War on Drugs
  - 3:00 PM
- **Gabriel Augusto Sanchez**
  - Poverty and Race in the United States
  - 3:15 PM
- **Emily Rogers**
  - “Invisible Wounds” or Invisible Politics? Neoliberalism, Post-Traumatic Stress Disorder, and Imagined US Vulnerability in the “War on Terror”
  - 3:30 PM
- **Donald Brown**
  - Universalism, Particularism, and the Limits Therein: Post-World War II Politics on Race
  - 3:45 PM
- **Emily Artalejo**
  - Female Paramilitary Experience in Northern Ireland
  - 4:00 PM

### Springdale I, HU/SS/PE
Felicia Moralez, University of Notre Dame, 4:45 - 5:45

- **Viviana Rivera-Burgos**
  - Did Hurricane Sandy Dent the Vote? Evidence From a Large-Scale Study in New York City
  - 4:45 PM
- **N’Kosi Oates**
  - Geographic Neighborhood Poverty and Political Participation
  - 5:00 PM
- **Princess Williams**
  - Are More Women Needed in the Congressional Black Caucus?
  - 5:15 PM
- **Marlen Rosas**
  - Protest in Perspective: Prospects of Continuity in Popular Mobilizations in Brazil
  - 5:30 PM
- **Alfonso Pacheco**
  - Political Opinion and Congress: A Study on the Failure of Comprehensive Immigration Reform
  - 5:45 PM

### Springdale II, HU/SS/PE
Cory Hunter, Princeton University, 12:30

- **Andrew Anguiano**
  - The Economy of Online Courtship: Memoirs of Desperation and Fabrication in Internet-Mediated Dating
  - 12:30 PM

### Springdale II, HU/SS/PE
Colleen Tripp, Brown University, 2:45 - 4:00

- **Melisa Rojas**
  - Examining Reciprocal Communication in Youth with Autism Spectrum Disorders Following a Peer-Mediated Theatre Intervention
  - 2:45 PM
- **Princess Cobbs**
  - Health Care Utilization by Young Adults That Have Been Affected by the Criminal Justice System Compared to Those That Have Not
  - 3:00 PM
- **Jillian Haynes**
  - Candidate Physiological Markers of Perceived Stress
  - 3:15 PM
- **Rafael Perez**
  - The Effects of Social Stress on HDAC6-Related Proteins
  - 3:30 PM
- **Shayna McCormack**
  - Bipolar Disorder and Medicinal Nonadherence
  - 3:45 PM
- **Coralie Pardo**
  - Sex Differences in CREB Expression After Administration of Cocaine, Methamphetamine, and Cannabinoids
  - 4:00 PM

### Springdale II, HU/SS/PE
Devon Wade, Columbia University, 4:45 - 5:45

- **Veronica Rivera-Negron**
  - (De)Composing the Self: Embodied Imagery, Theatrical Space and Gender in the Performance of Teresa Hernández
  - 4:45 PM
- **Katryna Mahoney**
  - Black Activists in 'White Africa': Exploring sub-Saharan Migrant-Activism in Morocco
  - 5:00 PM
- **Mario Castillo**
  - Kill/Capture: The Chichimec War in North Central Mexico, 1550-1600
  - 5:15 PM
<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
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<tbody>
<tr>
<td>Aurora Llamas</td>
<td>Re-thinking Cultural Values: A Philosophical Approach to Socialized Inequality</td>
<td>5:45 PM</td>
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<td><strong>Waterside, HU/SS/PE</strong></td>
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<tr>
<td>Jewell Debnam, Columbia University</td>
<td>4:45 - 5:45</td>
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<tr>
<td>Cynthia Garcia</td>
<td>Reclaiming Space and Preserving Cultural History in the Mission District of San Francisco</td>
<td>2:45 PM</td>
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<tr>
<td>Lauren Highsmith</td>
<td>The Divide: Modernism and Afro-Modernism</td>
<td>3:00 PM</td>
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<tr>
<td>Sade Williams</td>
<td>Am I Who I Say I Am or What They Say I Am?: Identity Construction in Juvenile Courtroom Proceedings</td>
<td>3:15 PM</td>
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<tr>
<td>Yaritza Perez</td>
<td>Learned Helplessness or Tradition: An Examination of the Transgenerational Use and Perspective of Corporal Punishment and Authoritarianism in African American and Hispanic Families</td>
<td>3:30 PM</td>
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<tr>
<td>Sagirah Wheeler</td>
<td>Words of Encouragement: Listening to the Past in Order to Prepare for the Future</td>
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<td>Matthew McCauley</td>
<td>Talking About God: A Univocal Approach</td>
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<td>Narayani Lasala, Princeton University</td>
<td>2:45 - 3:45</td>
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<tr>
<td>Miata Rogers</td>
<td>The Effect of Academic Resources on College Retention Rates</td>
<td>4:45 PM</td>
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<tr>
<td>Stephon Richardson</td>
<td>The Black New Left: African-American Radical Groups of the Late 1950s to the Early ’60s</td>
<td>5:00 PM</td>
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<tr>
<td>Hailey Neubauer</td>
<td>The Influence of the War on Drugs on Felons’ Voting Rights Legislation and Voter Turnout in the South</td>
<td>5:15 PM</td>
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<td>Brian Walsh</td>
<td>The Association Between Juvenile Arrest, Health Insurance, and Health Care Utilization</td>
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<td>Mark Harris</td>
<td>Juvenile Socialization and Courtroom Interactions: A Qualitative Analysis of Client Outcomes</td>
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<td>Jenn Demers, Dartmouth College</td>
<td>2:45-4:00</td>
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<tr>
<td>Mary Ng</td>
<td>Characterizing Precipitation in East Africa</td>
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<td>Brian Matilla</td>
<td>Convection Initiation along the Rocky Mountain Front Range</td>
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<td>Miguel Frias</td>
<td>Seismic Soil Structure Interaction and Lateral Earth Pressures Near Buried Water Reservoir Structures in Southern California</td>
<td>3:15 PM</td>
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<tr>
<td>Maxwell Kesselly</td>
<td>Utilization of Solar Energy in Residential Homes to Achieve Complete Net-Zero Energy Solar Homes</td>
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<td>Stephen Vicchio</td>
<td>A Combinatorial Study of the Dealloying of Au/Ag/Pd Metal Alloys For Improved Fuel Cell Catalysts</td>
<td>3:45 PM</td>
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<td>Kevin Trujillo</td>
<td>Developing Photovoltaic Cells Using Semiconducting Polymers – Novel Methods of Harvesting Solar Energy</td>
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<td>Jose Solis, University of Colorado Boulder,</td>
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<td>Stello Passes</td>
<td>Radon Project</td>
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<td>Isatis Cintron</td>
<td>Real Time in situ Source Characterization for BC in Total Aerosol</td>
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**Oral Presentations by Name**

**Gifty Addae** .......................... 2:45 PM, Aspen I
Presentation Title: Investigating Novel Proteins And MicroRNAs In Leukemogenesis
Research Mentor: Christina Spevak
Research Institution: Weill Cornell Medical College
Home Institution: UMass Boston
Co-Authors: Christopher Park and Christina Spevak, Weill Cornell/Rockefeller/Sloan-Kettering Tri-Institutional
BB

**Laura Agosto-Rosa** .......................... 11:45 AM, Aspen II
Presentation Title: Signal-Induced Alternative Splicing in Primary T Cells and Cell Lines
Research Mentor: Kristen Lynch
Research Institution: University of Pennsylvania
Home Institution: UPR-Rio Piedras
Co-Authors: Kristen W. Lynch, Nicole M. Martínez and Michael Mallory, University of Pennsylvania
BB

**Hayford Agyemang** .......................... 11:15 AM, Glen III
Presentation Title: Myelination and Pediatric SIV (Simian Immunodeficiency Virus)
Research Mentor: Mark Burke
Research Institution: Howard University
Home Institution: Gordon State College
Co-Authors: Mark Burke, Howard University
AB

**Aida Alazar** .......................... 3:30 PM, Glen II
Presentation Title: A Small Molecule Screen To Identify Modulators Of C-cell Development In Zebrafish Embryos
Research Mentor: Jacques Villefranc
Research Institution: Cornell University
Home Institution: Brown University
Co-Authors: Jacques Villefranc, Viviana Anelli and Yariv Houvras, Weill Cornell/Rockefeller/Sloan-Kettering Tri-Institutional
AB

**Jasmine Allen** .......................... 5:45 PM, Aspen II
Presentation Title: Investigating the Potential for Myogenin to Promote the Amplification of MyHC Expressing Adenoviral Vectors
Research Mentor: Leslie Leinwand
Research Institution: University of Colorado Boulder
Home Institution: University of South Florida
Co-Authors: Stephen Langer and Leslie Leinwand, University of Colorado at Boulder
BB

**Andrew Anguiano** .......................... 12:30 PM, Springdale II
Presentation Title: The Economy of Online Courtship: Memoirs of Desperation and Fabrication in Internet-Mediated Dating
Research Mentor: Wendy Anderson
Research Institution: Washington University in St. Louis
Home Institution: San Jose State University
HU

**Jaime Aponte** .......................... 3:45 PM, Elm I
Presentation Title: Impact of RAGE Deletion and Mitochondrial Biogenesis
Research Mentor: Ravichandran Ramasamy
Research Institution: New York University Sackler Institute
Home Institution: UPR-Mayaguez
Co-Authors: Ravichandran Ramasamy, Radha Ananthakrishnan and Ann Marie Schmidt, New York University - BioMedical Sciences
BB

**Emily Artalejo** .......................... 4:00 PM, Springdale I
Presentation Title: Female Paramilitary Experience in Northern Ireland
Research Mentor: Brendan O’Leary
Research Institution: University of Pennsylvania
Home Institution: Saint Mary's University
Co-Authors: Brendan O’Leary, University of Pennsylvania
SS

**Raymond Barry** .......................... 3:00 PM, Glen I5
Presentation Title: The Effects of the Microbiome on Health and Disease
Research Mentor: Martin Blaser
Research Institution: New York University Sackler Institute
Home Institution: University of North Carolina Chapel Hill
Co-Authors: Martin Blaser and Guillermo Perez-Perez, New York University - BioMedical Sciences; Tadasu Iizumi, New York University - Arts & Sciences
AB
Rajshekhar Basak ............................... 12:00 PM, Elm II
Presentation Title: The Mechanism of Acrolein-Induced Lung Endothelial Permeability
Research Mentor: Sharon Rounds
Research Institution: Brown University
Home Institution: City College of New York
Co-Authors: Qing Lu, Sharon Rounds and Julie Newton, Brown University

Kristen Bascombe ......................... 5:00 PM, Glen III
Presentation Title: Determining the Source of and Maximizing the Yield from DNA on Touched Objects by Microscopic Visualization and Direct PCR
Research Mentor: Grace Axler-DiPerte
Research Institution: New York University Sackler Institute
Home Institution: University of Georgia
Co-Authors: Georgia Grace Axler-DiPerte, New York City Office of Chief Medical Examiner

William Beischel .............................. 4:00 PM, Cove I
Presentation Title: Executive Functioning in Sexually Compulsive Gay and Bisexual Men
Research Mentor: Jeffrey Parsons
Research Institution: Hunter College
Home Institution: Loyola University of Chicago
Co-Authors: Jeffrey Parsons, Ana Ventuneac and Leona Hess, Hunter College

Rebecca Betances ......................... 3:45 PM, Long Ridge
Presentation Title: Cellular Responses to Nanopatterned Bulk Metallic Glasses
Research Mentor: Jagannath Padmanabhan
Research Institution: Yale University
Home Institution: UPR-Mayaguez
Co-Authors: Themis Kyriakides and Jagannath Padmanabhan, Yale University

Kristian Black ............................. 11:30 AM, Aspen II
Presentation Title: Development of Fluorescent RNA Biosensors for the Quantification of Intracellular Metabolites
Research Mentor: Robert Batey
Research Institution: University of Colorado Boulder
Home Institution: Louisiana State University- Baton Rouge
Co-Authors: Robert Batey and Joan Marcano-Velázquez, University of Colorado at Boulder

Timothy Borjas ......................... 11:30 AM, Alder
Presentation Title: The Effect of Necrostatin-1 on Pancreatic Inflammation and Cancer
Research Mentor: George Miller
Research Institution: New York University Sackler Institute
Home Institution: University of Pennsylvania
Co-Authors: George Miller and Lena Tomkoetter, New York University - BioMedical Sciences

Nicole Bowman ......................... 5:15 PM, Glen III
Presentation Title: High Fat Diet Drives Epigenetic Changes: A Role for DNA Methyltransferase
Research Mentor: Teresa Reyes
Research Institution: University of Pennsylvania
Home Institution: Bryn Mawr College
Co-Authors: Teresa Reyes, Nicola Grissom and Jeese Carlin, University of Pennsylvania

Kaitland Brannon ......................... 5:15 PM, Alder
Presentation Title: Styryl-Based Compounds as Novel Potential Therapeutic Agents for Alzheimer’s Disease
Research Mentor: Thomas Wisniewski
Research Institution: New York University Sackler Institute
Home Institution: Xavier University of Louisiana
Co-Authors: Thomas Wisniewski, Shan Liu and Eileen Do, New York University - BioMedical Sciences

Lindsey Brier ............................ 12:00 PM, Aspen II
Presentation Title: Assessing the Effects of RNase H rRNA Depletion on Technical Variability in RNA Sequencing Experiments
Research Mentor: John Hogenesch
Research Institution: University of Pennsylvania
Home Institution: University of Houston
Co-Authors: John Hogenesch and Nicholas Lahens, University of Pennsylvania

Erran Briggs II ....................... 12:00 PM, Aspen I
Presentation Title: The Study of the HIV-1 5’UTR Monomer-Dimer Equilibrium by Native Size Exclusion Chromatography
Research Mentor: Michael Summers
Research Institution: University of Maryland, Baltimore County
Home Institution: Kalamazoo College
Co-Authors: Erran D. Briggs, Kalamazoo College; Sarah A. Monti and Michael F. Summers, University of Maryland, Baltimore County
Donald Brown.......................... 3:45 PM, Springdale I
Presentation Title: Universalism, Particularism, and the Limits Therein: Post-World War II Politics on Race
Research Mentor: Vaughn Rasberry
Research Institution: Stanford University
Home Institution: Vaughn Rasberry, Stanford University School of Humanities & Sciences
HU

Princess Brown .......................... 5:45 PM, Cove I
Presentation Title: The Effects of Utilizing Rap Music in Underserved Classrooms to Improve Student Academic Performance
Research Mentor: Constance Ellison
Research Institution: Howard University
Home Institution: Claflin University
Co-Authors: Constance Ellison, Howard University
SS

Timothy Brown.............................. 12:00 PM, Alder
Presentation Title: Insect Cell Expression and Purification of PTEN -- A Key Signaling Phosphatase and Tumor Suppressor
Research Mentor: Mario Amzel
Research Institution: Johns Hopkins University
Home Institution: University of Texas at El Paso
Co-Authors: Andres Hernandez, Sandra Gabelli and L. Mario Amzel, Johns Hopkins University
BB

Alexander Bruch......................... 4:00 PM, Long Ridge
Presentation Title: High Finesse Cavity for Characterizing the Optical Loss in Thin Films of Barium Titanate
Research Mentor: Hong Tang
Research Institution: Yale University
Home Institution: Elon University
Co-Authors: Hong Tang, Xiankai Sun and Xu Han, Yale University
EN

Can Buldun ............................... 4:00 PM, Alder
Presentation Title: The Effects of Haloperidol, Clozapine and Risperidone on Glutamatergic Synapses
Research Mentor: Edward Ziff
Research Institution: New York University Sackler Institute
Home Institution: Jacobs University Bremen
Co-Authors: Edward Ziff, New York University - BioMedical Sciences
BB

Cristhian Cadena.......................... 11:45 AM, Aspen I
Presentation Title: Impact of Defective Viral Genomes Sequence Modifications in Their Immunostimulatory Activity
Research Mentor: Carolina Lopez
Research Institution: Pennsylvania University
Home Institution: Sam Houston State University
Co-Authors: Carolina B. López, Xiomara Mercado-López and Yan Sun, University of Pennsylvania
BB

Henry Capps III ......................... 3:00 PM, Springdale I
Presentation Title: The Prison Tragedy: The Failure of Narcotics Criminalization in New York City's War on Drugs
Research Mentor: Samuel Roberts
Research Institution: Columbia University
Home Institution: University of South Carolina
Co-Authors: Samuel K. Roberts, Columbia University
HU

Marco Carpenter.......................... 4:00 PM, Glen II
Presentation Title: Identifying Schizophrenia Associated Gene Targets of the Transcription Factor c-myb
Research Mentor: Jerry Stitzel
Research Institution: University of Colorado Boulder
Home Institution: Clark University
Co-Authors: Jerry Stitzel and Coral Cabrera-Montalvo, University of Colorado at Boulder
BB

Corie Jade Carter......................... 3:00 PM, Glenbrook
Presentation Title: Microbial Ecology of Biological Nitrogen Fixation in MT Soils
Research Mentor: John Peters
Research Institution: Montana State University - Bozeman
Home Institution: University of Great Falls
Co-Authors: John Peters, Ambrien Risingsun and Laura B., Montana State University
PS

Javier Castillo............................ 4:45 PM, Glen II
Presentation Title: The Effect of Innate Immune Modulation via Toll-Like Receptor 9 on the Amelioration of Cerebral Amyloid Angiopathy in Alzheimer's Disease
Research Mentor: Thomas Wisniewski
Research Institution: New York University Sackler Institute
Home Institution: Paris 7 University
Co-Authors: Thomas Wisniewski and Henrieta Scholtzova, New York University - BioMedical Sciences
AB
Mario Castillo .......................... 5:15 PM, Springdale II
Presentation Title: Kill/Capture: The Chichimec War in North Central Mexico, 1550-1600
Research Mentor: Mark Lycett
Research Institution: University of Chicago
Home Institution: CSU Dominguez Hills
Co-Authors: Mark Lycett and Madeline McLeester, University of Chicago

Kervin Charles ............................ 3:15 PM, Aspen II
Presentation Title: A Role for R-Ras in Formation of HFS-LTP and Contextual Discrimination Learning via Activation by RasGRF1
Research Mentor: Michael Darcy
Research Institution: Tufts University BioMedical Sciences
Home Institution: Michael Darcy and Larry Feig, Tufts University School of Graduate Biomedical Sciences

Stephanie Castillo .......................... 12:15 PM, Elm I
Presentation Title: Dissecting Interactions Between BamA and BamD Via Binding and Fluorescence Studies
Research Mentor: Marcelo Sousa
Research Institution: University of Colorado Boulder
Home Institution: University of Central Florida
Co-Authors: Marcelo Sousa, University of Colorado at Boulder

Bao Ying Chen ............................. 5:15 PM, Elm II
Presentation Title: Defining Protein Phosphatase 2A Complexes and Substrates That Regulate Ethylene Biosynthesis in Arabidopsis
Research Mentor: Alison DeLong
Research Institution: Brown University
Home Institution: Grinnell College
Co-Authors: Matthew Booker, Victoria Cabot and Alison DeLong, Brown University

Cristina Castro-Rivera ....................... 5:30 PM, Elm II
Presentation Title: Endosomal Recycling of KATP Channels: The Role of EHD Proteins
Research Mentor: William Coetzee
Research Institution: New York University Sackler Institute
Home Institution: UPR-Mayaguez
Co-Authors: Monique Foster and William Coetzee, New York University - Arts & Sciences

Isatis Cintron .............................. 5:00 PM, Westover
Presentation Title: Real Time in situ Source Characterization for BC in Total Aerosol
Research Mentor: Darin Toohey
Research Institution: University of Colorado Boulder
Home Institution: UPR-Rio Piedras
Co-Authors: Darin Toohey, University of Colorado at Boulder

Paul Cato .................................... 3:45 PM, Cove II
Presentation Title: Polyphony, Responsibility, & Active Love: A Reconsideration of Dostoevsky’s and Lévinas’ Philosophies of Love
Research Mentor: Richard Rosengarten
Research Institution: University of Chicago
Home Institution: Swarthmore College
Co-Authors: Richard Rosengarten, University of Chicago

Annecaroline Clark .......................... 2:45 PM, Cove I
Presentation Title: Harm Reduction in the United States: The Early Development of New York City’s Syringe and Needle Exchange Policy, 1985-1989
Research Mentor: Samuel Roberts
Research Institution: Columbia University
Home Institution: Smith College
Co-Authors: Samuel K. Roberts, Columbia University

Sandy Chan ................................. 12:30 PM, Glen II
Presentation Title: Effect of Aspirin on Microhemorrhage Diameters in Rodent Brains
Research Mentor: Chris Schaffer
Research Institution: Cornell University
Home Institution: Cornell University
Co-Authors: Morgan Brophy, Chris Schaffer and Nozomi Nishimura, Cornell University

Morgan Clark ............................... 3:30 PM, Belltown
Presentation Title: Not Just a Game: Racialization, Othering and Hypersex in Video Games
Research Mentor: Karen Jackson-Weaver
Research Institution: Princeton University
Home Institution: Spelman College
Co-Authors: Karen Jackson-Weaver, Princeton University
**Taelor Clay** ........................................ 5:30 PM, Cove II
Presentation Title: Impact of Stereotype Threat on Women and Minorities
Research Mentor: Greg Walton
Research Institution: Stanford University
Home Institution: Morgan State University
Co-Authors: Gregory Walton and Lauren Aguilar, Stanford University School of Humanities & Sciences
HU

**Princess Cobbs** ......................... 3:00 PM, Springdale II
Presentation Title: Health Care Utilization by Young Adults That Have Been Affected by the Criminal Justice System Compared to Those That Have Not
Research Mentor: Christopher Wildeman
Research Institution: Yale University
Home Institution: Chaminade University of Honolulu
Co-Authors: Christopher Wildeman and Emily Wang, Yale University
SS

**Oluwadara Coker** ....................... 4:00 PM, Aspen I
Presentation Title: Investigating the Role of Non-Coding RNAs in Immunoglobulin Heavy Chain Locus Rearrangements
Research Mentor: Uttiya Basu
Research Institution: Columbia University
Home Institution: Rochester Institute of Technology
Co-Authors: Uttiya Basu, Gerson Rothschild and Junghyun Lim, Columbia University
AB

**Joshua Cole** ............................... 11:30 AM, Aspen I
Presentation Title: Elucidating the Modulatory Effects of Flaxseed-derived Lignans on Protein Expression of Macrophage Co-receptors: Implications for HIV Neuroprotection
Research Mentor: Jennifer King
Research Institution: University of Pennsylvania
Home Institution: Boston University
Co-Authors: Jennifer King, Melpo Christofidou-Solomidou and Kelly L. Jordan-Sciutto, University of Pennsylvania
AB

**Evan Coles** ............................... 3:00 PM, Cove II
Presentation Title: The Literature of Black Marxism: A Critical Look at Religious Domination
Research Mentor: Karen Jackson-Weaver
Research Institution: Princeton University
Home Institution: Princeton University
Co-Authors: Karen Jackson-Weaver, Princeton University
HU

**Stanley Collins** ......................... 4:45 PM, Cove II
Presentation Title: Social Capital Inside the Courtroom: An Analysis of the Networks That Assist Youth In Navigating the Juvenile Justice System
Research Mentor: Carla Shedd
Research Institution: Columbia University
Home Institution: Morehouse College
Co-Authors: Carla Shedd, Columbia University
SS

**Avani Comer** .............................. 3:45 PM, Glen I
Presentation Title: Functional Analysis of Crohn's Disease and Mycobacteria in Ashkenazi Jews
Research Mentor: Monica Bowen
Research Institution: Yale University
Home Institution: Rutgers University
Co-Authors: Monica Bowen, Yale University
BB

**Nykhal Coston** ......................... 5:30 PM, Cove I
Presentation Title: The Public Perception of Interracial Dating varies as a Function of Prejudice, Environmental Diversity, and Racial Identity
Research Mentor: Jasmin Cloutier
Research Institution: University of Chicago
Home Institution: McKendree University
Co-Authors: Jasmin Cloutier and Tianyi Li, University of Chicago
SS

**Aja Crim-Logan** ......................... 11:15 AM, Glen II
Presentation Title: Computer Based Treatment for Cognitive Behavioral Therapy
Research Mentor: Hedy Kober
Research Institution: Yale University
Home Institution: Hunter College
Co-Authors: Ashley Schloss, Yale University
AB

**Dina Dajani** .............................. 5:45 PM, Belltown
Presentation Title: Decreased Cerebro-Cerebellar Functional Connectivity in Autism
Research Mentor: Stewart Mostofsky
Research Institution: Johns Hopkins University
Home Institution: University of Miami
Co-Authors: Mary Beth Nebel, Deana Crocetti and Stewart Mostofsky, Johns Hopkins University
SS
James Damiano .......................... 3:30 PM, Aspen II
Presentation Title: Mechanism of JAK2 Autoinhibition Identified by Molecular Dynamics Simulation
Research Mentor: Stevan Hubbard
Research Institution: New York University Sackler Institute
Home Institution: Harvard University
Co-Authors: Stevan Hubbard and Kavitha Gnanasambandan, New York University - BioMedical Sciences
BB

Rebecca de Frates ....................... 2:45 PM, Alder
Presentation Title: The Role of Cdc42 in Cerebellar Granule Cell Development
Research Mentor: Eve Govek
Research Institution: Weill Cornell Medical College
Home Institution: University of Washington
Co-Authors: Eve Govek and Mary Hatten, Rockefeller University
BB

Kevin De Jesus ......................... 11:15 AM, Aspen II
Presentation Title: Elucidating a Mitochondrial Protective Transcriptional Network
Research Mentor: Cole Haynes
Research Institution: Weill Cornell Medical College
Home Institution: UPR-Humacao
Co-Authors: Cole Haynes, Mark Pellegrino and Amrita Nargund, Sloan-Kettering Institute
BB

Dayana De La Torre ..................... 3:15 PM, Cove I
Presentation Title: Drug Busts in New York City: Law Enforcement and Crime in the 1980s
Research Mentor: Samuel Roberts
Research Institution: Columbia University
Home Institution: Williams College
Co-Authors: Samuel K. Roberts, Columbia University
HU

Fartun Dirie ............................. 4:45 PM, Belltown
Presentation Title: Antenatal Care and Healthcare Access in Mozambique: An Issue of Spatial Inequality?
Research Mentor: Michael White
Research Institution: Brown University
Home Institution: University of St. Thomas
Co-Authors: Michael White, Brown University
SS

Jana Dodson ............................ 3:30 PM, Long Ridge
Presentation Title: SEM and EDS Characterization of Bulk Metallic Glass
Research Mentor: Christine Broadbridge
Research Institution: Yale University
Home Institution: Georgetown University
Co-Authors: Christine Broadbridge, Southern Connecticut State University
EN

Aisha Dorta ............................. 2:45 PM, Glenbrook
Presentation Title: A Quantitative Analysis of the Biological Terraformation of a Planet
Research Mentor: Karen Jackson-Weaver
Research Institution: Princeton University
Home Institution: Brooklyn College CUNY
Co-Authors: Karen Jackson-Weaver, Princeton University
PS

Sean Dougherty ......................... 5:00 PM, Aspen I
Presentation Title: Hyperoxia Protects Against Isoflurane-induced Apoptosis in the Rat Neonatal Brain
Research Mentor: Lourdes Martin Hernandez
Research Institution: New York University Sackler Institute
Home Institution: Virginia Polytechnic Institute and State University
Co-Authors: Lourdes A. Martin Hernandez, Boris Biskoun and Thomas J Blanck, New York University - BioMedical Sciences
BB

Imaani Easthausen ...................... 5:30 PM, Glen I
Presentation Title: Synthesis of a Multimodal Imaging Agent for the Visualization of Pancreatic Beta Cells in vivo
Research Mentor: Thomas Reiner
Research Institution: Weill Cornell Medical College
Home Institution: Bard College
Co-Authors: Jason Lewis, Thomas Reiner and Christian Brand, Memorial Sloan Kettering Cancer Center
BB

Elshaddai Ephrem ........................ 5:30 PM, Elm I
Presentation Title: Role of IRF1 in Lupus: Defining Downstream Targets
Research Mentor: Kathleen Sullivan
Research Institution: University of Pennsylvania
Home Institution: Princeton University
Co-Authors: Kathleen E. Sullivan, Kelly Maurer and Li Hua Shi, University of Pennsylvania
BB
Arianna Espinoza............................. 12:30 PM, Elm I
Presentation Title: Using Fluorescence Anisotropy to Understand How MARCKS-ED Peptide Binds to Microvesicles
Research Mentor: Hang (Hubert) Yin
Research Institution: University of Colorado Boulder
Home Institution: New Mexico Institute of Mining & Technology
Co-Authors: Hang Hubert Yin and Leslie A. Morton, University of Colorado at Boulder

Ugoma Eze ...................................... 5:00 PM, Glen II
Presentation Title: Requirement of FUS in mES-Derived Motor Neuron Survival; Implications for ALS
Research Mentor: Lei Lu
Research Institution: Columbia University
Home Institution: Drew University
Co-Authors: Neil Shneider, Lei Lu and Sarah Ebstein, Columbia University

Bianca Flores ................................. 2:45 PM, Elm I
Presentation Title: The Effects of Mycobacterium vaccae on Serotonergic Systems, Immune Activation, and Behavior in the Forced Swim Test
Research Mentor: Christopher Lowry
Research Institution: University of Colorado Boulder
Home Institution: University of Rochester
Co-Authors: Christopher Lowry and Alfredo Zúñiga, University of Colorado at Boulder

Joshua Frenster .............................. 4:00 PM, Glen III
Presentation Title: Fluorescent Reporter System for Directing Hematopoietic Lineage Specification
Research Mentor: Matthias Stadtfeld
Research Institution: New York University Sackler Institute
Home Institution: Jacobs University Bremen
Co-Authors: Matthias Stadtfeld, New York University - BioMedical Sciences

Miguel Frias ................................. 3:15 PM, Westover
Presentation Title: Seismic Soil Structure Interaction and Lateral Earth Pressures Near Buried Water Reservoir Structures in Southern California
Research Mentor: Shideh Dashti
Research Institution: University of Colorado Boulder
Home Institution: University of Wisconsin Madison
Co-Authors: Shideh Dashti and Min Zhang, University of Colorado at Boulder

Kafi Friday ...................................... 5:30 PM, Alder
Presentation Title: Understanding the Mechanisms of Ceftriaxone-Dependent Regulation of Glutamate Transport in the Brain
Research Mentor: Michael Robinson
Research Institution: University of Pennsylvania
Home Institution: Brooklyn College CUNY
Co-Authors: Micheal Robinson, Mausam Ghosh and Meredith Lane, University of Pennsylvania

Cynthia Garcia .............................. 2:45 PM, Waterside
Presentation Title: Novel Role of the Neuronal Guidance Cue, Netrin-1 in Abdominal Aortic Aneurysm Formation
Research Mentor: Kathryn Moore
Research Institution: New York University - BioMedical Sciences
Home Institution: Paris 7 University
Co-Authors: Kathryn Moore and Bhama Ramkhelawon, New York University - BioMedical Sciences

Cecile Gaston ................................. 11:45 AM, Glen III
Presentation Title: Role of ANO-1 in Endothelial Cell Proliferation and Migration
Research Mentor: Gaurav Choudhary
Research Institution: Brown University
Home Institution: University of Michigan-Ann Arbor
Co-Authors: Gaurav Choudhary, Alexander Vang and Ayed Allawzi, Brown University

Jemima Georges ............................. 2:45 PM, Belltown
Presentation Title: Prehistoric Cahokians Had on Their Natural Environment
Research Mentor: John Kelly
Research Institution: Washington University in St. Louis
Home Institution: Brooklyn College CUNY
Co-Authors: John E. Kelly, Washington University in St. Louis
Joseph Geraghty ......................... 3:45 PM, Glenbrook
Presentation Title: Synthesis of Enantiopure Nantenine Analogs as Serotonin 5-HT2A Receptor Antagonists
Research Mentor: Wayne Harding
Research Institution: Hunter College
Home Institution: SUNY College at Genesee
Co-Authors: Wayne Harding and Nirav Kapadia, Hunter College

Felipe Giuste .............................. 5:45 PM, Elm I
Presentation Title: Elucidating the Role of Neuromedin U Receptor in Erythropoiesis
Research Mentor: Martin Carroll
Research Institution: University of Pennsylvania
Home Institution: Washington University in St. Louis
Co-Authors: Martin Carroll and Susan Shetzline, University of Pennsylvania

Damla Gonullu .............................. 4:45 PM, Elm I
Presentation Title: The Association Between Peripheral Blood Leukocyte Telomere Length and Female Reproductive Aging
Research Mentor: Damla Gonullu
Research Institution: New York University Sackler Institute
Home Institution: New York University
Co-Authors: Keri Kalmbach and David Keefe, New York University - BioMedical Sciences

Guadalupe Gonzalez ..................... 3:45 PM, Belltown
Presentation Title: The Role of Gender and Stage of Acquisition in the Language Processing of L2 Learners
Research Mentor: Cindy Brantmeier
Research Institution: Washington University in St. Louis
Home Institution: Bethel University
Co-Authors: Cindy Brantmeier, Washington University in St. Louis

Matthew Gonzalez ..................... 5:00 PM, Glen I
Presentation Title: The Role of UCP1 and IAPP in the Progression of Diabetes
Research Mentor: Andisheh Abedini
Research Institution: New York University Sackler Institute
Home Institution: Arizona State University
Co-Authors: Ann Marie Schmidt, Andisheh Abedini and Carmen Hurtado del Pozo, New York University - BioMedical Sciences

Jose Grullon ............................... 5:00 PM, Elm II
Presentation Title: Functional Analysis and Localization of NIS, MCT1, and MCT4 Proteins
Research Mentor: Jose Grullon
Research Institution: Yale University
Home Institution: Rutgers University
Co-Authors: Andrea Reyna and Nancy Carrasco, Yale University

Daniel Guzman ............................ 3:30 PM, Glen I
Presentation Title: Analysis of the IgE Response in Nippostrongylus Brasiliensis-Infected Mice
Research Mentor: Juan Lafaille
Research Institution: New York University Sackler Institute
Home Institution: Rutgers University
Co-Authors: Juan Lafaille, New York University - BioMedical Sciences

Elsa Hardy ................................. 5:00 PM, Cove I
Presentation Title: Cultures of Power: Harlem Children’s Zone and Poverty Intervention Efforts
Research Mentor: Kimberly DaCosta
Research Institution: New York University
Home Institution: Wesleyan University
Co-Authors: Kimberly DaCosta, New York University - Arts & Sciences; Sarah Mahurin, and Daniel Long, Wesleyan University

Mark Harris ............................... 5:45 PM, Waterside
Presentation Title: Juvenile Socialization and Courtroom Interactions: A Qualitative Analysis of Client Outcomes
Research Mentor: Carla Shedd
Research Institution: Columbia University
Co-Authors: Home Institution: Grambling State University
Carla Shedd, Columbia University

Jessica Hartling ......................... 5:15 PM, Aspen I
Presentation Title: Iron Responsive Element (IRE)-mRNA Conformation Changes Induced by Manganese Ion (Mn2+)
Research Mentor: Dixie Goss
Research Institution: Hunter College
Home Institution: Viterbo University
Co-Authors: Dixie Goss and Jia Ma, Hunter College
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Michael Hawkins ............................. 4:00 PM, Glenbrook
Presentation Title: Using Ultraviolet Light to Inactivate the Bacteriophage MS2
Research Mentor: Karl Linden
Research Institution: University of Colorado Boulder
Home Institution: Georgia State University
Co-Authors: Karl Linden and Sara Beck, University of Colorado at Boulder

Lauren Highsmith......................... 3:00 PM, Waterside
Presentation Title: The Divide: Modernism and Afro-Modernism
Research Mentor: Charles Kronengold
Research Institution: Stanford University
Home Institution: Hampton University
Co-Authors: Charles Kronengold, Stanford University School of Humanities & Sciences

Jillian Haynes ............................ 3:15 PM, Springdale II
Presentation Title: Candidate Physiological Markers of Perceived Stress
Research Mentor: Mariann Weierich
Research Institution: Hunter College
Home Institution: SUNY at Albany
Co-Authors: Mariann Weierich, Hunter College

Nikeeyia Howell.......................... 3:30 PM, Cove II
Presentation Title: Demystifying the Strangeness: An Intertextual Analysis of Mark Twain's No.44, 'The Mysterious Stranger
Research Mentor: Kenneth Warren
Research Institution: University of Chicago
Home Institution: City College of New York
Co-Authors: Kenneth Warren, University of Chicago

Justin Henderson .......................... 5:00 PM, Belltown
Presentation Title: Could Your DNA Soon Be in a Federal or State Database?
Research Mentor: Jennifer Hochschild
Research Institution: Harvard University
Home Institution: Eastern Kentucky University
Co-Authors: Jennifer Hochschild and Maya Sen, Harvard University, Dept. of Government

Dorcas Huang .............................. 3:00 PM, Long Ridge
Presentation Title: Modeling Cellular Response to Nanopatterned Bulk Metallic Glasses
Research Mentor: Jenna Balestrini
Research Institution: Yale University
Home Institution: Columbia University
Co-Authors: Jenna Balestrini, Jagannath Padmanabhan and Themis Kyriakides, Yale University

Nicholas Hernandez ...................... 5:45 PM, Glen I
Presentation Title: Effects of Post-Translation Modifications on Rate of BACE1 Internalization
Research Mentor: Gopal Thinakaran
Research Institution: University of Chicago
Home Institution: University of South Florida
Co-Authors: Celia Fernandez and Gopal Thinakaran, University of Chicago

David Hutchinson.......................... 3:00 PM, Cove I
Presentation Title: All I Do Know Is That I Like Being Liked: Conceptualizing Same-Sex Desire in Richard Bruce Nugent’s “Gentleman Jigger”
Research Mentor: William Maxwell
Research Institution: Washington University in St. Louis
Home Institution: Truman State University
Co-Authors: William Maxwell, Washington University in St. Louis

Natalia Herrera ............................ 3:45 PM, Aspen I
Presentation Title: Generating an Antibody Against Retinoic Acid Receptor-Related Orphan Receptor Alpha (Rora) to Define its Transcriptional Targets
Research Mentor: Jason Hall
Research Institution: New York University Sackler Institute
Home Institution: UC Santa Cruz
Co-Authors: Jason Hall and Dan R. Littman, New York University - BioMedical Sciences

Jere’ Hutson ............................... 4:45 PM, Elm II
Presentation Title: Purification and Characterization of TAT-Cre for Ex Vivo Gene Deletion
Research Mentor: Michael Atchison
Research Institution: University of Pennsylvania
Home Institution: Delaware State University
Co-Authors: Michael Atchison, Parul Mehra and Vibha Jha, University of Pennsylvania
Lena Ibrahim......................... 4:00 PM, High Ridge
Presentation Title: Effects of Rigidity of Bent-Core Liquid Crystal Spacer Groups
Research Mentor: David Walba
Research Institution: University of Colorado Boulder
Home Institution: University of West Florida
Co-Authors: David Walba and Mark Moran, University of Colorado at Boulder
PS

Maxwell Kesselly.................. 3:30 PM, Westover
Presentation Title: Utilization of Solar Energy in Residential Homes to Achieve Complete Net-Zero Energy Solar Homes
Research Mentor: Sonya Smith
Research Institution: Howard University
Home Institution: Alabama A&M University
Co-Authors: Sonya Smith, Howard University
EN

Steven Jefferson................... 5:00 PM, Cove II
Presentation Title: China in the World: The Representation of Ethnic Minorities in the Media
Research Mentor: Emily Hannum
Research Institution: University of Pennsylvania
Home Institution: Boston College
Co-Authors: Emily Hannum and Hua-Yu Sebastian Cherng, University of Pennsylvania
SS

Melissa Kreider.................... 3:30 PM, High Ridge
Presentation Title: Synthesis of a Dense, High Aspect Ratio Zinc Oxide Nanowire Forest Using the PS-PMMA Block Copolymer
Research Mentor: Chinedum Osuji
Research Institution: Yale University
Home Institution: Massachusetts Institute of Technology
Co-Authors: Chinedum Osuji, Candice Pelligra and Diana Hu, Yale University
PS

Debria Joe.......................... 5:45 PM, Glen II
Presentation Title: BACE1 Localization and Trafficking in Neurons
Research Mentor: Gopal Thinakaran
Research Institution: University of Chicago
Home Institution: Xavier University of Louisiana
Co-Authors: Gopal Thinakaran, Margaret Lefkow and Celia Fernandez, University of Chicago
BB

Carolina Larrain................... 3:15 PM, Glen III
Presentation Title: Characterization of Ontogenetic Columns in Reeler Mice
Research Mentor: Shuijin He
Research Institution: Weill Cornell Medical College
Home Institution: University of Wisconsin Madison
Co-Authors: Shuijin He, Weill Cornell/Rockefeller/Sloan-Kettering Tri-Institutional
AB

Catrina Johnson.................... 4:45 PM, Aspen II
Presentation Title: Contribution of the E74-Like Factor 3 to the Toll-Like Receptor-Driven Catabolic Responses in Articular Chondrocytes: Potential Role in Cartilage Destruction in Osteoarthritis
Research Mentor: Mary Goldring
Research Institution: Weill Cornell Medical College
Home Institution: University of Maryland, Baltimore County
Co-Authors: Mary Goldring and Miguel Otero, The Hospital for Special Surgery
AB

Marilyn Le.......................... 12:30 PM, Aspen I
Presentation Title: The Effects of Reverse Transcriptase Inhibitors on LINE-1 Retrotransposon Expression in Human Fibroblasts
Research Mentor: John Sedivy
Research Institution: Brown University
Home Institution: University of Rhode Island
Co-Authors: John Sedivy and Marco De Cecco, Brown University
AB

Irene Lee......................... 12:15 PM, Aspen I
Presentation Title: Use of Immune Complex Vaccine as a Novel Immunogen to Generate Broad HIV-1 Neutralizing Antibodies
Research Mentor: Catarina Hioe
Research Institution: New York University Sackler Institute
Home Institution: Rice University
Co-Authors: Catarina Hioe and Michael Tuen, New York University - BioMedical Sciences
BB
Rachel Lee ........................................ 12:00 PM, Glen III
Presentation Title: Ultrasonic Actuation Reduces Brain Inflammatory Response to Neural Microelectrode Insertion
Research Mentor: Catharine Clark
Research Institution: Cornell University
Home Institution: Cornell University
Co-Authors: Catharine Clark, Chris Schaffer and Nozomi Nishimura, Cornell University
AB

Rosa Leon ........................................ 5:30 PM, Aspen I
Presentation Title: Buprenorphine's Potential Antidepressant-like Effects on a Chronic Mild Stress Model
Research Mentor: Irwin Lucki
Research Institution: University of Pennsylvania
Home Institution: Syracuse University
Co-Authors: Irwin Lucki and Edgardo Falcon-Morales, University of Pennsylvania
BB

Melissa Leung ..................................... 3:00 PM, Alder
Presentation Title: Efficacy of the novel JAK2 inhibitor G6, in Myeloproliferative Neoplasms
Research Mentor: Priya Koppikar
Research Institution: Weill Cornell Medical College
Home Institution: Wesleyan University
Co-Authors: Priya Koppikar, Neha Bhagwat and Ross L. Levine, Weill Cornell/Rockefeller/Sloan-Kettering Tri-Institutional
BB

Shannon Litke .................................... 3:30 PM, Alder
Presentation Title: Neurotensin Attenuates the Methamphetamine-Induced Increase in Phosphorylation of DARPP-32, Dopamine and cyclic AMP-Regulated Phosphoprotein, Via the Nitric Oxide/cyclic GMP Signaling Pathway in Striatal Neurons of Mice
Research Mentor: Jesus Angulo
Research Institution: Hunter College
Home Institution: New York University
Co-Authors: Jesus Angulo and Qingkun Liu, Hunter College
BB

Aurora Llamas ................................. 5:45 PM, Springdale II
Presentation Title: Re-thinking Cultural Values: A Philosophical Approach To Socialized Inequality
Research Mentor: Rene Arcilla
Research Institution: New York University
Home Institution: Cornell University
Co-Authors: Rene Arcilla, New York University - Arts & Sciences
PE

Sydney Lomnes .................................. 3:15 PM, Glen I
Presentation Title: Host and Parasite Communities: How Interactions Between Chaetogaster limnaei and Echinostoma sp. Affect Snail Hosts
Research Mentor: Pieter Johnson
Research Institution: University of Colorado Boulder
Home Institution: University of Wisconsin La Crosse
Co-Authors: Pieter Johnson, University of Colorado at Boulder
AB

Carolina Lopez ................................. 5:30 PM, Aspen II
Presentation Title: Regulation of the SYT-SSX2 Fusion Protein by t(X;18) in Synovial Sarcoma
Research Mentor: Yuanyuan Xie
Research Institution: Weill Cornell Medical College
Home Institution: Florida International University
Co-Authors: Ping Chi, Yuanyuan Xie and Dong Gao, Weill Cornell/Rockefeller/Sloan-Kettering Tri-Institutional
AB

Davys Lopez ..................................... 3:00 PM, Aspen II
Presentation Title: Localization of the Polarity Regulator PAC-1 by Components of the Cadherin-Catenin Complex
Research Mentor: Jeremy Nance
Research Institution: New York University Sackler Institute
Home Institution: University of Florida
Co-Authors: Jeremy Nance and Diana Klompstra, New York University - BioMedical Sciences
BB

Noe Lopez ........................................ 5:15 PM, Cove I
Presentation Title: Living In Between Nations: Discussing Mixtec Transnationalism in the United States and Mexico
Research Mentor: Evelyn Hu-Dehart
Research Institution: Brown University
Home Institution: UC Santa Barbara
Co-Authors: Evelyn Hu-Dehart, Brown University
SS

LeaAnn Love ..................................... 12:30 PM, Alder
Presentation Title: African American Women and Triple Negative Breast Cancer: Examining the Stigmas of Self Touching that Prevent Its Early Detection
Research Mentor: Karen Jackson-Weaver
Research Institution: Princeton University
Home Institution: Xavier University of Louisiana
Co-Authors: Robert Knowles and Lydia Rono, Princeton University
AB
Claudia Lovell ..............................3:45 PM, Elm II
Presentation Title: The Role of BET Proteins in Embryonic Stem Cell Fate Decisions
Research Mentor: Eva Hernandez
Research Institution: New York University Sackler Institute
Home Institution: UC Berkeley
Co-Authors: Eva Hernando and Raffaella Di Micco, New York University - BioMedical Sciences

Ashley Lowery .............................. 5:15 PM, Belltown
Presentation Title: Surveillance of Youth Tobacco Involvement Using Google Trends
Research Mentor: Patricia Cavazos
Research Institution: Washington University in St. Louis
Home Institution: Jackson State University
Co-Authors: Patricia Cavazos-Rehg, Melissa Krauss and Laura Bierut, Washington University in St. Louis

Peter Lowrie .............................. 3:15 PM, High Ridge
Presentation Title: X-Ray Vision: Using X-Ray Interference Patterns to Track the Growth of Silicon Oxide Layers
Research Mentor: Fred Walker
Research Institution: Yale University
Home Institution: Furman University
Co-Authors: Fred Walker, Yale University

Jeffrey Luery .............................. 11:30 AM, Glen III
Presentation Title: Diurnal Changes of Neuron Excitability Within the Suprachiasmatic Nucleus Using Voltage-Sensitive Dye Imaging
Research Mentor: Greg Carlson
Research Institution: University of Pennsylvania
Home Institution: University of Pennsylvania
Co-Authors: Jason Gerstner, Rachel White and Greg Carlson, University of Pennsylvania

Claudio Macias ..............................2:45 PM, Glen I
Presentation Title: Self-assembled Supramolecular Nanobelts for Antibiotic Delivery
Research Mentor: Honggang Cui
Research Institution: Johns Hopkins University
Home Institution: University of Texas at San Antonio
Co-Authors: Honggang Cui and Yi-an Lin, Johns Hopkins University

Katryna Mahoney ..............................5:00 PM, Springdale II
Presentation Title: Black Activists in 'White Africa': Exploring sub-Saharan Migrant-Activism in Morocco
Research Mentor: Keisha-Khan Perry
Research Institution: Brown University
Home Institution: Spelman College
Co-Authors: Keisha-Khan Perry, Brown University

Ahmed Malik .............................. 4:45 PM, Alder
Presentation Title: Role of Huntington's Disease Protein in Translation
Research Mentor: Naoko Tanese
Research Institution: New York University Sackler Institute
Home Institution: Indiana University Purdue University
Co-Authors: Naoko Tanese, New York University - BioMedical Sciences

Shenee' Martin .............................. 4:45 PM, Aspen I
Presentation Title: The Study of TDP-1 and FUST-1 in C. elegans to Understand Their Role in Amyotrophic Lateral Sclerosis
Research Mentor: Christopher Link
Research Institution: University of Colorado Boulder
Home Institution: University of the Virgin Islands
Co-Authors: Christopher Link and Ilana Pena-Gonzalez, University of Colorado at Boulder

Brian Matilla .............................. 3:00 PM, Westover
Presentation Title: Convection Initiation along the Rocky Mountain Front Range
Research Mentor: Katja Friedrich
Research Institution: University of Colorado Boulder
Home Institution: Florida International University
Co-Authors: Katja Friedrich, University of Colorado at Boulder

Matthew McCauley .......................... 4:00 PM, Waterside
Presentation Title: Talking About God: A Univocal Approach
Research Mentor: Delia Fara
Research Institution: Princeton University
Home Institution: Johns Hopkins University
Co-Authors: Delia G. Fara, Princeton University
Danielle McColgan .......................... 3:45 PM, Cove I
Presentation Title: Historicizing Health Promotion: Anti-Drug Prevention in New York City From 1978-1989
Research Mentor: Samuel Roberts
Research Institution: Columbia University
Home Institution: Smith College
Co-Authors: Samuel K. Roberts, Columbia University
HU

Shayna McCormack...............3:45 PM, Springdale II
Presentation Title: Bipolar Disorder and Medicinal Nonadherence
Research Mentor: Karen Weaver
Research Institution: Princeton University
Home Institution: Howard University
Co-Authors: Kenneth Norman, Princeton University
SS

Luis Millán-Barea...............11:30 AM, Elm I
Presentation Title: Francisella Infectivity Potentiator Protein B FipB, and FipA are Important Protectors Against Incorrect Disulfide Bond Formation Caused by Copper Stress in Francisella novicida
Research Mentor: Barbara Mann
Research Institution: University of Virginia School of Medicine
Home Institution: UPR-Mayaguez
Co-Authors: Barbara Mann, University of Virginia - BioMedical Sciences
AB

Carrie Moore.......................... 2:45 PM, Cove II
Presentation Title: Fitting into the Story: Western Romance and Blackness in Toni Morrison’s “Tar Baby”
Research Mentor: Rebecca Wanzo
Research Institution: Washington University in St. Louis
Home Institution: University of Southern California
Co-Authors: Rebecca Wanzo, Washington University in St. Louis
HU

Bryan Morales .......................... 12:00 PM, Glen II
Presentation Title: Assessing the Effects of Sleep Homeostasis in Activity-Dependent Plasticity: The Spatiotemporal Expression of Plasticity-Related Proteins Within a Sleep Deprivation Study Using the Model Organism Mus musculus
Research Mentor: Marcos Frank
Research Institution: University of Pennsylvania
Home Institution: UPR-Rio Piedras
Co-Authors: Marcos Frank, University of Chicago; Adam Watson and Nikolai Zapertov, University of Pennsylvania
BB

Isabel Morgan .......................... 11:30 AM, Glen II
Presentation Title: Socioeconomic Status and Child Cognitive Outcomes at Age 7; Maternal Cortisol as a Possible Mediator
Research Mentor: Stephen Buka
Research Institution: Brown University
Home Institution: Mount Holyoke College
Co-Authors: Stephen Buka, Rachel Scagos and Samantha Rosenthal, Brown University
AB

Andrew Morton ......................... 5:30 PM, Glen II
Presentation Title: Description of the Behaviors and Electron Correlation in LaNiO3 and NdNiO3 Through First Principles Theory
Research Mentor: Sohrab Ismail-Beigi
Research Institution: Yale University
Home Institution: Truman State University
Co-Authors: Sohrab Ismail-Beigi and Andrei Malashevich, Yale University
PS

Ariel Mosley .........................5:45 PM, Cove II
Presentation Title: Why Can’t I be Sexy, Smart, and Beautiful Enough?: Examining Women’s Internalization of Stigma
Research Mentor: John Dovidio
Research Institution: Yale University
Home Institution: CSU Sacramento
Co-Authors: Jack Dovidio, Yale University
SS

Dana Muñiz .......................... 4:45 PM, Cove I
Presentation Title: The Culture of Work: The Economy of the Sugar Mills and Company Towns at the Caribbean Basin in the 20th Century
Research Mentor: Jeremy Adelman
Research Institution: Princeton University
Home Institution: UPR-Rio Piedras
Co-Authors: Jeremy Adelman, Princeton University
SS
Robert Myers ........................................... 12:15 PM, Glen I
Presentation Title: Neoplastic Transformation of Neural Precursor Cells to Model Glioblastoma Multiforme (GBM)
Research Mentor: Viviane Tabar
Research Institution: Weill Cornell Medical College
Home Institution: College of New Jersey
Co-Authors: Viviane Tabar and Kosuke Funato, Memorial Sloan-Kettering Cancer Center

Kasiemobi Nwaedozie ......................... 5:45 PM, Alder
Presentation Title: Methamphetamine, Inflammation and the Ubiquitin/Proteasome Pathway: Impact on Neurodegeneration
Research Mentor: Maria Pereira
Research Institution: Hunter College
Home Institution: Clark University
Co-Authors: Teneka Louis and Maria Figueiredo-Pereira, Hunter College

Aaron Neal ......................................... 5:15 PM, Glen II
Presentation Title: mRNA Expression of Clock Genes Per1 and Bmal in the Hippocampus and the Amygdala
Research Mentor: Robert Spencer
Research Institution: University of Colorado Boulder
Home Institution: North Carolina A&T State University
Co-Authors: Robert Spencer and Lauren Chun, University of Colorado at Boulder

Onyemaechi Nwanaji-Enwerem ...... 3:30 PM, Elm I
Presentation Title: The Biological Significance of Soluble Co-Inhibitory Receptors, B-/T-Lymphocyte Attenuator (BTLA), and its Ligand, Hepatitis Virus Entry Protein (HVEM), in the Development of Sepsis in Mice
Research Mentor: Alfred Ayala
Research Institution: Brown University
Home Institution: University of North Carolina Chapel Hill
Co-Authors: Alfred Ayala and Yaping Chen, Brown University

Hailey Neubauer ......................... 5:15 PM, Waterside
Presentation Title: The Influence of the War on Drugs on Felons’ Voting Rights Legislation and Voter Turnout in the South
Research Mentor: Claudine Gay
Research Institution: Harvard University
Home Institution: University of Oklahoma
Co-Authors: Claudine Gay, Harvard University, Dept. of Government

Diana Nwokoye .......................... 12:15 PM, Glen II
Presentation Title: The Biological Significance of Soluble Co-Inhibitory Receptors, B-/T-Lymphocyte Attenuator (BTLA), and its Ligand, Hepatitis Virus Entry Protein (HVEM), in the Development of Sepsis in Mice
Research Mentor: Zhaolan Zhou
Research Institution: University of Pennsylvania
Home Institution: University of Florida
Co-Authors: Zhaolan Zhou and Kathleen Wood, University of Pennsylvania

Mary Ng ........................................ 2:45 PM, Westover
Presentation Title: Characterizing Precipitation in East Africa
Research Mentor: Katja Friedrich
Research Institution: University of Colorado Boulder
Home Institution: Barnard College
Co-Authors: Katja Friedrich, University of Colorado at Boulder

Michael Okoreeh ......................... 4:00 PM, Elm I
Presentation Title: Novel Regulators of Early B Cell Survival and Proliferation
Research Mentor: Keith Hamel
Research Institution: University of Chicago
Home Institution: UC Riverside
Co-Authors: Keith Hamel and Marcus Clark, University of Chicago

Diana Nwokoye .......................... 12:15 PM, Glen II
Presentation Title: Spatial and Temporal Expression Patterns of MBD2: Protein Implicated in Autistic-like Phenotypes
Research Mentor: Zhaolan Zhou
Research Institution: University of Pennsylvania
Home Institution: University of Florida
Co-Authors: Zhaolan Zhou and Kathleen Wood, University of Pennsylvania

N’Kosi Oates ......................... 5:00 PM, Springdale I
Presentation Title: Geographic Neighborhood Poverty and Political Participation
Research Mentor: Dorian Warren
Research Institution: Columbia University
Home Institution: University of Delaware
Co-Authors: Dorian T. Warren, Robert Y. Shapiro and Narayani LaSala Blanco, Columbia University

Daniel Nissani .............................. 3:00 PM, Belltown
Presentation Title: Characterizing Forms of Mathematical Discourse
Research Mentor: Richard Lehrer
Research Institution: Vanderbilt University
Home Institution: Northwestern University
Co-Authors: Richard Lehrer and Amy Holmes, Vanderbilt University

N’Kosi Oates ......................... 5:00 PM, Springdale I
Presentation Title: Geographic Neighborhood Poverty and Political Participation
Research Mentor: Dorian Warren
Research Institution: Columbia University
Home Institution: University of Delaware
Co-Authors: Dorian T. Warren, Robert Y. Shapiro and Narayani LaSala Blanco, Columbia University

Michael Okoreeh ......................... 4:00 PM, Elm I
Presentation Title: Novel Regulators of Early B Cell Survival and Proliferation
Research Mentor: Keith Hamel
Research Institution: University of Chicago
Home Institution: UC Riverside
Co-Authors: Keith Hamel and Marcus Clark, University of Chicago

SS
Michelle Okoreeh......................... 11:15 AM, Alder
Presentation Title: MTAP Inactivation in Cancer
Research Mentor: Olufunmilayo Olopade
Research Institution: University of Chicago
Home Institution: UC Riverside
Co-Authors: Olufunmilayo Olopade and Jim Fackenthal, University of Chicago; Robert Chilcote, University of California, Irvine
BB

Laura Ortiz................................. 3:15 PM, Cove II
Presentation Title: Witchcraft and Gender in Shakespeare's Tragedies and Histories
Research Mentor: Rebecca Bushnell
Research Institution: University of Pennsylvania Arts & Sciences
Home Institution: UPR-Rio Piedras
Co-Authors: Rebecca Bushnell, University of Pennsylvania
HU

Uchenna Okoro..............................11:15 AM, Elm I
Presentation Title: Characterization and Screening of Monoclonal Antibodies Targeting Abnormal Protein Conformations
Research Mentor: Thomas Wisniewski
Research Institution: New York University Sackler Institute
Home Institution: University of Maryland, Baltimore County
Co-Authors: Thomas Wisniewski, New York University - BioMedical Sciences
AB

Angel Ortiz Rodriguez ................. 11:15 AM, Aspen I
Presentation Title: Interferon-gamma Mediated Degradation of HemeOxygenase-1 (HO-1) Via Induction of the Immunoproteasome in Human Primary Macrophages: Implications for HIV Associated Neurocognitive Disorder
Research Mentor: Dennis Kolson
Research Institution: University of Pennsylvania
Home Institution: UPR-Rio Piedras
Co-Authors: Suren Ambegaokar, Alexander Gill and Dennis Kolson, University of Pennsylvania
AB

Bosoye Olateru-Olagbegi.............3:15 PM, Glen II
Presentation Title: The Use of Sodium Nitrite in the Reversal of Vascular Dysfunction
Research Mentor: Douglas Seals
Research Institution: University of Colorado Boulder
Home Institution: Michigan State University
Co-Authors: Douglas Seals, Allison DeVan and Jessica Santos, University of Colorado at Boulder
AB

Babajide Oluwadare......................... 11:30 AM, Elm II
Presentation Title: Determining the Contribution of Fibroblast Connexin Expression to the Conduction Properties of Injured Cardiac Tissue
Research Mentor: Gregory Morley
Research Institution: New York University Sackler Institute
Home Institution: University of Georgia
Co-Authors: Gregory Morley and Vanessa Mahoney, New York University - BioMedical Sciences
BB

Adewola Osunsade........................... 2:45 PM, Aspen II
Presentation Title: Assessing the Functionality of Protein Kinase C Isozymes Using Wildtype and Constitutively Active Forms of PKC-alpha and PKC-epsilon
Research Mentor: Shuibing Chen
Research Institution: Weill Cornell Medical College
Home Institution: University of the District of Columbia
Co-Authors: Sadaf Amin, Weill Cornell Graduate School of Medical Sciences; Shuibing Chen, Weill Cornell/Rockefeller/Sloan-Kettering Tri-Institutional
BB

Alfonso Pacheco......................... 5:45 PM, Springdale I
Presentation Title: Political Opinion and Congress: A Study on the Failure of Comprehensive Immigration Reform
Research Mentor: Robert Shapiro
Research Institution: Columbia University
Home Institution: Saint Mary's University
Co-Authors: Robert Shapiro and Narayani Lasala Blanco, Columbia University
PE

Hassan Omar............................... 3:15 PM, Long Ridge
Presentation Title: Development of Bulk Metallic Glasses and Experimental Calibration of Blow Molding Procedures
Research Mentor: Jan Schroers
Research Institution: Yale University
Home Institution: University of Maryland, Baltimore County
Co-Authors: Jan Schroers, Yanhui Liu and Sung Woo Sohn, Yale University
EN
Coralie Pardo ......................... 4:00 PM, Springdale II
Presentation Title: Sex Differences in CREB Expression After Administration of Cocaine, Methamphetamine, and Cannabinoids
Research Mentor: Vanya Quinones-Jenab
Research Institution: Hunter College
Home Institution: Amherst College
Co-Authors: Vanya Quinones-Jenab and Courtney Daly, Hunter College

Yaritza Perez ......................... 3:30 PM, Waterside
Presentation Title: Learned Helplessness or Tradition: An Examination of the Transgenerational Use and Perspective of Corporal Punishment and Authoritarianism in African American and Hispanic Families
Research Mentor: Karen Jackson-Weaver
Research Institution: Princeton University
Home Institution: University of Rochester
Co-Authors: Joel Cooper, Princeton University

StellJo Passes ......................... 4:45 PM, Westover
Presentation Title: Radon Project
Research Mentor: Neva TallBear
Research Institution: Montana State University - Bozeman
Home Institution: Little Big Horn College
Co-Authors: Neva Tall Bear, Little Big Horn College

Gordon Pherribo ..................... 3:00 PM, Aspen I
Presentation Title: Optimizing shRNA to Target Specific RNA-Binding Protein Transcripts
Research Mentor: Stephen Liebhaber
Research Institution: University of Pennsylvania
Home Institution: Carnegie Mellon University
Co-Authors: Xinjun Ji and Stephen Liebhaber, University of Pennsylvania

Madeline Pelz ......................... 12:30 PM, Glen I
Presentation Title: Imaging and Characterization of Hippocampal Circuits Implicated in Temporal Lobe Epilepsy
Research Mentor: Douglas Coulter
Research Institution: University of Pennsylvania
Home Institution: Skidmore College
Co-Authors: Douglas Coulter, Shanti Frausto and Mary Ellen Kelly, University of Pennsylvania

Nicholas Pizzi ......................... 4:00 PM, Aspen II
Presentation Title: Analysis of Hey1 Expression in Lamprey Pharyngeal Arches
Research Mentor: Daniel Medeiros
Research Institution: University of Colorado Boulder
Home Institution: University of New Hampshire (Durham)
Co-Authors: Daniel Medeiros and Maria Cattell, University of Colorado at Boulder

Fei Peng .............................. 5:00 PM, Elm I
Presentation Title: The Role of Aldosterone in Endothelial Cell Migration
Research Mentor: Iris Jaffe
Research Institution: Tufts University BioMedical Sciences
Home Institution: Smith College
Co-Authors: Iris Jaffe and Kathleen Barrett, Tufts University School of Graduate Biomedical Sciences

Darien Pollock ......................... 2:45 PM, Springdale I
Presentation Title: 21st Century American Street Philosophy and the Philosophy of Mass Incarceration
Research Mentor: Michael Weisberg
Research Institution: University of Pennsylvania
Home Institution: Morehouse College
Co-Authors: Michael Weisberg and Alexander Guerrero, University of Pennsylvania

Rafael Perez ......................... 3:30 PM, Springdale II
Presentation Title: The Effects of Social Stress on HDAC6-Related Proteins
Research Mentor: Olivier Berton
Research Institution: University of Pennsylvania
Home Institution: York College of Pennsylvania
Co-Authors: Rafael Perez, York College of Pennsylvania; Jeanine Jochems and Olivier Berton, University of Pennsylvania

Daniel Powell ......................... 2:45 PM, Glen III
Presentation Title: Elucidating Cellular and Molecular Mechanisms of Estrogen Dependent TAF4B Upregulation
Research Mentor: Richard Frieman
Research Institution: Brown University
Home Institution: University of Utah
Co-Authors: Jennifer Wardell and Richard Freiman, Brown University
Carlos Puentes ....................... 5:30 PM, Belltown
Presentation Title: Does Cognitive Vulnerability to Sleep Loss Relate to Mood Response?
Research Mentor: David Dinges
Research Institution: University of Pennsylvania
Home Institution: University of Central Florida
Co-Authors: David Dinges, University of Pennsylvania

Natalia Quijano-Cardé ................. 12:15 PM, Alder
Presentation Title: MR-Visible Lipids as a Biomarker of Cell Stress in Prostate Cancer Cells Treated With Anticancer Drugs
Research Mentor: Edward J. Delikatny
Research Institution: University of Pennsylvania
Home Institution: UPR-Mayaguez
Co-Authors: Michael Chiorazzo, Anatoliy Popov and Edward Delikatny, University of Pennsylvania

Michael Rabadi ......................... 3:15 PM, Belltown
Presentation Title: Exploring the Temporal Limits of Visual Processing of Familiar and Unfamiliar Objects at the Subordinate-Category Level
Research Mentor: David Sheinberg
Research Institution: Brown University
Home Institution: New York University
Co-Authors: David L. Sheinberg and Samuel L. Johnson, Brown University

Liorimar Ramos Medina ............... 3:15 PM, Alder
Presentation Title: Role of Hyperacetylation of Histone H4K12 in Modulating Executive Cognitive Functioning in Mice Exposed to Early Life Stress
Research Mentor: Claudia Schmauss
Research Institution: Columbia University
Home Institution: UPR-Rio Piedras
Co-Authors: Claudia Schmauss, Columbia University

Stephon Richardson ............... 5:00 PM, Waterside
Presentation Title: The Black New Left: African-American Radical Groups of the Late 1950s to the Early ’60s
Research Mentor: Keisha-Kahn Perry
Research Institution: Brown University
Home Institution: Clark University
Co-Authors: Keisha-Khan Y. Perry, Brown University

Karen Rico ......................... 3:45 PM, Aspen II
Presentation Title: Relationship Between Acyl-CoA Thioesterase 7 and Saturated Fatty Acid-Induced JNK Activation
Research Mentor: Michael Wolfgang
Research Institution: Johns Hopkins University
Home Institution: University of Arizona
Co-Authors: Karen Rico, Caitlyn Bowman and Michael Wolfgang, Johns Hopkins University

Mayra Rios ......................... 3:00 PM, Elm II
Presentation Title: Expression Level of Transient Receptor Potential Vanilloid-4 (TRPV4) in Mice During Lung Development
Research Mentor: Juan Esteban Sanchez
Research Institution: Brown University
Home Institution: Canada College
Co-Authors: Juan Esteban Sanchez and Yulian Wang, Brown University

Adrian Rivera ......................... 3:30 PM, Aspen I
Presentation Title: siRNA Library Screen of ZMYND11 Interacting Partners
Research Mentor: Roger Greenberg
Research Institution: University of Pennsylvania
Home Institution: UPR-Rio Piedras
Co-Authors: Laura Butler, University of Pennsylvania; Katri Pylkas, University of Oulu, Finland; Roger Greenberg, University of Pennsylvania

Stephanie Rivera Morales ........... 3:00 PM, Elm I
Presentation Title: Plasmodium falciparum Strain Specific Malaria Infection Symptoms and Immunity
Research Mentor: Oralee Branch
Research Institution: New York University - Sackler Institute
Home Institution: UPR-Rio Piedras
Co-Authors: Oralee Branch, New York University - BioMedical Sciences

Viviana Rivera-Burgos .......... 4:45 PM, Springdale I
Presentation Title: Did Hurricane Sandy Dent the Vote? Evidence From a Large-Scale Study in New York City
Research Mentor: Robert Shapiro
Research Institution: Columbia University
Home Institution: UPR-Mayaguez
Co-Authors: Robert Shapiro and Narayani LaSala Blanco, Columbia University
Veronica Rivera-Negron......4:45 PM, Springdale II
Presentation Title: (De)Composing the Self: Embodied Imagery, Theatrical Space and Gender in the Performance of Teresa Hernández
Research Mentor: Marcial Godoy-Anativia
Research Institution: New York University
Home Institution: UPR-Rio Piedras
Co-Authors: Marcial Godoy-Anativia, Hemispheric Institute of Performance and Politics
HU

Julian Roby .........................5:00 PM, Alder
Presentation Title: Immature Neuron Proliferation in Correlation to Cognition in Aging Vervet Monkeys
Research Mentor: Mark Burke
Research Institution: Howard University
Home Institution: Wiley College
Co-Authors: Mark Burke, Howard University

Emily Rogers ..........................3:30 PM, Springdale I
Presentation Title: “Invisible Wounds” or Invisible Politics? Neoliberalism, Post-Traumatic Stress Disorder, and Imagined US Vulnerability in the “War on Terror”
Research Mentor: Sharon Marcus
Research Institution: Columbia University
Home Institution: Sarah Lawrence College
Co-Authors: Sharon Marcus, Columbia University
HU

Miata Rogers ...........................4:45 PM, Waterside
Presentation Title: The Effect of Academic Resources on College Retention Rates
Research Mentor: Karen Jackson-Weaver
Research Institution: Princeton University
Home Institution: Oberlin College
Co-Authors: Karen Jackson-Weaver, Princeton University

Melisa Rojas ............................2:45 PM, Springdale II
Presentation Title: Examining Reciprocal Communication in Youth with Autism Spectrum Disorders Following a Peer-Mediated Theatre Intervention
Research Mentor: Blythe Corbett
Research Institution: Vanderbilt University
Home Institution: Pomona College
Co-Authors: Blythe Corbett and David Simon, Vanderbilt University
SS

Franklin Roman-Rodriguez..... 3:30 PM, Glenbrook
Presentation Title: Bacterial Cultures From Tadpoles of the Bullfrog Lithobates catesbeianus (Previously Rana catesbeiana)
Research Mentor: Valerie McKenzie
Research Institution: University of Colorado Boulder
Home Institution: UPR-Mayaguez
Co-Authors: Doug Woodhams and Valerie McKenzie, University of Colorado at Boulder
ES

Joshua Rosario Sepulveda .......... 11:45 AM, Elm I
Presentation Title: Structure Analysis of Human Red Cell Spectrin Using Homobifunctional Crosslinkers and High Resolution Mass Spectrometry
Research Mentor: David Speicher
Research Institution: University of Pennsylvania
Home Institution: UPR-Cayey
Co-Authors: David Speicher, Sandra Harper and Sira Sriswasdi, University of Pennsylvania
BB

Marlen Rosas ......................... 5:30 PM, Springdale I
Presentation Title: Protest in Perspective: Prospects of Continuity in Popular Mobilizations in Brazil
Research Mentor: Jeremy Adelman
Research Institution: Princeton University
Home Institution: Columbia University
Co-Authors: Jeremy Adelman, Princeton University
HU

Ornella Rutagarama .................. 5:45 PM, Glen III
Presentation Title: Detection and Analysis of Genomic Mutations Linked to APOBEC-Mediated Cytidine Deamination
Research Mentor: Susan Ross
Research Institution: University of Pennsylvania
Home Institution: Rochester Institute of Technology
Co-Authors: Ornella Rutagarama, Spyridon Stavrou and Susan S. Ross, University of Pennsylvania
AB

Rochelle Sadeghi ...................... 3:30 PM, Glen III
Presentation Title: Spontaneous Changes in Immortalized Mammalian Cell Lines Result in Cell Competition
Research Mentor: Ben Stanger
Research Institution: University of Pennsylvania
Home Institution: University of Central Florida
Co-Authors: Alfredo Penzo-Méndez and Ben Z. Stanger, University of Pennsylvania
BB
Timothy Salazar .......................... 3:15 PM, Glenbrook
Presentation Title: Analyzing Biocontrol Capability; Mecinus janthiniformis and Linaria dalmatica: A Blessed Communion? (ABCs of Weevils and Toadflax)
Research Mentor: Timothy Seastedt
Research Institution: University of Colorado Boulder
Home Institution: University of Chicago
Co-Authors: Timothy Seastedt, University of Colorado at Boulder
ES

Alicia Sanchez .......................... 11:45 AM, Glen I
Presentation Title: Arginine Vasopressin Neurons in Suprachiasmatic Nucleus of Transgenic Mice Deficient in FGF8 and FGFR1
Research Mentor: Pei-San Tsai
Research Institution: University of Colorado Boulder
Home Institution: Saint Mary's University
Co-Authors: Scott Kavanaugh, University of Colorado at Boulder
BB

Gabriel Augusto Sanchez .............. 3:15 PM, Springdale I
Presentation Title: Poverty and Race in the United States
Research Mentor: Matthew Snipp
Research Institution: Stanford University
Home Institution: Stanford University
School of Humanities & Sciences
SS

Kathryn Sanchez .......................... 3:45 PM, Alder
Presentation Title: Assessing Hippocampal Metabolism of MPS VII Mice by High Resolution Respirometry
Research Mentor: John Wolfe
Research Institution: University of Pennsylvania
Home Institution: New Mexico State University
Co-Authors: Michael Parente, Erzsebet Poljak and John Wolfe, University of Pennsylvania
BB

Carlos Santos-Perez ...................... 12:30 PM, Aspen II
Presentation Title: DAX1 and WT1: Novel Regulators of the LHß Transcription
Research Mentor: Margaret Shupnik
Research Institution: University of Virginia School of Medicine
Home Institution: UPR-Cayey
Co-Authors: Margaret Shupnik, Josefa Andrade and Debalina Bagchi, University of Virginia - BioMedical Sciences
BB

Sarah Schrader .......................... 4:00 PM, Elm II
Presentation Title: Modeling IDH1 Mutations in Neural Cell Types Derived from Human Embryonic Stem Cells
Research Mentor: Dimitris Placantonakis
Research Institution: New York University Sackler Institute
Home Institution: Western Kentucky University
Co-Authors: Aram S. Modrek, Thomas A. Neubert and Dimitris G. Placantonakis, New York University - BioMedical Sciences
BB

Amber Shaffer .......................... 4:45 PM, Alder
Presentation Title: Does Depression Lead to Incident Diabetes in African Americans?: The Jackson Heart Study
Research Mentor: Wen-Chih Hank WU
Research Institution: Brown University
Home Institution: Tougaloo College
Co-Authors: Tracey Traveria, Annie Gjelsvik and Wen-chih Wu, Brown University
AB

Zakariyah Sharif-Sidi ................... 12:15 PM, Aspen II
Presentation Title: Bioinformatic Analysis of the Transcription Factors Involved in Cochlear Synapse Formation
Research Mentor: Jianxin Bao
Research Institution: Washington University in St. Louis
Home Institution: University of Chicago
Co-Authors: Jianxin Bao and Ruqiang Liang, Washington University in St. Louis
BB

Tyler Sharp ............................... 4:00 PM, Cove II
Presentation Title: Love Prejudice: An Underestimated Social Problem
Research Mentor: Nicole Shelton
Research Institution: Princeton University
Home Institution: University of Delaware
Co-Authors: Nicole Shelton, Princeton University
SS

Andrea Shergalis ......................... 3:00 PM, Glen II
Presentation Title: Stabilities of Rhenium Complexes Formed by N2S2 and N3S Ligands
Research Mentor: Lynn Francescon
Research Institution: Hunter College
Home Institution: University of Akron
Co-Authors: Lynn Francesconi and Samuel Groveman, Hunter College
AB
Javier Sierra-Pagán ..................... 11:45 AM, Elm II
Presentation Title: Characterization of the Role of Hdac3 and Hopx in Cardiac Cell Differentiation In Vitro
Research Mentor: Jonathan Epstein
Research Institution: University of Pennsylvania
Home Institution: UPR-Rio Piedras
Co-Authors: Kurt A. Engleka and Jonathan A. Epstein, University of Pennsylvania
BB

LaTonya Simon .......................... 2:45 PM, Glen II
Presentation Title: Synthesis and Characterization of Photodegradable Oxime Derived Microparticles
Research Mentor: LaTonya Simon
Research Institution: University of Colorado Boulder
Home Institution: University of Maryland, Baltimore County
Co-Authors: Kristi Anseth and Michael Fleming, University of Colorado at Boulder
AB

Andrei Smid ......................... 11:45 AM, Alder
Presentation Title: Skp2 E3-ligase Inhibitors as Probes for Cell Cycle Analysis in Cancer
Research Mentor: Leslie Gold
Research Institution: New York University Sackler Institute
Home Institution: Jacobs University Bremen
Co-Authors: Leslie Gold and Savvas Pavlides, New York University - BioMedical Sciences
BB

Michael Snyder ...................... 5:45 PM, Elm II
Presentation Title: Inducible, Reversible Depletion of Endogenous Proteins in Mammalian Cells
Research Mentor: Andrew Holland
Research Institution: Johns Hopkins University
Home Institution: Boston University
Co-Authors: Andrew Holland, Johns Hopkins University
BB

Folasade Sofela ....................... 11:15 AM, Glen I
Presentation Title: Effects of Hypoxia on gamma-Secretase Activity in Neuronal Cells
Research Mentor: Yueming Li
Research Institution: Weill Cornell Medical College
Home Institution: Harvard University
Co-Authors: Yueming Li and Danica Chiu, Weill Cornell/Rockefeller/Sloan-Kettering Tri-Institutional
BB

Emilio Soto ........................... 12:15 PM, Glen III
Presentation Title: The Role of Sensory Cortex in Cue-induced Relapse to Drug Addiction
Research Mentor: Robert Froemke
Research Institution: New York University Sackler Institute
Home Institution: UPR-Rio Piedras
Co-Authors: Robert Froemke and Kishore Kuchibhotla, New York University - BioMedical Sciences
BB

Zoe Spafford ......................... 11:45 AM, Glen II
Presentation Title: The Spacial Organization of Skilled Behavior Within an Identified Neural Circuit
Research Mentor: Micheal Long
Research Institution: New York University Sackler Institute
Home Institution: University of Maryland, Baltimore County
Co-Authors: Michael Long, New York University - BioMedical Sciences
AB

Ryan Spector ......................... 2:45 PM, Elm II
Presentation Title: The Role of CDC25A in Neuronal Apoptosis
Research Mentor: Lloyd Greene
Research Institution: Columbia University
Home Institution: Rochester Institute of Technology
Co-Authors: Lloyd Greene and Stav Kemeny, Columbia University
BB

Vaughn Spurrier ..................... 4:00 PM, Glen I
Presentation Title: NMR Studies of the Q5A, G6S Unmyristylated Feline Immunodeficiency Virus Matrix Protein
Research Mentor: Michael Summers
Research Institution: University of Maryland, Baltimore County
Home Institution: Temple University
Co-Authors: Michael Summers and Lola Brown, University of Maryland, Baltimore County
BB
Phillip Stephens ............................ 3:30 PM, Elm II
Presentation Title: Understanding the Genetic Pathways Controlling Foraging Behavior in C. Elegans Using Double Mutant Analysis
Research Mentor: Cori Bargmann
Research Institution: Weill Cornell Medical College
Home Institution: Morehouse College
Co-Authors: Steven Flavell and Cori Bargmann, Weill Cornell/Rockefeller/Sloan-Kettering Tri-Institutional
BB

Anna Stephenson ...................... 2:45 PM, High Ridge
Presentation Title: Manipulating Atoms to Create Artificial Materials
Research Mentor: Hari Manoharan
Research Institution: Stanford University
Home Institution: University of Notre Dame
Co-Authors: Hari Manoharan, Stanford University School of Humanities & Sciences; Kenjiro Gomes, University of Notre Dame
PS

Shanira Suazo .......................... 5:30 PM, Glen III
Presentation Title: Development of Bioorthogonal Profiling of DNA Methylation (BPDM) Technology to Study the Mechanisms of DNA-Methyltransferases in the Epigenome
Research Mentor: Minkui Luo
Research Institution: Weill Cornell Medical College
Home Institution: Clarkson University
Co-Authors: Minkui Luo and Kabirul Islam, Memorial Sloan Kettering Cancer Center
BB

Nakul Talathi ............................. 5:15 PM, Glen I
Presentation Title: NRF2 Expression in Diabetic Wound Healing Tissue
Research Mentor: Daniel Ceradini
Research Institution: New York University Sackler Institute
Home Institution: University of Georgia
Co-Authors: Daniel Ceradini, New York University - BioMedical Sciences
AB

Joshua Taliaferro .......................... 5:15 PM, Elm I
Presentation Title: Utilizing Microfluidics to Study Platelet Activity and Thrombus Formation In Vitro
Research Mentor: Lawrence Brass
Research Institution: University of Pennsylvania
Home Institution: Princeton University
Co-Authors: Lawrence Brass, John Welsh and Sang Min, University of Pennsylvania
AB

MacKenzie Taylor .......................... 5:15 PM, Aspen II
Presentation Title: Novel Bisphosphonates and Osteoblast Differentiation and Mineralization
Research Mentor: Thorsten Kirsch
Research Institution: New York University Sackler Institute
Home Institution: Michigan State University
Co-Authors: Thorsten Kirsch, New York University - BioMedical Sciences
AB

Ephrath Tesfaye ............................. 12:30 PM, Glen III
Presentation Title: Changes in the Synaptic Plasticity of the Hypothalamic Paraventricular Nucleus Following Hypertension in the AOF Menopausal Mouse Model
Research Mentor: Teresa Milner
Research Institution: Weill Cornell Graduate School
Home Institution: Cornell University
Co-Authors: Teresa Milner and Jose Lopes, Weill Cornell Graduate School of Medical Sciences
BB

Phillip Thomas ............................. 3:15 PM, Aspen I
Presentation Title: An Unbiased Screen Identifies New Pf1 Interactors With Biological Significance in Chromatin Modification and Transcriptional Control
Research Mentor: Gregory David
Research Institution: New York University Sackler Institute
Home Institution: North Carolina A&T State University
Co-Authors: Richard Graveline, Saie Yoin Choi and Gregory David, New York University - BioMedical Sciences
AB
Selamawi Tilahun ...................... 3:00 PM, Glen III
Presentation Title: Analysis of Sperm Telomere Length in Men With Clinical Infertility and Its Extensive Variation Within Specimens
Research Mentor: David Keefe
Research Institution: New York University Sackler Institute
Home Institution: James Madison University
Co-Authors: Danielle Antunes, Keri Kalmbach and David Keefe, New York University - BioMedical Sciences

Kevin Trujillo .......................... 4:00 PM, Westover
Presentation Title: Developing Photovoltaic Cells Using Semiconducting Polymers – Novel Methods of Harvesting Solar Energy
Research Mentor: Luping Yu
Research Institution: University of Chicago
Home Institution: Loyola University of Chicago
Co-Authors: Luping Yu and Luyao Lu, University of Chicago

George Torres ....................... 2:45 PM, Long Ridge
Presentation Title: Deconstructing Graphs and Their Eigenspectra
Research Mentor: Benson Farb
Research Institution: University of Chicago
Home Institution: Harvard University
Co-Authors: Benson Farb, University of Chicago; Abel Misrak, California Institute of Technology

Andrew Tuck ............................. 3:30 PM, Cove I
Presentation Title: Identifying Motivations for Medication Adherence in HIV-Positive Methamphetamine-Using Men Who Have Sex With Men
Research Mentor: Jeffrey Parsons
Research Institution: Hunter College
Home Institution: University of Michigan-Ann Arbor
Co-Authors: Jeffrey Parsons, Tyrel Starks and Leona Hess, Hunter College

Jaylissa Torres ...................... 3:45 PM, High Ridge
Presentation Title: Co and Zr oxides/ Si (001) Epitaxial Growth and Surface Analysis: Ultra High Vacuum System Validation
Research Mentor: Eric Altman
Research Institution: Yale University
Home Institution: UPR-Cayey
Co-Authors: Georg Simon and Eric Altman, Yale University

Kyle Tucker ............................ 12:15 PM, Elm II
Presentation Title: Cell Cycle Effects of Delta Np63 alpha and SAMD9L on Lung Squamous Cell Carcinoma
Research Mentor: Joaquin Espinosa
Research Institution: University of Colorado Boulder
Home Institution: Lafayette College
Co-Authors: Joaquin Espinosa and Corrie Lynn Gallant-Behm, University of Colorado at Boulder

Raquel Tripp ......................... 3:15 PM, Elm II
Presentation Title: Separation of Maternal and Fetal Components of Products of Conception (POC) Using Laser Capture Microdissection and Evaluation of Direct PCR for Paternity Testing in Sexual Assault Cases
Research Mentor: Grace Axler-Diperte
Research Institution: New York University Sackler Institute
Home Institution: College of William & Mary
Co-Authors: Zoran Budimlija and Grace Axler-DiPerte, New York City Office of Chief Medical Examiner

Osaze Udeagbala ...................... 3:45 PM, Glen II
Presentation Title: Searching for Drug Leads: A Live Cytotoxicity Assay Against Giardia lamblia
Research Mentor: Ana Rodriguez
Research Institution: New York University Sackler Institute
Home Institution: Cooper Union
Co-Authors: Ana Rodriguez and Jessey Erath, New York University - BioMedical Sciences
Camila Uechi.............................. 11:15 AM, Elm II
Presentation Title: Investigating the Mechanisms of Atrial Fibrillation Through the Use of Computational Human Atrial Models
Research Mentor: David Christini
Research Institution: Weill Cornell Medical College
Home Institution: University of Maryland, College Park
Co-Authors: David Christini and Trine Krogh-Madsen, Weill Cornell/Rockefeller/Sloan-Kettering Tri-Institutional

AB

Tayler Ulmer ......................... 5:15 PM, Cove II
Presentation Title: African Immigration to America and the Tri-Conscious Identity
Research Mentor: Matthew Guterl
Research Institution: Brown University
Home Institution: Spelman College

SS

Stephen Vicchio ..................... 3:45 PM, Westover
Presentation Title: A Combinatorial Study of the Dealloying of Au/Ag/Pd Metal Alloys For Improved Fuel Cell Catalysts
Research Mentor: Andre Taylor
Research Institution: Yale University
Home Institution: University of Maryland, Baltimore County
Co-Authors: Jinyang Li, Ryan Sekol and Andre Taylor, Yale University

EN

Joseph Villanueva ............... 5:00 PM, Aspen II
Presentation Title: Joint Repair: Engineering Tissue Scaffolds Using Polyethylene Glycol Hydrogels
Research Mentor: Joseph Villanueva
Research Institution: University of Colorado Boulder
Home Institution: University of New Mexico
Co-Authors: Stephanie J. Bryant, Justine J. Roberts and Mark D. Swartzlander, University of Colorado at Boulder

AB

Brian Walsh ......................... 5:30 PM, Waterside
Presentation Title: The Association Between Juvenile Arrest, Health Insurance, and Health Care Utilization
Research Mentor: Christopher Wildeman
Research Institution: Yale University
Home Institution: Chaminade University of Honolulu
Co-Authors: Christopher Wildeman and Emily Wang, Yale University

SS

Kelsey Wanhainen.................. 11:30 AM, Glen I
Presentation Title: Structural and Biophysical Studies of TREM2 in Neurological Diseases
Research Mentor: Tom Brett
Research Institution: Washington University in St. Louis
Home Institution: Colgate University
Co-Authors: Tom Brett, Washington University in St. Louis

BB

Sagirah Wheeler..................... 3:45 PM, Waterside
Presentation Title: Words of Encouragement: Listening to the Past in Order to Prepare for the Future
Research Mentor: Amy Hillier
Research Institution: University of Pennsylvania Arts & Sciences
Home Institution: Morgan State University
Co-Authors: Amy Hillier, University of Pennsylvania; Stephanie Boddie, University of Pittsburgh

SS

Princess Williams............... 5:15 PM, Springdale I
Presentation Title: Are More Women Needed in the Congressional Black Caucus?
Research Mentor: Matthew Platt
Research Institution: Harvard University
Home Institution: Jackson State University
Co-Authors: Matthew Platt, Harvard University, Dept. of Government

PE

Sade Williams....................... 3:15 PM, Waterside
Presentation Title: Am I Who I Say I Am or What They Say I Am?: Identity Construction in Juvenile Courtroom Proceedings
Research Mentor: Carla Shedd
Research Institution: Columbia University
Home Institution: Middlebury College
Co-Authors: Carla Shedd, Columbia University

SS

Gillian Wood......................... 5:30 PM, Springdale II
Presentation Title: The Dangers of Expectant Evaluation: The Problem of Judgment in Washington Square and The Portrait of a Lady
Research Mentor: Ross Posnock
Research Institution: Columbia University
Home Institution: Williams College
Co-Authors: Ross Posnock, Columbia University

HU
Kathryn Wu........................................ 4:45 PM, Glen III
Presentation Title: Hypermethylation of CpG Sites
Upstream of Hexanucleotide Repeat Expansions in
the C9ORF72 Gene of ALS and FTD Patients
Research Mentor: Edward Lee
Research Institution: University of Pennsylvania
Home Institution: Swarthmore College
Co-Authors: Edward Lee and Elaine Liu, University of
Pennsylvania

Pauline Xu ................................. 12:00 PM, Elm I
Presentation Title: Quantitative Phosphoproteomic
Analysis Using High-Resolution Tandem Mass
Spectrometry
Research Mentor: Thomas Neubert
Research Institution: New York University Sackler
Institute
Home Institution: University of Maryland,
Baltimore County
Co-Authors: Thomas Neubert, Paule Hoedt and Steven
Blais, New York University - BioMedical Sciences

Saiah Yates ................................. 12:30 PM, Elm II
Presentation Title: Phosphorylation of Threonine 45 of
Histone H3 and the Effects of Alanine and Aspartic
Acid Mutations
Research Mentor: Danny Reinberg
Research Institution: New York University Sackler
Institute
Home Institution: University of Maryland,
Baltimore County
Co-Authors: Danny Reinberg and Eric Campos, New
York University - BioMedical Sciences

Amy Zhang................................. 12:00 PM, Glen I
Presentation Title: A Quirky Inhibitory Circuit in the
Cerebral Cortex
Research Mentor: Barry Connors
Research Institution: Brown University
Home Institution: Carnegie Mellon University
Co-Authors: Arthur Sugden, Barry Connors and
Saundra Patrick, Brown University
# Poster Presentations by Number

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<td>Jermaine Blakley</td>
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<td>The Prevention of Pancreatic Cancer by the Inhibition of Phosphatidylinositol-3-Kinase (PI-3K): The Induction of Cellular Suicide in the Endocrine Gland of the Pancreas for the Development of a Highly Selective Cancer Treatment</td>
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<td>Jazmin Branch</td>
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<td>Closing The Gap: Stress as a Contributor to Racial/Ethnic Disparities in Infant Mortality</td>
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<td>Transgenerational Behavioral and Morphological Deficits Due to Alcohol and/or Tobacco Nitrosamine Exposures</td>
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<td>Roberto De La Rosa</td>
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<td>Samantha Dizon</td>
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<td>The Impact of Adherence on Health Related Quality of Life in Patients with Cystic Fibrosis</td>
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<td>Evaluating the Role of the Lipofuscin Bisretinoid A2E in Age Related Macular Degeneration and the Characterization of the Candidate Drug Beta-Cyclodextrin</td>
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<td>19</td>
<td>Danielle Hyatt</td>
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<td>The Role of Laminar Shear Stress on Endothelial Cells</td>
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<td>20</td>
<td>Danyelle Johnson</td>
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<td>Identifying C-Kit Cardiac Stem Cells in Post-Myocardial Infarcted Heart</td>
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<td>21</td>
<td>Joshua Jones</td>
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<td>Development of a KSHV Bacterial Artificial Chromosome Clone to Evaluate LANA’s Role in Episome Maintenance</td>
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<td>22</td>
<td>Oluwabasayo Lana</td>
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<td>Traumatic Brain Injury: Quantifying Atrophy of the Hippocampus and the Cortex</td>
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<td>23</td>
<td>Kayla Lapier</td>
<td>AB</td>
<td>The Expression of Aquaporin 3b During Nervous System Development in Embryos of Xenopus laevis</td>
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<td>24</td>
<td>Aranza Portugal Leon</td>
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<td>The Effects of a Nutrition Education Program on Nutrition Knowledge, Attitudes, and Behaviors Among Elementary School Children in New York City</td>
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<td>Effects of Camptothecin on Survivability of Dorsal Root Ganglion</td>
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<td>Evaluation of IRGM Gene Expression and Reference Genes in Epstein-Barr Virus-Transformed Lymphoblastoid Cell Lines</td>
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<td>27</td>
<td>Pedro Perez</td>
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<td>Identification of Novel Survival of Motor Neuron Protein Stabilizers</td>
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<td>Eshaan Rao</td>
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<td>Smoothened Inhibitor, LDE225, Induces Apoptosis in Medulloblastoma Cells Through Activation of the Intrinsic Apoptotic Pathway</td>
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<td>Andres Rosario</td>
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<td>Breast Cancer Specimen Imaging to Detect Residual Cancer During Surgery</td>
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<td>Marcus Vandall</td>
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<td>Purification of Escherichia coli Cascade</td>
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<td>Vivian Chioma</td>
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<td>The Prevalence of Dopamine D2 Receptors in Striatal Cholinergic Interneurons</td>
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<td>Chth1 is a Potential Regulator of Nodal Signaling in Zebrafish</td>
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<td>Regulation of Mitochondrial Release From Microtubules During Cell Division</td>
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<td>Galectin-3 Production for Cancer Studies</td>
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<td>It's Getting Hot in Here: Structural and Functional Studies on Thermo-Sensitive Ion Channels</td>
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<td>Determining the Significance of Trim28 for Twist1-induced Epithelial-mesenchymal Transition</td>
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<td>55</td>
<td>Sara Marin</td>
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<td>Eileen Martinez</td>
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<td>Testing the Contribution of Chromosome Anchoring to Efficient DNA Transport During Sporulation in Bacillus Subtilis</td>
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<td>The Effects of Physical Exercise Duration on Social and Attentional Impairments in a Rat Model of ADHD</td>
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<td>What’s in a Word? Associations Between Teacher Word Choice and Observed Effectiveness</td>
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<td>Mariela Castro</td>
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<td>¡Mijo, You Can Co It!: Exploring the Relationship Between Maternal Expectations and Effortful Control Among Second Generation Preschoolers</td>
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<td>Stressed Out in the Classroom? Predictors of Stress and Links to Teacher Quality</td>
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<td>Do State Standardized Graduation Requirements Improve Minority Student Outcomes?: The Case of the Michigan Merit Curriculum</td>
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<td>Understanding the Pathway to Suicide: The Role of Planning for Suicide</td>
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<td>Individual differences in intentionality judgments for victims differing in social status</td>
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<td>Alexis Staver</td>
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<td>The Relation Between Child Maltreatment and Socioemotional Development of Children in the First Two Years of Their Life</td>
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<td>Krystal Thomas</td>
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<td>Unpacking the Black Box of Coaching Conferences: The Link Between Teacher and Classroom Characteristics and Coaches’ Approach to Feedback</td>
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<td>Position Dependence of Human Visual Object Recognition</td>
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<td>Aspen Yoo</td>
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<td>Investigating Orientation Invariance in Visual Object Recognition</td>
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<td>Maria Martinez</td>
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**Poster Presentations by Name**

**Jesus Acevedo, 1** .......................... 8:45-9:45 AM
Presentation Title: Effect of the Microtubule Targeting Drug Eribulin, on Microtubule Dynamics in Breast Cancer Cell Lines
Research Mentor: Alexandre Matov
Research Institution: Weill Cornell Graduate School
Home Institution: UPR-Rio Piedras
Co-Authors: Alexandre Matov, Weill Cornell Graduate School of Medical Sciences

**Lisbeth Acosta, 84** ......................... 9:45-10:45 AM
Presentation Title: Influence of Home Visiting Program on Young Mothers’ Parental Stress and Corporal Punishment
Research Mentor: Jana Chaudhuri
Research Institution: Tufts University
Home Institution: UMass Amherst
Co-Authors: Ann Easterbrooks and Jana Chaudhuri, Tufts University

**Tangeria Adams, 85** ......................... 9:45-9:45 AM
Presentation Title: The Effects of Physical Exercise Duration on Social and Attentional Impairments in a Rat Model of ADHD
Research Mentor: David Bucci
Research Institution: Dartmouth College
Home Institution: Brooklyn College CUNY
Co-Authors: Andrea Robinson and David Bucci, Dartmouth College

**Jewel Akinbola, 2** .......................... 8:45-9:45 AM
Presentation Title: Gene Therapy: Retinitis Pigmentosa
Research Mentor: Constance Cepko
Research Institution: Harvard University, Division of Medical Sciences
Home Institution: University of Maryland, Baltimore County
Co-Authors: EVeDangi Sample and Constance Cepko, Harvard Medical School, Dept. of Genetics

**Korleki Akiti, 35** ............................. 8:45-9:45 AM
Presentation Title: GABAergic Neurons in the Ventral Tegmental Area Modulate Reward Expectation During Associative Learning
Research Mentor: Nao Uchida
Research Institution: Harvard University
Home Institution: Princeton University
Co-Authors: Neir Eshel, Harvard Medical School, Neuroscience Program; Nao Uchida, Harvard University, Dept. of Molecular and Cellular Biology

**Jacob Alvarez, 76** ............................ 9:45-10:45 AM
Presentation Title: Determining the Cause of Performance Decline of a PEM Fuel Cell
Research Mentor: Christopher Edwards
Research Institution: Stanford University Engineering
Home Institution: University of Maryland, Baltimore County
Co-Authors: Christopher Edwards and Carol Regalbuto, Stanford University School of Engineering

**Samantha Angell, 86** ......................... 9:45-10:45 AM
Presentation Title: What’s in a Word? Associations Between Teacher Word Choice and Observed Effectiveness
Research Mentor: Jennifer LoCasale-Crouch
Research Institution: University of Virginia School of Education
Home Institution: Ripon College
Co-Authors: Amy Roberts and Jennifer LoCasale-Crouch, University of Virginia - Education Sciences

**Yonathan Ararso, 36** .......................... 9:45-10:45 AM
Presentation Title: Melanoma-derived Factors TGFß1 and VEGF-A Suppress Anti-Tumor Immunity by Interfering with Dendritic Cell Maturation and Activation
Research Mentor: Jie Jiang
Research Institution: Weill Cornell Graduate School
Home Institution: Hampden-Sydney College
Co-Authors: Kristian Hargadon, Hampden-Sydney College

**Chi-Hang Au, 87** ............................. 8:45-9:45 AM
Presentation Title: Marijuana Legalization: Effects on Youth Aggressive Behavior
Research Mentor: Daniel Player
Research Institution: University of Virginia School of Education
Home Institution: Liberty University
Co-Authors: Daniel Player and Disha Venkatesan, University of Virginia - Education Sciences
Zachery Austin, 3 .......................... 8:45-9:45 AM
Presentation Title: Characterization of Novel Factors that Activate the Type III Interferon Promoter
Research Mentor: Emmanuel Thomas
Research Institution: University of Miami
Home Institution: Morehouse College
Co-Authors: Emmanuel Thomas, University of Miami

Alexander Ballard, 4 ......................... 9:45-10:45 AM
Presentation Title: A Study of KLF1 in Erythropoietin Treated TF1 Cells as a Model of Anemia of Inflammation
Research Mentor: Cindy Roy
Research Institution: Johns Hopkins University
Home Institution: University of Maryland, Baltimore County
Co-Authors: Jackie M. Langdon, Brian J. McCranor and Dr. Cindy N. Roy, Johns Hopkins University

Maria Banuelos, 37 .......................... 8:45-9:45 AM
Presentation Title: Discerning the Role of Self-Identity Proteins in Isolates of the Pathogen Proteus mirabilis
Research Mentor: Karine Gibbs
Research Institution: Harvard University
Home Institution: University of Redlands
Co-Authors: Lia Cardarelli, Martha Zepeda and Karine Gibbs, Harvard University, Dept. of Molecular and Cellular Biology

Cynthia Barajas, 77 .......................... 8:45-9:45 AM
Presentation Title: Real-Time Hardware Identification of Single Ion Channel Gating
Research Mentor: Jacob Rosenstein
Research Institution: Brown University
Home Institution: California State Polytechnic University
Co-Authors: Jacob Rosenstein, Brown University

Erick Bayala, 38 .............................. 9:45-10:45 AM
Presentation Title: Use of the Gal4/UAS System to Study the Functional Evolution of Novel Genes in Drosophila Species
Research Mentor: Cassandra Extavour
Research Institution: Harvard University
Home Institution: UPR-Humacao
Co-Authors: Cassandra Extavour and Tripti Gupta, Harvard University, Dept. of Organismic and Evolutionary Biology

Kirollos Bechay, 39 .......................... 8:45-9:45 AM
Presentation Title: Characterization and Elucidation of DNA Compaction in the Developing Embryo
Research Mentor: Susan Mango
Research Institution: Harvard University
Home Institution: UC Irvine
Co-Authors: Susan Mango and Hui Mei Chen, Harvard University, Dept. of Molecular and Cellular Biology

Nia Blackwolf, 88 ............................. 9:45-10:45 AM
Presentation Title: Native American Need for Alcohol Treatment; Abuse Squared
Research Mentor: George Haynes
Research Institution: Montana State University - Bozeman
Home Institution: Montana State University - Bozeman
Co-Authors: George Haynes, Montana State University

Jermaine Blakley, 5 ........................... 8:45-9:45 AM
Presentation Title: The Prevention of Pancreatic Cancer by the Inhibition of Phosphatidylinositol-3-Kinase (PI-3K): The Induction of Cellular Suicide in the Endocrine Gland of the Pancreas for the Development of a Highly Selective Cancer Treatment
Research Mentor: Karen Jackson-Weaver
Research Institution: Princeton University
Home Institution: Morehouse College
Co-Authors: Celeste Nelson, Princeton University

Caitlin Brown, 89 ............................. 8:45-9:45 AM
Presentation Title: Exploring Discrepancies in Teacher and Student Perceptions of Emotional Support in the Classroom
Research Mentor: Jason Downer
Research Institution: University of Virginia School of Education
Home Institution: Southern Oregon University
Co-Authors: Sadie Hasbrouck and Jason Downer, University of Virginia - Education Sciences
Jeffrey Brown, 73........................................... 8:45-9:45 AM
Presentation Title: Variations of Phosphate Concentration on Cyanobacterial Biofertilizer Production
Research Mentor: Rich Macur
Research Institution: Montana State University - Bozeman
Home Institution: Montana State University - Bozeman
Co-Authors: Rich Macur, Lloydine Runsabove and Lisa Weeks, Montana State University

Johanel Caceres, 90 ................................. 9:45-10:45 AM
Presentation Title: Does Mother’s and Father’s Time in the U.S. Influence Second-Generation Children’s Vocabulary in English and Spanish
Research Mentor: Natalia Palacios
Research Institution: University of Virginia School of Education
Home Institution: Skidmore College
Co-Authors: Ashley Simpson, Natalia Palacios and Amanda Kibler, University of Virginia - Education Sciences

Melissa Carr-Reynolds, 72 ........................ 9:45-10:45 AM
Presentation Title: Potential Mechanisms Underlying Stress Effects on Neurogenesis
Research Mentor: Kevin Bath
Research Institution: Brown University
Home Institution: Spelman College
Co-Authors: Kevin Bath, Brown University

Karina Castro, 7 ........................................ 8:45-9:45 AM
Presentation Title: Transgenerational Behavioral and Morphological Deficits Due to Alcohol and/or Tobacco Nitrosamine Exposures
Research Mentor: Suzanne de la Monte
Research Institution: Brown University
Home Institution: Saint John’s University
Co-Authors: Suzanne de la Monte and Teresa Ramirez, Brown University; Tomas Andreani, Pitzer College

Mariela Castro, 91................................. 8:45-9:45 AM
Presentation Title: ¡Mijo, You Can Co It!: Exploring the Relationship Between Maternal Expectations and Effortful Control Among Second Generation Preschoolers
Research Mentor: Natalia Palacios
Research Institution: University of Virginia School of Education
Home Institution: University of Nevada, Reno
Co-Authors: Ashley Simpson, Natalia Palacios and Amanda Kibler, University of Virginia - Education Sciences

Vivian Chioma, 40 ................................. 9:45-10:45 AM
Presentation Title: The Prevalence of Dopamine D2 Receptors in Striatal Cholinergic Interneurons
Research Mentor: Daniel McGehee
Research Institution: University of Chicago
Home Institution: University of Maryland, Baltimore County
Co-Authors: Daniel McGehee and Austin Lim, University of Chicago

Achala Chittor, 41 ................................. 8:45-9:45 AM
Presentation Title: Cth1 is a Potential Regulator of Nodal Signaling in Zebrafish
Research Mentor: Alexander Schier
Research Institution: Harvard University
Home Institution: Williams College
Co-Authors: Alexander Schier and James Gagnon, Harvard University, Dept. of Molecular and Cellular Biology

Kathryn Coe, 42 ......................... 9:45-10:45 AM
Presentation Title: Measuring the Effects of Desmosterol on the Activity of the Hepatitis C Virus Replicase
Research Mentor: Priscilla Yang
Research Institution: Harvard University, Division of Medical Sciences
Home Institution: Colby College
Co-Authors: alerie Villareal and Priscilla Yang, Harvard Medical School, Dept. of Microbiology and Immunobiology

Cheryl Coleman, 92 ......................... 9:45-10:45 AM
Presentation Title: Testing PAAS Intervention Effects on Rural African American Youths’ Academic Aspiration
Research Mentor: Velma Murry
Research Institution: Vanderbilt University
Home Institution: Claflin University
Co-Authors: Velma Murry and Na Liu, Vanderbilt University

Artesse Conley, 8 ................................. 9:45-10:45 AM
Presentation Title: Developmental Biology: Absence Seizures
Research Mentor: Karen Jackson-Weaver
Research Institution: Princeton University
Home Institution: Morehouse College
Co-Authors: Rodney Priestley, Princeton University
Laura Craciun, 43 ........................... 8:45-9:45 AM
Presentation Title: The Classification of Interneurons in the Thalamic Reticular Nucleus
Research Mentor: Barry Connors
Research Institution: Brown University
Home Institution: New York University
Co-Authors: Barry Connors, Brown University

Marylin Creer, 44 ......................... 9:45-10:45 AM
Presentation Title: Studying Protein Interactions Among Aquilegia MADS-Box Transcription Factors
Research Mentor: Elena Kramer
Research Institution: Harvard University
Home Institution: Alabama A&M University
Co-Authors: Elena Kramer and Lynn Holappa, Harvard University, Dept. of Organismic and Evolutionary Biology

DeMarcus Crews, 78 ....................... 9:45-10:45 AM
Presentation Title: Development of an H-bond Donor Catalyst for Beta-Selective Glycosylation of 2-Deoxycarbohydrates
Research Mentor: Eric Jacobsen
Research Institution: Harvard University
Home Institution: Morehouse College
Co-Authors: Eric Jacobsen, Kaid Harper and Dan Lehnherr, Harvard University, Dept. of Chemistry

Charity Crowell, 95 ........................ 8:45-9:45 AM
Presentation Title: EStressed Out in the Classroom? Predictors of Stress and Links to Teacher Quality
Research Mentor: Jennifer LoCasale-Crouch
Research Institution: University of Virginia School of Education
Home Institution: University of Alabama-Tuscaloosa
Co-Authors: Amy Roberts and Jennifer LoCasale-Crouch, University of Virginia - Education Sciences

Jose Cuchilla, 93 .......................... 8:45-9:45 AM
Presentation Title: Social Support and Health Behavior: Exploring Associations to Diabetes among the Hispanic Community
Research Mentor: Micere Keels
Research Institution: University of Chicago
Home Institution: California State Polytechnic University, Pomona
Co-Authors: Micere Keels, University of Chicago

Kayla Davis, 45 ........................... 8:45-9:45 AM
Presentation Title: Characterizing the Role of SNX9 in Autophagosome Maturation
Research Mentor: Wade Harper
Research Institution: Harvard University, Division of Medical Sciences
Home Institution: Oklahoma State University
Co-Authors: Laura Pontano-Vaites and Wade Harper, Harvard Medical School, Dept. of Cell Biology

Roberto De La Rosa, 9 ..................... 8:45-9:45 AM
Presentation Title: Sensorimotor Rhythms in the Motor Cortex of a Rhesus Macaque Performing a Motor Task Through a Brain-Machine Interface
Research Mentor: Nicholas Hatsopoulos
Research Institution: University of Chicago
Home Institution: Brown University
Co-Authors: Nicholas Hatsopoulos, Karthikeyan Balasubramanian and Mukta Vaidya, University of Chicago

Breann De Santiago, 10 ................. 9:45-10:45 AM
Presentation Title: Rotten Eggs' H2S Acting on Human Airway Smooth Muscle Mechanics
Research Mentor: Steven An
Research Institution: Johns Hopkins University
Home Institution: Whittier College
Co-Authors: Steven An and Robert Fitzgerald, Johns Hopkins University

Samantha Dizon, 11 ...................... 8:45-9:45 AM
Presentation Title: The Impact of Adherence on Health Related Quality of Life in Patients with Cystic Fibrosis
Research Mentor: Michelle Eakin
Research Institution: Johns Hopkins University
Home Institution: Loyola University
Co-Authors: Michelle Eakin and Kristin Riekert, Johns Hopkins University

Leena Doolabh, 12 ....................... 9:45-10:45 AM
Presentation Title: Imaging Tumor Endothelial Cells with Lectin Nanoparticles
Research Mentor: Arvind Pathak
Research Institution: Johns Hopkins University
Home Institution: University of Delaware
Co-Authors: Karen Hong, Yoshinori Kato and Arvind Pathak, Johns Hopkins University
Marcus Florez, 13 ................................. 8:45-9:45 AM
Presentation Title: Epigenetic Influences on T Cell Differentiation and Function
Research Mentor: Franco D'Alessio
Research Institution: Johns Hopkins University
Home Institution: University of Kansas
Co-Authors: Benjamin Singer and Franco D'Alessio,
Johns Hopkins University

Ruthly Francois, 14 ............................... 9:45-10:45 AM
Presentation Title: Understand the Tumorigenesis of Breast Cancer
Research Institution: Novartis Institutes for BioMedical Research
Co-Authors: Victor Lin, Ning Guo and Yi Yang, Novartis Institutes for BioMedical Research

Samuel Garcia, 15 ................................. 8:45-9:45 AM
Presentation Title: Targeted Sequencing of Novel Genes Associated with Airway Reactivity from a Genome Wide Association Study Performed on Lung Health Study Data
Research Mentor: Kathleen Barnes
Research Institution: Johns Hopkins University
Home Institution: University of Texas at El Paso
Co-Authors: Nicholas Rafaels, Rasika Mathias and Kathleen Barnes, Johns Hopkins University

Jennifer Garraway, 94 ............................. 9:45-10:45 AM
Presentation Title: Stimulant Effects on Emotion in Healthy Volunteers
Research Mentor: Tara White
Research Institution: Brown University
Home Institution: Hunter College
Co-Authors: Mikalei Gordon and Tara White, Brown University

Josephine Gonzales, 46 ............................ 9:45-10:45 AM
Presentation Title: Validating Genetic Tools for Suppressing Major Oxidative DNA Damage-Repairing Proteins
Research Mentor: Priyamvada Rai
Research Institution: University of Miami
Home Institution: CSU San Marcos
Co-Authors: Priyamvada Rai, Anisleidys Munoz and Brooke Zarouri, University of Miami

Jean Guillaume, 79 ............................... 8:45-9:45 AM
Presentation Title: Blending Finite Element with Penalty Immersed Boundary to Investigate Hemodynamics in the Aorta
Research Mentor: Johnny Guzman
Research Institution: Brown University
Home Institution: Brooklyn College CUNY
Co-Authors: Johnny Guzman, Samy Wu and Anthony Pellegrino, Brown University

Robert Gutierrez, 16 .............................. 9:45-10:45 AM
Presentation Title: Nanopiece: A Stabilizing and Protecting Vehicle for Molecular Beacon Delivery
Research Mentor: Qian Chen
Research Institution: Brown University
Home Institution: Santa Barbara City College
Co-Authors: Yupeng Chen and Qian Chen, Brown University

Nicole Hernandez, 47 ............................. 8:45-9:45 AM
Presentation Title: Regulation of Mitochondrial Release From Microtubules During Cell Division
Research Mentor: Tom Schwarz
Research Institution: Harvard University, Division of Medical Sciences
Home Institution: UC Irvine
Co-Authors: Thomas Schwarz, Harvard Medical School, Children's Hospital; Jarom Chung, Harvard Medical School, Biological and Biomedical Sciences Program

Danielle Hindes, 18 ............................... 9:45-10:45 AM
Presentation Title: Evaluating the Role of the Lipofuscin Bisretinoid A2E in Age Related Macular Degeneration and the Characterization of the Candidate Drug Beta-Cyclodextrin
Research Mentor: Marcelo Nociari
Research Institution: Weill Cornell Graduate School
Home Institution: SUNY College at Fredonia
Co-Authors: Marcelo Nociari, Weill Cornell Graduate School of Medical Sciences
Elvina Hogan, 48 .......................... 9:45-10:45 AM
Presentation Title: Galectin-3 Production for Cancer Studies
Research Mentor: Mary Cloninger
Research Institution: Montana State University - Bozeman
Home Institution: Little Big Horn College
Co-Authors: Mary Cloninger and Anna Michel, Montana State University

Linda Honaker, 49 ......................... 8:45-9:45 AM
Presentation Title: It’s Getting Hot in Here: Structural and Functional Studies on Thermo-Sensitive Ion Channels
Research Mentor: Rachelle Gaudet
Research Institution: Harvard University
Home Institution: San Diego State University
Co-Authors: Ute Hellmich, Harvard University, Dept. of Molecular and Cellular Biology; Luciann Cuenca, Harvard Medical School, Biological and Biomedical Sciences Program; Rachelle Gaudet, Harvard University, Dept. of Molecular and Cellular Biology

Danielle Hyatt, 19 .......................... 8:45-9:45 AM
Presentation Title: The Role of Laminar Shear Stress on Endothelial Cells
Research Mentor: Sina Rabbany
Research Institution: Weill Cornell Graduate School
Home Institution: Gonzaga University
Co-Authors: Sina Y. Rabbany, Weill Cornell Graduate School of Medical Sciences

Aasha Jackson, 96 .......................... 9:45-10:45 AM
Presentation Title: This Is Us: Teaching High School Students to Conduct Research in Their Communities
Research Mentor: Kimberley Wilson
Research Institution: Tufts University
Home Institution: Brown University
Co-Authors: Jessica Manfredi and Kimberley Wilson, Tufts University

Danyelle Johnson, 20 ...................... 9:45-10:45 AM
Presentation Title: Identifying C-Kit Cardiac Stem Cells in Post-Myocardial Infarcted Heart
Research Mentor: Kim Kelly
Research Institution: University of Virginia School of Medicine
Home Institution: University of Maryland, Baltimore County
Co-Authors: Siva Sai Krishna Dasa, University of Virginia - BioMedical Sciences

Joshua Jones, 21 ........................... 8:45-9:45 AM
Presentation Title: Development of a KSHV Bacterial Artificial Chromosome Clone to Evaluate LANA’s Role in Episome Maintenance
Research Mentor: Kenneth Kaye
Research Institution: Harvard University, Division of Medical Sciences
Home Institution: University of Maine
Co-Authors: Franceline Juillard, Brigham and Women’s Hospital; Kenneth Kaye, Harvard Medical School, Brigham and Women’s Hospital

Tonee’ Jones, 50 ........................... 9:45-10:45 AM
Presentation Title: Characterizing the Function of Mycobacterium Tuberculosis Efflux Pumps in a Mycobacterium Smegmatis Overexpression System
Research Mentor: Alissa Myrick
Research Institution: Harvard University, Division of Medical Sciences
Home Institution: Morehouse College
Co-Authors: Alissa Myrick and Brian Schuster, Harvard School of Public Health; Eric Rubin, Harvard School of Public Health, Dept. of Immunology and Infectious Disease

Jennifer Kamara, 51 ........................ 8:45-9:45 AM
Presentation Title: Interrogation of Lipid-Protein Interactions Involved in Cellular Uptake of Lipid Nanoparticle-Formulated siRNA
Research Institution: Novartis Institutes for BioMedical Research
Co-Authors: Andrea Pomerantz, Novartis Institutes for BioMedical Research

Tiffany King, 80 ............................ 9:45-10:45 AM
Presentation Title: Analysis of Proton Transport in [Fe-Fe] Hydrogenase Through an Activated Secondary Water Channel
Research Mentor: Aaron Dinner
Research Institution: University of Chicago
Home Institution: University of North Carolina Chapel Hill
Co-Authors: Martin McCullagh, Aaron Dinner and Greg Voth, University of Chicago

Wilhemina Koomson, 52 .................. 9:45-10:45 AM
Presentation Title: The Role of Microtubule Regulation During Synaptic Development
Research Mentor: Jennifer Long
Research Institution: Harvard University, Division of Medical Sciences
Home Institution: Princeton University
Co-Authors: Jennifer B. Long and David Van Vactor, Harvard Medical School, Dept. of Cell Biology
Mark Lampert, 53 ........................ 8:45-9:45 AM
Presentation Title: Cystic Fibrosis Cell Proliferation Rates
Research Mentor: Stefan Worgall
Research Institution: Weill Cornell Graduate School
Home Institution: Ohio State University
Co-Authors: Stefan Worgall, Weill Cornell Graduate School of Medical Sciences

Oluwabusayo Lana, 22 ...................... 9:45-10:45 AM
Presentation Title: Traumatic Brain Injury: Quantifying Atrophy of the Hippocampus and the Cortex
Research Mentor: Coleen Atkins
Research Institution: University of Miami
Home Institution: University of Maryland, Baltimore County
Co-Authors: Coleen Atkins and David Adaikkalasamy, University of Miami

Kayla Lapier, 23 ............................. 8:45-9:45 AM
Presentation Title: The Expression of Aquaporin 3b During Nervous System Development in Embryos of Xenopus laevis
Research Mentor: Christa Merzdorf
Research Institution: Montana State University -Bozeman
Home Institution: Montana State University -Bozeman
Co-Authors: Christa Merzdorf, Montana State University

Jessica Manfredi, 97 ........................ 8:45-9:45 AM
Presentation Title: This Is Us: Teaching High School Students to Conduct Research in Their Communities
Research Mentor: Kimberley Wilson
Research Institution: Tufts University
Home Institution: University of Washington
Co-Authors: Aasha Jackson and Kimberly Wilson, Tufts University

Sarah Manmiller, 54 ....................... 9:45-10:45 AM
Presentation Title: Determining the Significance of Trim28 for Twist1-induced Epithelial-mesenchymal Transition
Research Mentor: Phuoc Tran
Research Institution: Johns Hopkins University
Home Institution: York College of Pennsylvania
Co-Authors: Phuoc Tran, Sivarajan Chettiar and Anvesh Annadanam, Johns Hopkins University

Sara Marin, 55 ............................ 8:45-9:45 AM
Presentation Title: Gene Mutations Associated With Familial Acute Myeloid Leukemia
Research Mentor: Lucy Godley
Research Institution: University of Chicago
Home Institution: University of Miami
Co-Authors: Lucy Godley, University of Chicago

William Marrero-Ortiz, 81 ............... 8:45-9:45 AM
Presentation Title: Synthesis of a Stereoselective and Functionalized All-Hydrocarbon Stapled Peptide Olefin
Research Mentor: Loren Walensky
Research Institution: Harvard University, Division of Medical Sciences
Home Institution: UPR-Rio Piedras
Co-Authors: Loren D. Walensky, Harvard Medical School, Dana Farber Cancer Institute; Gregory H. Bird, Dana Farber Cancer Institute

Eileen Martinez, 56 ....................... 9:45-10:45 AM
Presentation Title: Inter-Bacterial Interactions With Pseudomonas Aeruginosa and the Role of oprF in Host Phagocyte Association
Research Mentor: Brent Berwin
Research Institution: Dartmouth College
Home Institution: Texas A&M International University
Co-Authors: Brent Berwin and Rustin Lovewell, Dartmouth College

Maria Martinez, 105 ...................... 8:45-9:45 AM
Presentation Title: Position Dependency in Object Recognition
Research Mentor: George Alvarez
Research Institution: Harvard University
Home Institution: Barry University
Co-Authors: George Alvarez, Harvard University, Dept. of Psychology

Micah Melia, 98 ........................... 9:45-10:45 AM
Presentation Title: Do State Standardized Graduation Requirements Improve Minority Student Outcomes?: The Case of the Michigan Merit Curriculum
Research Mentor: Daniel Player
Research Institution: University of Virginia School of Education
Home Institution: University of Kansas
Co-Authors: Melinda Adnot, Daniel Player and, University of Virginia - Education Science

Peter Mercado-Reyes, 57 ............... 8:45-9:45 AM
Presentation Title: Study on the Long-term Effects of Antipsychotics: The Impact of Sustained D2 Neuron Activity on Motor Learning and Motor Performance
Research Mentor: Chris Moore
Research Institution: Brown University
Home Institution: Purdue University
Co-Authors: Nathan Vierling-Claassen, Kevin Bath and Christopher Moore, Brown University
Danielle Miyagishima, 25................ 8:45-9:45 AM
Presentation Title: Effects of Camptothecin on Survivability of Dorsal Root Ganglion
Research Mentor: Yung-Chih Cheng
Research Institution: Harvard University, Division of Medical Sciences
Home Institution: New Mexico State University
Co-Authors: Yung-Chih Cheng and Clifford Woolf, Harvard Medical School, Children's Hospital

Javier Morales-Gonzalez, 58 ............ 9:45-10:45 AM
Presentation Title: Is mTOR Steady State PI3K Dependent?
Research Mentor: Cesario Bianchi
Research Institution: Brown University
Home Institution: UPR-Rio Piedras
Co-Authors: Cesario Bianchi, Brown University

Ilkania Paulino Cenit, 26.......... 9:45-10:45 AM
Presentation Title: Evaluation of IRGM Gene Expression and Reference Genes in Epstein-Barr Virus-Transformed Lymphoblastoid Cell Lines
Research Mentor: Steven Brant
Research Institution: Johns Hopkins University
Home Institution: Brown University
Co-Authors: Steven Brant, Yuqiong Wu and Lisa Datta, Johns Hopkins University

Pedro Perez, 27 ..................... 8:45-9:45 AM
Presentation Title: Identification of Novel Survival of Motor Neuron Protein Stabilizers
Research Institution: Novartis Institutes for BioMedical Research
Co-Authors: Youngah Shin, Marc Hild and Rajeev Sivasankaran, Novatis Institutes for BioMedical Research

Saige Pompura, 59 ................... 8:45-9:45 AM
Presentation Title: Characterizing the Caenorhabditis elegans Systemic RNAi Protein SID-2
Research Mentor: Craig Hunter
Research Institution: Harvard University
Home Institution: UC Riverside
Co-Authors: Lisa Yao, Phil Shiu and Craig Hunter, Harvard University, Dept. of Molecular and Cellular Biology

Aranza Portugal Leon, 24.............. 9:45-10:45 AM
Presentation Title: The Effects of a Nutrition Education Program on Nutrition Knowledge, Attitudes, and Behaviors Among Elementary School Children in New York City
Research Mentor: Kristin Mmari
Research Institution: Johns Hopkins University, Brooklyn College CUNY
Co-Authors: Kristin Mmari and Beth Marshall, Johns Hopkins University

Victoria Quinones, 99............... 8:45-9:45 AM
Presentation Title: Understanding the Pathway to Suicide: The Role of Planning for Suicide
Research Mentor: Matthew Nock
Research Institution: Harvard University
Home Institution: Hunter College
Co-Authors: Matthew K. Nock and Alexander J. Millner, Harvard University, Dept. of Psychology

Monica Quinones-Frias, 60......... 9:45-10:45 AM
Presentation Title: Investigation of the Mechanism of Gamma-Secretase C-terminal Trimming of Amyloid Beta
Research Mentor: Michael Wolfe
Research Institution: Harvard University, Division of Medical Sciences
Home Institution: UPR-Rio Piedras
Co-Authors: Marty Fernandez, Harvard Medical School, Biological and Biomedical Sciences Program; Michael Wolfe, Harvard Medical School, Brigham and Women's Hospital

Eshaan Rao, 28..................... 9:45-10:45 AM
Presentation Title: Smoothened Inhibitor, LDE225, Induces Apoptosis in Medulloblastoma Cells Through Activation of the Intrinsic Apoptotic Pathway
Research Mentor: Kat Pak
Research Institution: Harvard University, Division of Medical Sciences
Home Institution: University of Minnesota-Twin Cities
Co-Authors: Kat Pak, Harvard Medical School, Biological and Biomedical Sciences Program; Rosalind Segal, Harvard Medical School, Dana Farber Cancer Institute
Cultivating Excellence and Empowering Great Minds

Vani Ravichandran, 61 .......................... 8:45-9:45 AM
Presentation Title: Overexpress Yourself: It's Good For The Heart!
Research Mentor: Ruhul Abid
Research Institution: Brown University
Home Institution: University of Maryland, Baltimore County
Co-Authors: Ruhul Abid and Ehtesham Shafique, Brown University

Valeria Reyes Ruiz, 62......................... 9:45-10:45 AM
Presentation Title: Investigating the Role of AHNAK and Sfpq Host Cell Receptors for Listeria Monocytogenes Invasion
Research Mentor: Darren Higgins
Research Institution: Harvard University, Division of Medical Sciences
Home Institution: UPR-Humacao
Co-Authors: Elizabeth M. Halvorsen and Darren E. Higgins, Harvard Medical School, Dept. of Microbiology and Immunobiology

Sasha Rivers, 74............................... 9:45-10:45 AM
Presentation Title: Soil Ecology of the American Prairie Reserve
Research Mentor: Stephanie Ewing
Research Institution: Montana State University - Bozeman
Home Institution: Salish Kootenai College
Co-Authors: Stephanie Ewing, Montana State University

Gaddiel Rodriguez, 63....................... 8:45-9:45 AM
Presentation Title: A High Throughput Assay for SAMHD1 Activity
Research Mentor: James Stivers
Research Institution: Johns Hopkins University
Home Institution: Hunter College
Co-Authors: James T. Stivers, Johns Hopkins University

Andres Rosario, 29............................ 8:45-9:45 AM
Presentation Title: Breast Cancer Specimen Imaging to Detect Residual Cancer During Surgery
Research Mentor: Brian Pogue
Research Institution: Dartmouth College
Home Institution: UPR-Bayamon
Co-Authors: Brian Pogue, Venkataramanan Krishnaswamy and David McClatchy III, Dartmouth College

Lloydine Runsabove, 64..................... 9:45-10:45 AM
Presentation Title: Characterization of Nitrogen Fixing Cyanobacteria for Organic Bio-fertilizer
Research Mentor: Rich Macur
Research Institution: Montana State University - Bozeman
Home Institution: Chief Dull Knife College
Co-Authors: Rich Macur, Jeffrey Brown and Lisa Weeks, Montana State University

Tanisha Saini, 65.............................. 8:45-9:45 AM
Presentation Title: Testing the Contribution of Chromosome Anchoring to Efficient DNA Transport During Sporulation in Bacillus Subtilis
Research Mentor: Brianna Burton
Research Institution: Harvard University
Home Institution: San Francisco State University
Co-Authors: Marina Besprozvannaya and Briana Burton, Harvard University, Dept. of Molecular and Cellular Biology

Elisa Sanchez, 66............................. 9:45-10:45 AM
Presentation Title: Regulation of ERRA by the Molecular Motor Protein KIF17
Research Mentor: Geri Kreitzer
Research Institution: Weill Cornell Graduate School
Home Institution: New Mexico State University
Co-Authors: Geri Kreitzer and Pramodh Seneviratne, Weill Cornell Graduate School of Medical Sciences

Caio Santos Rodrigues, 100................ 9:45-10:45 AM
Presentation Title: Tindividual differences in intentionality judgments for victims differing in social status
Research Mentor: Jasmin Cloutier
Research Institution: University of Chicago
Home Institution: Dickinson College
Co-Authors: Jasmin Cloutier and Carlos Cardenas-Iniguez, University of Chicago

Mary Soliman, 67............................ 8:45-9:45 AM
Presentation Title: Development of a Comprehensive Approach to Maldi Imaging
Research Mentor: David Graham
Research Institution: Johns Hopkins University
Home Institution: UC Irvine
Co-Authors: David Graham and David Colquhoun, Johns Hopkins University
Darius Stanton, 75 .......................... 8:45-9:45 AM
Presentation Title: Pelagic Microbial Community Structure Along an Estuarine Gradient in Narragansett Bay
Research Mentor: Jeremy Rich
Research Institution: Brown University
Home Institution: Claflin University
Co-Authors: Catherine M. Luria, Jeremy Rich and Heather Leslie, Brown University

Alexis Staver, 101 .......................... 8:45-9:45 AM
Presentation Title: The Relation Between Child Maltreatment and Socioemotional Development of Children in the First Two Years of Their Life
Research Mentor: Ann Easterbrooks
Research Institution: Tufts University
Home Institution: San Jose State University
Co-Authors: Ann Easterbrooks and Rachel Katz, Tufts University

Raiha Tahir, 68 ............................. 9:45-10:45 AM
Presentation Title: Investigation of Protein-Protein Interactions Within the Yeast Histone Acetyltransferase Complex NuA3
Research Mentor: Sean Taverna
Research Institution: Johns Hopkins University
Home Institution: Virginia Commonwealth University
Co-Authors: Tonya Gilbert and Sean Taverna, Johns Hopkins University

Josh Taylor, 82 ............................. 9:45-10:45 AM
Presentation Title: Providing Safe and Reliable Interfacing from Vehicle-to-Vehicle Using W.A.V.E.
Research Mentor: Quin Yang
Research Institution: Montana State University - Bozeman
Home Institution: Montana State University - Bozeman
Co-Authors: Quin Yang, Tuan Le and Megan Combs, Montana State University

Krystal Thomas, 102 ....................... 9:45-10:45 AM
Presentation Title: Unpacking the Black Box of Coaching Conferences: The Link Between Teacher and Classroom Characteristics and Coaches’ Approach to Feedback
Research Mentor: Jason Downer
Research Institution: University of Virginia School of Education
Home Institution: Virginia State University
Co-Authors: Sadie Hasbrouck and Jason Downer, University of Virginia - Education Sciences

Meaghan Valliere, 69 ...................... 8:45-9:45 AM
Presentation Title: Purification of the Native Orphan Response Regulator, HP 1043, From Helicobacter pylori
Research Mentor: Paul Hoffman
Research Institution: University of Virginia School of Medicine
Home Institution: UMass Amherst
Co-Authors: Igor Olekhnovich and Paul Hoffman, University of Virginia - BioMedical Sciences

Marcus Vandall, 30 ....................... 9:45-10:45 AM
Presentation Title: Purification of Escherichia coli Cascade
Research Mentor: Blake Wiedenheft
Research Institution: Montana State University - Bozeman
Home Institution: Fort Belknap College
Co-Authors: Blake Wiedenheft and Sarah Golden, Montana State University

Kadar Vannoy, 31 ......................... 8:45-9:45 AM
Presentation Title: An Analysis to Determine Association of Deimination With Aging
Research Mentor: Sanjoy Bhattacharya
Research Institution: University of Miami
Home Institution: Morehouse College
Co-Authors: Sanjoy Bhattacharya, University of Miami; Sharon Peng, Gulliver Prep; Elisa Cristino, MAST Homestead Campus

Sahim Wallace, 32 ....................... 9:45-10:45 AM
Presentation Title: Development of a Cell Based Assay for Characterizing Clostridium novyi Induced Inflammation in Mice
Research Mentor: Kenneth Kinzler
Research Institution: Johns Hopkins University
Home Institution: Morehouse College
Co-Authors: Shibin Zhou, Zhaobo Li and Antonio Kim, Johns Hopkins University

Tre Wells, 83 ............................... 8:45-9:45 AM
Presentation Title: Data Envelopment Analysis and Its Application to Public School Systems
Research Mentor: William Massey
Research Institution: Princeton University
Home Institution: Morehouse College
Co-Authors: William Massey, Princeton University
Raymond White, 33 .............................. 8:45-9:45 AM
Presentation Title: Multilocus Variable Number Tandem Repeat Analysis (MLVA) of Extended Spectrum Beta-Lactamase (ESBL)-producing Strains of Klebsiella Pneumoniae
Research Mentor: Seth Walk
Research Institution: Montana State University - Bozeman
Home Institution: Montana State University - Bozeman
Co-Authors: Seth Walk and Susan Broadaway, Montana State University

Jeremiah Williams, 103 ....................... 8:45-9:45 AM
Presentation Title: Position Dependence of Human Visual Object Recognition
Research Mentor: George Alvarez
Research Institution: Harvard University
Home Institution: University of Colorado at Denver
Co-Authors: George Alvarez, Harvard University, Dept. of Psychology

Lindsey Wirsing, 70 ............................. 9:45-10:45 AM
Presentation Title: Gene Expression Analysis of the Human IL1RN Gene Using Real-Time PCR
Research Mentor: Liyong Wang
Research Institution: University of Miami
Home Institution: University of New Haven
Co-Authors: Liyong Wang and Stephanie Page, University of Miami

Aspen Yoo, 104 ................................. 9:45-10:45 AM
Presentation Title: Investigating Orientation Invariance in Visual Object Recognition
Research Mentor: George Alvarez
Research Institution: Harvard University
Home Institution: CSU Fullerton
Co-Authors: George Alvarez, Harvard University, Dept. of Psychology

Theodore Zaki, 71 .............................. 8:45-9:45 AM
Presentation Title: Optimization of RNA Extraction and Purification Protocols from Small Cell Samples
Research Mentor: Sandeep Datta
Research Institution: Harvard University, Division of Medical Sciences
Home Institution: UC Irvine
Co-Authors: Taralyn Tan, Harvard Medical School, Program in Neuroscience; Sandeep Robert Datta, Harvard Medical School, Dept. of Neurobiology
The Leadership Alliance congratulates the following doctoral scholars who have recently completed their PhDs or MD-PhDs. These doctoral scholars bring the total number of Leadership Alliance doctoral scholars to 276.

- **Ugochi Acholonu, PhD**
  BS, 2003, Stanford University;
  PhD, 2013, Stanford University

- **Gladys Arzola-Colon, PhD**
  BS, 1999, UPR-Rio Piedras;
  PhD, 2009, Palo Alto University

- **Amalia Avila Figueroa, PhD**
  BS, 2007, UPR-Rio Piedras;
  PhD, 2012, Brown University

- **Jacqueline Baca, PhD**
  BS, 2001, University of Arizona;
  PhD, 2012, University of Wisconsin Madison

- **Danielle Brown, PhD**
  BS, 2001, Cornell University;
  PhD, 2011, UC Davis

- **LaNissa Brown-Baker, PhD**
  BS, 2000, Alabama State University;
  PhD, 2006, Meharry Medical College

- **La Marr Bruce, PhD**
  BA, 2003, Columbia University;
  PhD, 2013, Yale University

- **Elvin Thomaseo Burton, PhD**
  BS, 2003, Jackson State University;
  PhD, 2011, Purdue University

- **David Charlot, PhD**
  BS, 2004, Delaware State University;
  PhD, 2010, UC San Diego

- **Miguel Chavez, PhD**
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Who's Who at the Symposium

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S. Tyrone Barksdale is a higher education administrator, cancer clinician, professional broadcaster, health policy analyst, motivational speaker and corporate trainer. He presently serves as the Leadership Alliance Summer Program Coordinator for Howard University. He received undergraduate and graduate degrees from Howard University in 1980 and 1983 respectively. Prior to joining the Office of the Provost and Chief Academic Officer in 2000, Mr. Barksdale was assistant professor and program director for the Health Management Program in the College of Pharmacy, Nursing and Allied Health Sciences where he specialized in healthcare administration and managed care policy. Mr. Barksdale aka “Tyrone Stanley,” is presently a producer/host and on-air personality for WHUR-FM, Washington, DC where he began his broadcast career more than 30 years ago hosting the Quiet Strom among the stations many programs. He has appeared on numerous other programs on stations such as Sirius/XM and WHUR-FM. Mr. Barksdale serves on boards of directors of several non-profit organizations in the metropolitan Washington Area and has been the recipient of numerous awards and citations from various civic and professional associations.

Erika Barr
National Institutes of Health

Dr. Barr, a native of North Carolina, received her Bachelors and Masters of Science degrees in Biology from North Carolina Agricultural & Technical State University. Following, her undergraduate studies, she taught 6th grade science for the N.C. public school system. In addition to teaching, she served as an assistant coordinator for the Greensboro Area Math and Science Education Center (GAMSEC). The purpose of GAMSEC was to improve the math and science skills of middle and high school students from underrepresented backgrounds. Moreover, there was an emphasis in encouraging the students to pursue an undergraduate degree in a STEM discipline. After receiving her PhD in Biology, Erika completed two postdoctoral fellowships at the Medical Research Council-London School of Hygiene and Tropical Disease in The Gambia, West Africa and at the National Institutes on Aging in Baltimore, MD. Currently, Dr. Barr is the co-director for the Community College Summer Enrichment Program in the Office of Intramural Training & Education. Dr. Barr has a passion for increasing the number of underrepresented individuals in the biomedical sciences.

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.

Jabbar R. Bennett, Ph.D.
Brown University

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

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

Travis Boyce  
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Dr. Travis Boyce (2001 Yale University SR-EIP fellow) is an Assistant Professor of Africana Studies and Social Sciences. He holds a B.A. in History (2002) from Claflin University, a M.A. in History (2004) and a Ph.D in Cultural Studies (2009) from Ohio University. Dr. Boyce's area of expertise is in the history of education; particularly, college presidents at Historically Black Colleges and Universities (HBCUs) during the mid-twentieth century. He has articles published in the Journal of Pan African Studies, Journal of African American Males in Education and the African American National Biography. He has reviewed books for the Journal of Negro Education and The South Carolina Historical Magazine and contributed chapters to edited books. In addition to his instructional and professional activities, Dr. Boyce serves as the vice-chair of the Liberal Arts Council, the co-editor for UNC's Undergraduate Research Journal (URJ), co-advisor to the Mortar Board Collegiate Honor Society, advisor to the Future Secondary Educators Alliance, and a Faculty in Residence (South Hall – 2013/14 academic year) for Housing and Residential Education.

Tashalee Brown  
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Tashalee Brown is currently a 5th year MD/PhD student at Weill Cornell/Rockefeller/Sloan-Kettering Tri-Institutional MD/PhD Program. She earned her BS in Biomedical Engineering at Johns Hopkins University. After graduation, she performed laboratory research at the National Institute on Aging. Her work has resulted in co-authorship of several papers published in scientific journals, including Circulation Research. Tashalee is currently pursuing her PhD in the Christini lab in the Department of Physiology, Biophysics & Systems Biology at Weill Cornell Graduate School of Medical Sciences. Her doctoral research focuses on investigating arrhythmia mechanisms in cardiac disease using computational modeling and experimental electrophysiology. She is an alumni of the Tri-Institutional Gateway's to the Laboratory program and has served on its admissions committee and as a student mentor.

La Marr Jurelle Bruce  
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La Marr Jurelle Bruce earned his B.A. (2003, *cum laude*) in African-American Studies and English from Columbia University and his Ph.D. (2013) in African-American Studies and American Studies from Yale University. His dissertation—now a budding book project—examines how “madness” has been ascribed to Afrodiapsporic peoples by Eurocentric and white supremacist regimes across modernity. Furthermore, the project explores how twentieth- and twenty-first-century African-American artists have generated, claimed, and instrumentalized “madness” for radical creativity. He has received grants and honors from the Beinecke Rare Book and Manuscript Library at Yale University; the Carter G. Woodson Institute at the University of Virginia; the Fund for Lesbian and Gay Studies at Yale University; the Mellon Foundation; the Social Science Research Council; and the Text and Academic Authors Association. Among his hobbies are time travel, nature documentaries, cool-posing, hand-washing, and self-parody.
Don Brunson, PhD  
*Vanderbilt University*

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

Brooke Bruthers  
*American Physiological Society*

Brooke Bruthers is Senior Program Manager, Diversity Programs at the American Physiological Society. Her main responsibilities include developing, organizing, and implementing education projects and programs aimed at promoting diversity and career advancement among physiologists from underrepresented groups. This includes several undergraduate summer research fellowship programs (STEP–UP, STRIDE, and IOSP), Minority Travel Fellowship Awards, Steven M. Horvath Professional Opportunity Awards, Porter Physiology Development Fellowship program, and the K–12 Minority Outreach Fellowship program. She works extensively with both the Porter Physiology Development and Minority Affairs and the Women in Physiology Committees on these projects and regularly attends meetings and conferences to give presentations about these programs. In addition, she serves as the Chair of the Staff Recognition Committee. Ms. Bruthers received her B.A. degree in Liberal Arts from West Virginia University.

Chris Cash  
*Institute for Broadening Participation*

Chris is the Director of Student Assistance Programs for IBP. Chris identifies and assists promising students in locating and applying to undergraduate summer research and graduate programs at colleges and universities throughout the United States. She has worked for the last several years in the area of marine fisheries education and outreach. She was formerly a marine officer and fellowship coordinator at the Island Institute, a non-profit educational organization located in mid-coast Maine. Chris continues to stay involved with Maine marine projects and initiatives.

Roger Chalkley  
*Vanderbilt University*

Roger Chalkley has had an extensive career engaged in both teaching and research. The research was directed towards the issues of gene regulation in different tissues. His group was the first to outline the kinetics of histone modifications, to correctly identify the process of histone distribution at replication and to outline the formaldehyde cross-linking now used extensively in CHIP assays. Chalkley was responsible for designing the Vanderbilt IGP, which has served as a model for many other institutions. In his role as Director of the IGP (1992-2001), he created the Vanderbilt graduate diversity program, which has now led to the awarding of its 50th PhD in biomedical research at this institution. Chalkley has been a senior advisor to the Vanderbilt Bridges program and has served as an advisor to MARC related programs at Arizona State University, Tougaloo College and Savannah State College. He has been director of the Vanderbilt IMSD which has trained over 70 URM students of which >80% have received the PhD or are currently in graduate programs. Over the years, Chalkley has continued his interest in innovative approaches to graduate education both at Vanderbilt and nationally. He was chair of the NRC Workforce Committee on Biomedical Training in 2010.
Mary Crowe
*Florida Southern College*

Dr. Mary Crowe is the Associate Provost of Experiential Education at Florida Southern College and the 2012-2013 President of the Council on Undergraduate Research (www.cur.org). Over the course of her career, she has been an ardent supporter of undergraduate research. As a faculty member, she mentored students in her research programs investigating the burrowing behavior of dung beetles and of fiddler and ghost crabs, co-authoring multiple peer reviewed manuscripts with her students. As an administrator at Florida Southern College, the University of North Carolina at Greensboro and at Xavier University of Louisiana she has worked to implement funding, policies and procedures to remove hurdles for faculty- across all disciplines- to engage undergraduate students in their work. She has received extensive external support for undergraduate research training and broadening participation of under-representative groups in science and mathematical fields.

Jewell Debnam
*Michigan State University*

Jewell Debnam is currently a Doctoral Candidate in the Department of History at Michigan State University. She is a Third Year Graduate Student at Michigan State University and received her B.A. in African American and African Studies and History from the University of Virginia in 2010. Her research fields include United States History since 1865, Labor and Working Class History, African American and African Studies. Debnam has received several fellowships, honors, and awards such as the Madison A. Kuhn Award for United States History from the Department of History at Michigan State University (2011-2012), the Harry A. Brown Graduate Fellowship in American History from the Department of History at Michigan State University (2013) Her professional affiliations include the Association for the Study of African American Life and History, American Historical Association. She is a historian of twentieth century United States History, Labor and Working Class History, and African American History. Debnam’s current research focuses on the intersections of workers’ rights and resistance, the modern Civil Rights Movement, the Black Power Movement, and black women’s activism.

Arnaldo Diaz
*University of Pennsylvania*

Arnaldo Diaz is an Adjunct Assistant Professor in the Department of Pharmacology and the Associate Director of Recruitment and Special Programs at the Perelman School of Medicine, Biomedical Graduate Studies (BGS). Dr. Diaz works collaboratively with the Associate Dean, Administrative Director, and program faculty to develop and implement targeted outreach and recruitment strategies aimed at increasing the total number of students from under-represented backgrounds pursuing PhDs in biomedical graduate programs. Dr. Diaz also co-directs the Summer Undergraduate Internship Program (SUIP) and the Post-Baccalaureate Research Education Program (PennPREP), and is a member of the PhD Admissions Committee. Dr. Diaz received his B.S. degree in Chemistry from the University of Puerto Rico and Ph.D. degree in Biochemistry and Biophysics from Texas A&M University, and was a NIH Postdoctoral Fellow in Cancer Pharmacology at the University of Pennsylvania.

Lloyd E. Douglas
*The University of North Carolina at Greensboro*

Lloyd E. Douglas is the Associate Director of the Office of Contracts and Grants at the University of North Carolina at Greensboro (UNCG). Prior to coming to UNCG, he was the Assistant to the Vice President for Research at the University of Nevada, Reno, after a long career as a Federal employee. Although that career carried him through different disciplines, it began and ended with his being a mathematician, with the Naval Underwater Systems Center and the National Science Foundation, respectively. Lloyd has a passion for enabling undergraduate research and was instrumental in expanding those opportunities when handling the REU program in the mathematical sciences. He currently serves as First Vice President of the Mathematical Association of America. Lloyd received his B.S. degree in Mathematics from the City College of New York and his M.S. in Mathematics from Miami University.
Andrew Drysdale  
*Weill Cornell/Rockefeller/Sloan-Kettering*  
Andrew Drysdale is a rising 4th-year student in the Tri-Institutional (Weill-Rockefeller-Sloan-Kettering) MD-PhD Program. He is currently completing his PhD in the Sackler Institute of Cornell under the direction of BJ Casey. He studies the development and neuroanatomical basis of impulsivity, focusing on adolescents. He graduated from Pomona College in 2009 and previously worked as a research assistant in molecular biology and cognitive neuroscience laboratories.

Mary Farwell  
*East Carolina University*  
Mary Farwell is Professor of Biology and Director of Undergraduate Research and has carried out research on apoptosis in non-cancer breast cells as well as oxidative stress in fish with Master’s and undergraduate students. She has had grant funding from the NIH-AREA program as well as NC Sea Grant for her research. She was recently awarded an NSF S-STEM grant and is co-PI on a grant for STEM outreach for middle school girls. Professor Farwell teaches cell biology and biochemistry, as well as courses in mentoring (for graduate students) and research (for honors students). She has served on grant review panels for NIH and the American Heart Association. Professor Farwell has served as a Council for Undergraduate Research (CUR) Biology councilor and a facilitator for CUR’s Proposal Writing Institute and Proposal Development Workshops. She received her ScB in Biology from Brown University and PhD in Biochemistry from UC-Berkeley.

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

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

Alyssa Garcia is a Leadership Alliance Alumni from Brown University where she received her Bachelor’s degree in Cross-Cultural Psychology. She earned her Masters and PhD in Anthropology from the University of Illinois, Urbana-Champaign and currently is an Assistant Professor in the Women’s Studies Department at Pennsylvania State University. Her primary research and teaching interests in Latina/o and Latin American/Caribbean Studies include Intersectionality, Critical Race Theory, Feminist Ethnography, Applied Anthropology, and Third Wave Feminism. As a recipient of the Woodrow Wilson Foundation Junior Faculty Career Enhancement Fellowship, she is dedicating this year to editing her manuscript “Moral Discourses, Regulated Bodies: Sex, the State, and Subjectivity in Cuba” which examines the intersections of race, gender, and sexuality in Cuba through a historically grounded ethnographic analysis of discourses of sex-work and the body. Dr. Garcia’s more recent project investigates the secondary migration of the Dominican community in the state of Pennsylvania. Her selected publications include: “Latina Faculty Narratives and the Challenges of Tenure: Identifying Strategies, Institutionalizing Accountability” in *Mentoring Faculty of Color: Achieving Tenure and Promotion at Predominantly White Colleges and Universities; Continuous Moral Economies: The State Regulation of Bodies and Sex-Work in Cuba, Sexualities* (2010); *Situating Race, Navigating Belonging: Mapping Afro-Cuban Identities in the U.S.*, *Latina/o Research Review* (2009); and *Counter-Stories of Race and Gender: Situating the Experiences of Latinas in the Academy*, *Latino Studies Journal* (2005).

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

Leislie Godo-Solo is the Associate Director of the Institute for Recruitment of Teachers (IRT). Ms. Godo-Solo holds a B.A. in Spanish from Cleveland State University and a M.A. degree in Spanish Literature from the University of Rhode Island. In 2007, Ms. Godo-Solo received an Ed.S. degree in Counseling and Student Affairs from Western Kentucky University. Her thesis, “Success Rates of Minority Educator Recruitment and Retention (MERR) Scholarship Recipients and Other Education Majors,” documents the efficacy of the MERR Scholarship Program and the importance of teacher education pipelines. Additionally, Ms. Godo-Solo has nine years of combined experience as a high school Spanish teacher and recruiter of undergraduate teacher education candidates. Currently, as the Associate Director of IRT, Mrs. Godo-Solo plays an integral role in recruiting and counseling talented students who are preparing for graduate school admission. She is deeply passionate about educational access, mentoring, and programs that ensure students’ success in graduate school.

Christine Gonzalez
*Hunter College*

Christine Gonzalez is Associate Program Manager and manages the budget and accounting requirements for Hunter’s biomedical facilities and departments. She has also been Summer Program Coordinator for four years. Ms. Gonzalez received her B.A. degree in Political Science from Queens College and M.S.Ed. degree in Higher Education Administration from Baruch College.
Ruth Gotian  
*Weill Cornell/Rockefeller/Sloan-Kettering*  
Ruth Gotian has been the Administrative Director of the Weill Cornell/Rockefeller/Sloan-Kettering Tri-Institutional MD-PhD Program for nearly 17 years. She has worked with students in the undergraduate, graduate and post graduate levels, as well as faculty and government officials at all levels. She has worked on higher education issues on the local, regional, national and international levels. She received her B.S. and M.S. in Business Management from the University at Stony Brook in New York and is currently pursuing certificates in Executive Leadership and Managing for Execution via Cornell University. Since joining the staff of the Tri-Institutional MD-PhD Program, Mrs. Gotian has seen the size of the program increase by over 40%, the number of applications to their MD-PhD Program has increased by 40% and the number of underrepresented minority students in their program has doubled and is now one of the highest in the country. Mrs. Gotian also oversees the unique summer program for pre-MD-PhD students, Gateways to the Laboratory Program. She is also very active on the national MD-PhD Program scene, as she served on the National MD-PhD Steering Committee of the Association of American Medical Colleges (AAMC) and is on the National MD-PhD Communications Committee.

Dr. Michelle M. Grundy  
*Vanderbilt University*  
Dr. Michelle M. Grundy serves as Assistant Director of the Medical Scientist Training Program (MSTP) and Assistant Director of Graduate Programs in Biomedical Sciences at Vanderbilt University School of Medicine. Dr. Grundy earned her Ph.D. in 2000 from the Department of Microbiology and Immunology at Vanderbilt University. Dr. Grundy is primarily responsible for student recruitment and directing the admissions process for the Ph.D. programs and M.D./Ph.D. Program in the medical school. Dr. Grundy serves as an active member of the MD/Ph.D. admissions committee, serves on the MSTP Leadership Team and in an advisory role for the MSTP Student Advisory Committee (SAC). As an advisor to the MSTP SAC, Dr. Grundy has co-led a subcommittee to evaluate and revise our advising system as well as co-leading a subcommittee to develop programming to assist our students in identifying and securing external funding sources during their graduate studies.

Sonya Gwak  
*University of Pennsylvania*  
Sonya Gwak is the Director for Graduate Admissions and the Director for Student Life for the School of Engineering and Applied Science at the University of Pennsylvania. In her dual capacity, Dr. Gwak oversees student affairs from recruitment to graduation for all graduate students. Dr. Gwak received her B.A. degrees in English and Design of Environment, her M.S.Ed in Intercultural Communication, and Ph.D. in Education all from the University of Pennsylvania.

Louise Hainline  
*Brooklyn College*  
Louise Hainline is Professor of Psychology at Brooklyn College. She is a development and cognitive psychologist with degrees in Psychology from Brown University and Harvard University. She has done research on the development of infant vision in the area of developmental behavioral neuroscience, with a focus on assessment of early visual disorders and studies of the oculomotor system. She served for over a dozen years as Dean for Research and Graduate Studies for Brooklyn College. Her current research interests are on how people learn, particularly in higher education; the effectiveness of different types of STEM pedagogy; and the psychological issues confronted by under-represented students in academic settings. She is currently the PI/PD on several federally-funded programs to help under-represented students pursue research careers in STEM, as well as programs to provide professional development for graduate students and post-doctoral fellows.
Sara Xayarath Hernandez
Cornell University

Sara Xayarath Hernández is the Director of the Diversity Programs in Engineering (DPE) at Cornell University office, which operates programs at the precollege, undergraduate, graduate, and faculty levels to facilitate the outreach, recruitment, retention, and overall success of underrepresented minorities, women, and other underrepresented groups in Engineering. As director of DPE, Hernández provides leadership on diversity initiatives across the college. She also serves as the Co-PI for Cornell’s Alfred P. Sloan Foundation supported Sloan Minority PhD Program and for Cornell’s National Science Foundation supported Louis Stokes Alliance for Minority Participation (LSAMP) and STEM Talent Expansion (STEP) Programs. Additionally, Hernández serves as a Regional Specialist for the Institute for Broadening Participation and supports their outreach work with STEM students. Hernández is a first generation college student and holds a Bachelor of Arts in Zoology from Ohio Wesleyan University and a Master of Regional Planning from Cornell University.

Karen Jackson-Weaver
Princeton University

Dr. Karen Jackson-Weaver is the Associate Dean of Academic Affairs and Diversity at Princeton University’s Graduate School. Prior to her post at Princeton, she served as the Executive Director of the New Jersey Amistad Commission. Dr. Jackson-Weaver’s area of specialization is 20th century African-American history, with a focus on women’s leadership roles in Modern America. She has been a Research Fellow at the Institute for Research in African-American Studies at Columbia University and a faculty member at the Institute of Youth Ministry at Princeton Theological Seminary. Dr. Jackson-Weaver earned her Bachelor of Arts degree from Princeton University, where she majored in American History. Upon graduation from Princeton, Dr. Jackson-Weaver attended Harvard University where she received a Specialized Master's Degree in Education. She holds a Doctorate of Philosophy in American History from Columbia University, where she was a Kluge Scholar Fellow, Merit Dissertation winner and nominee for the university-wide teaching award.

Rebecca Keiser
NASA

As NASA’s associate deputy administrator for strategy & policy, Dr. Rebecca Spyke Keiser reports directly to Deputy Administrator Lori Garver as the primary coordinator for agency-level policy and strategy efforts. She helps implement a wide range of initiatives in support of NASA’s goals, and integrates the efforts of the agency's various strategic planning offices to ensure consistency with the White House and legislative direction, while supervising an analytic staff in the Office of Strategy Formulation. Keiser previously had served as the executive officer for the deputy administrator, chief of staff for the Exploration Systems Mission Directorate at NASA Headquarters and the executive officer for former NASA Deputy Administrator Shana Dale from 2005 to 2008. Keiser has served in NASA’s Office of International and Interagency Relations as the lead for France, Spain, and Portugal, and the human spaceflight lead for Asia. She also was the assistant to the director for International Relations in the Office of Science and Technology Policy. Keiser earned a Bachelor of Arts degree in Japanese Studies from Wellesley College, a Master of Science degree in Politics of the World Economy from the London School of Economics, and a doctorate in International Studies from the University of South Carolina. She has received numerous NASA awards for exceptional service.

Laina King
Keystone Symposia on Molecular and Cellular Biology

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

New York University

Arlene Kohler has been affiliated with the MD PhD Program at New York University for over 37 years. Currently working with her seventh Director of the Medical Scientist Training Program (MSTP), her longevity in the position has earned her the honorific title of "Queen" among administrators and Directors of MST Programs nationwide. While attending evening classes at NYU’s School of Continuing and Professional Studies, Ms. Kohler worked for the MSTP at NYU. She earned her B.A. in American Studies and Literature graduating with honors. Her accumulated wisdom and tireless hard work make her the de facto ombudsman for students, faculty and administrators alike.

Nikia A. Laurie, Ph.D.

Northwestern University Feinberg School of Medicine

Nikia A. Laurie, Ph.D., is an Assistant Professor in the Department of Pediatrics at Northwestern University Feinberg School of Medicine. She is also a member of the Cancer Biology and Epigenomics Program, and founder of the Retinoblastoma Center of Excellence at Lurie Children's Hospital of Chicago Research Center. Dr. Laurie received her Ph.D. at Brown University, and her postdoctoral training at St. Jude Children's Research Hospital. Dr. Laurie’s laboratory studies retinoblastoma, the most common pediatric cancer of the eye. Her laboratory’s mission is to understand the molecular mechanisms associated with retinoblastoma progression for the identification of novel therapeutic targets. Dr. Laurie has published her research in numerous high-impact journals. She is a proud alumnus of the Leadership Alliance, and credits her early research experiences with reinforcing her passion for research.

Caryl McFarlane

Woodrow Wilson National Fellowship Foundation

Dr. Caryl McFarlane is the Senior Program Officer and Director of the Andrew W. Mellon and the Thomas R. Pickering Programs at the Woodrow Wilson National Fellowship Foundation in Princeton, NJ. Before beginning her work at the Foundation, Caryl was involved in numerous activities in the larger Princeton community including teaching 20th Century African Diaspora literature at Princeton Day School, teaching composition and African Diaspora literature at Rutgers University, working as a test writer for ETS, working as a coordinator with Upward Bound, teaching a variety of courses for women in her local community, and recruiting, developing and training teams for work with impoverished youth in the Caribbean. She completed her undergraduate degree at Queens College of the City University of New York (CUNY) and was a recipient of numerous awards and honors including her selection as an awardee for the prestigious Mellon Mays Undergraduate Fellowship (MMUF) and her selection as the commencement speaker. She completed her doctoral studies in 20th Century African Diaspora Literature at Rutgers University (New Brunswick) funded, in part, by a NJ Minority Advancement Award. During her doctoral studies, while teaching courses, she also pursued her love of music and administration in her local church. She continues to be active in her community, serving on various boards, teaching and mentoring women, and continuing to develop teams and curriculum for her work with youth in the Caribbean. She and her spouse, Maurice McFarlane have two boys aged 11 and 14.

Pushpa Murthy

National Science Foundation

Pushpa Murthy is currently working at the National Science Foundation. She is a Program Director for the Graduate Research Fellowship Program. Pushpa got her PhD in chemistry from Brown University in Providence, Rhode Island. After her PhD, she conducted postdoctoral research in neurochemistry at the University of Michigan in Ann Arbor, Michigan before joining the Research and Development Department of Stauffer Chemical Company in Dobbs Ferry, New York. After 2 years of industrial research she realized that her passion was in teaching and fundamental research so she joined Michigan Technological University as an Assistant Professor. She is a Professor of Chemistry at her home institution, Michigan Technological University in Houghton, Michigan. She has taught and conducted research with undergraduate and graduate students for over 20 years. She has mentored over 50 undergraduate students in her laboratory. She has been at NSF for a year.
Michelle Nearon
Yale University

Michelle Nearon is Assistant Dean in the Graduate School and Director of the Office for Diversity and Equal Opportunity. She develops and implements strategic planning specific to the office, thus ensuring quality graduate student support services such as mentoring, advising, and professional development. She also coordinates campus-wide admissions initiatives and directs a summer undergraduate research program. Dr. Nearon serves on the President’s Minority Advisory Council and the President’s Committee on Racial and Ethnic Harassment. Dr. Nearon earned her B.S. and M.S. degrees in aerospace engineering from the Massachusetts Institute of Technology and Brooklyn Polytechnic University, respectively, and a PhD in mechanical engineering from Stony Brook University. Before joining Yale, she was an Assistant Professor in Stony Brook University’s Mechanical Engineering Department while simultaneously serving as Director of Recruitment and Diversification for the College of Engineering and Applied Sciences.

Chinonye Nnakwe
University of Chicago

Chinonye “Chi-Chi” Nnakwe is the Director of Graduate Diversity Recruitment at the University of Chicago. In her position, she collaborates with faculty, students and administrators in all divisions and professional schools to create, enhance, revise and execute a strategy for recruiting students from underrepresented backgrounds. In addition to her outreach work, Dr. Nnakwe is also building curricula and a research agenda that address educational disparities among underrepresented groups in higher education. Dr. Nnakwe received her B. Sc. in Biochemistry with Distinction in the Curriculum from the University of Illinois at Urbana-Champaign and her Ph. D. in Pathology, with a concentration in Cancer Biology and Yeast Genetics from the University of Chicago.

Christine O’Brien
National Academy of Science

Chris O’Brien received her BS degree at St. Joseph’s University and a Master of Arts degree in Education at Villanova University. Chris taught for six years in the parochial school system of the Archdiocese of Philadelphia before working in fellowship program administration at the National Academies in Washington, DC. Chris’ program oversight has included privately and federally funded fellowship programs at the predoctoral, dissertation, and postdoctoral levels. Since 1979, her responsibilities have been primarily in the administration of Ford Foundation Fellowships designed to increase and foster diversity as a teaching tool in higher education. Along with a colleague, Chris created the Fellowship Roundtable in 1995. This biannual meeting brings together fellowship administrators whose goal is to share best practices and discuss innovations in the administration of fellowships. The Fellowship Roundtable is in its 18th year of serving as a resource to fellowship administrators.
Joel Oppenheim
New York University School of Medicine

Dr. Joel D. Oppenheim is a Professor of Microbiology and presently serves as the Senior Associate Dean for Biomedical Sciences and Director of the Sackler Institute of Graduate Biomedical Sciences at NYU School of Medicine. In these positions he oversees all PhD (>320 students) and Postdoctoral (>800) trainees and graduate research training programs. He has served on the NYU School of Medicine’s MD and MD/PhD. Admissions Committees and chairs the Ph.D. Admissions Committee for the past 20 years.

He is the founder and director of the NYU’s Summer Undergraduate Research and Postdoctoral Programs, and the founder of the “What Can You Be With a PhD?” Symposium, the largest university based career development program for predoctoral students and postdoctoral fellows in the country. He has served on many national advisory committees (AAMC, NIH, NRC, NSF, ASM, Leadership Alliance, and UNCF/Merck), grant study sections (NCATS, NIAID, NIGMS, NSF, Sloan Foundation, UNCF/Merck), as a reviewer of numerous NRC, NSF and NAS reports involved with graduate education, pipeline issues and the recruitment and retention of underrepresented students to graduate programs. He also has served (serves) on the external advisory boards and program review boards of a number of state and national accrediting agencies, colleges and universities. Dr. Oppenheim has been an invited speaker to over 70 colleges and universities, at the NRC, NSF and NIH as well as at ABRCMS, Leadership Alliance, McNair, SACNAS and UNCF/Merck national meetings, speaking to students and faculty on topics ranging from how to prepare for and apply to graduate and professional schools, to strategies for the recruitment and retention of students and career options. In 2010, Dr. Oppenheim was the recipient of the AAAS (American Association of the Advancement of Sciences) Life Time Mentoring Award, one of the nation’s highest mentoring awards. Dr. Oppenheim was also one of the founding members of the Leadership Alliance in 1992.

Larry Steven Perry, II
University of Virginia

Larry Steven Perry, II, hails from Timonium, Maryland. Larry is a graduate of Fisk University (B.A. ’07) and Union Theological Seminary in the City of New York (M.Div. ’10), and is currently a PhD student at the University of Virginia in the Religious Studies department with a concentration in American Religious History. More specifically, he focuses on the history of American religious thought and leftist American religious movements. His research attempts to properly place the life and works of, mystic and theologian, Howard Thurman within the streams of American intellectual history. Larry also has taken part in ministry work, he was a chaplain intern at Sing Sing Correctional Facility during his last year at Union Seminary and is currently an associate minister at the Open Church of Maryland in Baltimore.

Kisha Piggott
Washington University

Kisha Piggott is a PGY3 Ophthalmology resident at Washington University School of Medicine. Dr. Piggott received her B.S degree in Biology from Spelman College and her medical degree and Ph.D. degree in Immunology at Emory University School of Medicine, where she studied the mechanisms regulating dysfunctional T cell responses in large vessel vasculitis. She remains committed to the promotion of diversity in the medical profession, through mentorship to medical students with a focus on professional development. As a recipient of the Resident Diversity Initiative Grant, she remains engaged in the provision of culturally relevant, patient-centered care and is an active member of the Barnes-Jewish Hospital Resident Diversity and Fellows Initiative.
Teresa Ramirez  
*Brown University*

Teresa Ramirez is a PhD Candidate in the Molecular Pharmacology, Physiology and Biotechnology Program at Brown University, under the mentorship of Dr. Suzanne de la Monte. She is the founder and past president of the Brown Society for Advancement of Chicanos and Native Americans in Science Chapter, which is dedicated in fostering the success of students in pursuing advance degrees, careers and leadership positions in the sciences. Ms. Ramirez is first generation Mexican-American to have graduated from college and to pursue a doctoral degree. She received her B.S. degree in General Biology from California State University, Dominguez Hills, and did a post-baccalaureate program at the NCI in Frederick, MD. Ms. Ramirez's dissertation focuses on the effects of excessive alcohol consumption and how it plays a role in insulin resistance, lipid accumulation and ER stress in the liver. In 2009, Ms. Ramirez was awarded the Student Role Model Award from the Minority Access, Inc. and a Pre-doctoral Ford Foundation Fellowship.

Nicole Restrick  
*Social Sciences Research Council*

Nicole Restrick is manager of the Fellowships Office and assistant director of the Abe Fellowship Program at the Social Science Research Council. She also leads the AAS-SSRC Dissertation Workshop Series and Korean Studies in North America projects and is a senior advisor to the Drugs, Security and Democracy (DSD) Program. Prior to joining the Council in 2006, Restrick was an international programs officer at Ritsumeikan University in Kyoto, Japan. She has also worked as an editor and designer of K–12 curricula on Japan and East Asia. She received her MA in East Asian studies from Cornell University in 2000 and is fluent in Japanese.

Nancy Schwartz  
*University of Chicago*

Dr. Nancy Schwartz is Associate Dean for Postdoctoral Affairs and Co-director of the Office of Graduate Affairs, having served as Dean for Graduate and Postdoctoral Affairs in the Division of Biological Sciences for more than 25 years. She has served on several NIH study sections, foundation review boards and editorial boards, the AAMC-GREAT Steering Committee, Chair of both Graduate Deans and Postdoc Leaders groups, and the Founding Advisory Board of the NPA. She is director of the Kennedy Research Center, the NICHD M.D./Ph.D. training Program, HHMI Med into Grad Program, and NIGMS Post-bac (PREP). She has had continuous NIH R01 research funding, received both a MERIT award and a Mentor of Excellence from NIH, and is Director of an NIH Program Project and a P30 Center. Dr. Schwartz’s functions and responsibilities in graduate and postdoctoral education and program administration have focused on evolving and complex educational needs of emerging researchers in the life sciences.

Pamela Scott-Johnson  
*Morgan State University*

Pamela E. Scott-Johnson is Chair and Associate Professor in the Department of Psychology at Morgan State University. Dr. Scott-Johnson’s research seeks to examine the gender differences in psychosocial factors that impact health and wellness. She has been an active participant with the American Psychological Association Education and Science Directorates, Project Kaleidoscope/Faculty for the 21st Century, and the Association of Heads of Departments of Psychology (AHDP). She served on a number of review panels within the academic and funding agencies. Prior to her academic affiliations, Dr. Scott-Johnson worked in the food industry as a senior research scientist. Dr. Scott-Johnson held memberships in the Society for Neuroscience, Faculty for Undergraduate Neuroscience (FUN; councilor), the American Psychological Association, and the Association for Chemoreception Sciences (AChemS). She earned a B.A. degree in Psychology and graduated magna cum laude from Spelman College in 1982, and an M.A. and Ph.D. in Psychology and Neuroscience from Princeton University.
Jose A. Solis
Civil Environmental and Architectural Engineering, University of Colorado at Boulder

Jose A. Solis is a PhD candidate starting his 5th year in the Hydrology, Water Resources, and Environmental Fluid Mechanics discipline of the Civil, Environmental, and Architectural Engineering Department at the University of Colorado at Boulder. He earned both his B.S. and M.S. degrees in Civil Engineering at New Mexico State University, where he focused in the water resources program within the department. He was awarded the Bridge to the Doctorate Fellowship which allowed him to fund his M.S. degree. Throughout his higher education journey he has mentored and helped several undergraduate students, through different type of research programs. In his Ph.D. program, he works on a collaborative project with the Kansas Geological Survey (KGS), and the University of Iowa. This project has been funded by National Science Foundation where he has been working to improve the understanding of water uptake by riparian vegetation.

Patrice Spitalnik
Columbia University

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

Brian Sullivan
Washington University in St. Louis

Mr. Sullivan is the Executive Director of the Medical Scientist Training Program at Washington University in St. Louis. He was a founding officer of the MD-PhD Section of the AAMC GREAT Group; he also serves as the Secretary-Treasurer of the National Association of MD-PhD Programs. In 2002, Mr. Sullivan established BioMedRAP, a summer research program for minority and disadvantaged undergraduates. Mr. Sullivan earned a B.A. in Political Science and a M.A. in Spanish Literature from St. Louis University. He also earned a M.B.A. from Washington University in St. Louis.

José-Marc Techner
Northwestern University Feinberg School of Medicine MSTP

José-Marc Techner is transitioning into the graduate Chemistry program after completing his preclinical training. He graduated with a B.S. in Biochemistry and Molecular Biophysics and Molecular and Cellular Biology from the University of Arizona in 2011. As an undergraduate he participated in the 2008 Brown University SR-EIP in the Koren lab studying Long QT syndrome. At the UA, he worked in the Horton lab focusing on studying artificial zinc-finger proteins as a trainee in the NIH Minorities Access to Research Career (MARC) program. He also worked in the Passegue lab studying hematopoiesis as an AMGEN Scholar at the University of California, San Francisco in 2010. His research interests vary but will focus on the field of carbohydrate array development for his Ph.D. with Milan Mrksich. He is also active in the local Physicians for a National Health Program chapter.
Sheila Thomas  
*Harvard University*

Sheila Thomas is a faculty member in the Division of Medical Sciences (DMS) PhD Programs and Department of Medicine at Harvard Medical School and Assistant Dean for Diversity and Minority Affairs for the Graduate School of Arts and Sciences (GSAS). Her research interests are in cancer cell signaling; and she is actively involved in teaching and advising students in the DMS PhD programs and sits on the admissions committees for the life science PhD programs as well as the MD/PhD program.

As Dean, she oversees diversity efforts for Harvard’s 57 PhD programs. She directs the Summer Honors Undergraduate Research Program (SHURP), Summer Research Opportunities at Harvard (SROH) and the Graduate School’s post-baccalaureate program, GSAS Research Scholar Initiative. Dr. Thomas received her BA in Biochemistry and Molecular and Cellular Biology from Northwestern University, her PhD in Molecular Genetics from University of Pennsylvania, and did her post-doctoral training at Fred Hutchinson Cancer Research Center.

Iboro Umana  
*University of Chicago*

Iboro Umana is a third-year MD/PhD candidate at the University of Chicago Pritzker School of Medicine. He graduated magna cum laude from Washington University in St. Louis with a B.A. degree in Philosophy-Neuroscience-Psychology in 2010. Iboro currently works in the lab of Dr. Daniel McGehee. He is studying the role of supraspinal nicotinic acetylcholine receptors in modulation of pain perception in mice. In his free time, he enjoys playing and watching soccer, and being a Chicago foodie.

Eric Villegas  
*University of Cincinnati*

Eric Villegas is a Research Microbiologist with the US Environmental Protection Agency’s Office of Research and Development and an Adjunct Associate Professor with the Department of Biological Sciences at the University of Cincinnati. His research group focuses on developing tools to assess human health risks associated with microbial contamination, like *Cryptosporidium*, *Giardia*, and *Toxoplasma gondii* in our drinking water supplies. Eric received his doctorate in Immunology and Parasitology at the University of Pennsylvania’s Perelman School of Medicine where he studied host immune responses to infection with *Toxoplasma gondii*. He continued his research as a post-doctoral fellow with the Immunology and Pathogenesis Division at University of California Berkeley where he worked on identifying novel genes that regulate host immune responses to cancer and infectious diseases. Eric was also a 1993 LANS doctoral scholar at Yale University.

Aileen Walter  
*National Action Council for Minorities in Engineering*

Aileen Walter serves as vice president of University Programs at the NACME. In this capacity, she manages NACME scholarship programs and scholarship management services. Walter successfully directed NACME’s scholarship efforts (1990-1999), managing the growth of the Corporate Scholars Program and laying the groundwork for our NASA partnership and alumni outreach activities. In 1994, she received an “Outstanding Contribution” award for her work. Walter has more than 20 years of experience in scholarship management, having served as director of financial aid at the Stevens Institute of Technology prior to joining NACME. She is a long-time member of the National Association of Financial Aid Administrators, and has served on the boards of the American Indian Science and Engineering Society, the National Society of Black Engineers and the Society of Hispanic Professional Engineers. Walter holds a B.A. in English Literature from Montclair State College and a M.A. in Higher Education Administration from New York University.
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 William J. Clinton Foundation as a Laboratory Systems Specialist for the HIV/AIDS Initiative. In this capacity, she provided technical assistance and strategic advice on the development of laboratory plans and systems to support national HIV/AIDS prevention care and treatment programs in the Initiative's partner countries in Sub-Saharan Africa. Dr. Ghee joined the Leadership Alliance in 2006 and was appointed the Executive Director of the Leadership Alliance in July 2011. Dr. Ghee also has a Clinical Assistant Professor appointment in Public Health at Brown University and teaches a course that leverages multidisciplinary approaches to support HIV/AIDS care and treatment programs in Sub-Saharan Africa. Actively engaged in research aimed at mentoring and supporting students through critical transitions along the academic pathway, Dr. Ghee has been invited to serve as an external consultant for federal mentoring programs and has given keynote lectures regarding mentoring strategies for graduate students, postdoctoral fellows, faculty members and senior administrators. At Brown, she serves as a mentor for both undergraduates and graduate students. Her mentoring efforts were honored by the Samuel M. Nabrit Black Graduate Student Association with the Ruth J. Simmons Award for Leadership.

Deborah Collins
Associate Director

Dr. Deborah Collins received her Ph.D. in educational research and policy analysis from Virginia Tech in 1984. While at Virginia Tech, she was Co-Director of the Vocational Education Evaluation in Virginia program, as well as the development and funding of two national research projects through the National Center for Research in Vocational Education at UC Berkley/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 for disadvantaged children, especially in urban communities. She came to Brown University from Chaffee & Partners, a public relations and advertising firm in Providence, R.I. Ms. Kahn holds a B.S. in Education from Boston University.

Maria DoVale
Executive Assistant/Project Coordinator

Maria DoVale is the Executive Assistant/Project Coordinator for the Leadership Alliance. In this capacity, Ms. DoVale is responsible for providing administrative support for the executive office to ensure the successful implementation of Alliance programs and activities. She is also the ex officio member of the Symposium Planning Committee. Ms. DoVale comes to us with a wealth of experience in administration, event planning and management augmented with exemplary technical, organizational and customer service skills. Prior to her appointment with the Leadership Alliance, Ms. DoVale worked for 5½ years at the Providence Warwick Convention & Visitors Bureau helping to promote the state of Rhode Island as well as the city of Providence as a convention destination. Prior to this appointment, she worked for American Express corporate travel for eight years. Ms. DoVale holds a B.A. in Travel & Tourism Management from Johnson & Wales University.
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St. Jude Children's Research Hospital is a non-profit biomedical research institution in Memphis, TN, where 190 basic science and clinical researchers investigate the molecular basis of both normal cellular and diseased processes.

St. Jude Children’s Research Hospital congratulates The Leadership Alliance on twenty-one years of success, and Leadership Alliance Alumni for their achievements. St. Jude is proud to recognize those Alumni who have completed, or are currently in Postdoctoral Fellowships at St. Jude:

Candace Carroll, Ph.D., (University of Missouri),
St. Jude Postdoctoral Research Associate, Department of Biochemistry

Denise Davis, Ph.D., (Yale University),
St. Jude Postdoctoral Research Associate, Department of Developmental Neurobiology

Nikia Laurie, Ph.D., (Brown University),
Former St. Jude Postdoctoral Research Associate, currently faculty at Northwestern University

Rachelle Salomon, Ph.D., (Brown University),
Former St. Jude Postdoctoral Research Associate, currently Basic Research and Diagnostics Program Officer, National Institute of Allergy and Infectious Diseases

Aisha Walker, Ph.D., (Medical College of Georgia),
St. Jude Postdoctoral Research Associate, Department of Pharmaceutical Sciences

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The Annual Biomedical Research Conference for Minority Students (ABRCMS) advances undergraduates and postbaccalaureates from underrepresented populations in science, technology, engineering and mathematics (STEM) along the path toward graduate-level training. The conference features scientific sessions, professional development workshops, 1,700 poster and oral presentations, and approximately 300 exhibit booths showcasing summer research opportunities, graduate schools and postdoctoral fellowships.

Call for Abstracts
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- Discount Registration: October 21, 2013

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2012 ABRCMS Scientific Disciplines
1,815 Total Abstracts Submitted
- Social & Behavioral Sciences and Public Health - 164 (9.1%)
- Physiology - 161 (8.7%)
- Neuroscience - 168 (10.4%)
- Molecular and Computational Biology - 113 (6.2%)
- Microbiology - 179 (9.9%)
- Immunoology - 81 (4.4%)
- Biochemistry - 167 (9.2%)
- Cancer Biology - 159 (8.7%)
- Cell Biology - 157 (8.6%)
- Chemistry - 170 (9.4%)
- Developmental Biology and Genetics - 163 (9%)
- Engineering, Physics and Mathematics - 153 (8.4%)

ABRCMS Attendees by Location

www.abrcms.org | abrcms@asmusa.org
The Leadership Alliance National Symposium 2013

Brown University’s Office of Institutional Diversity and the Graduate School CONGRATULATES the Leadership Alliance Consortium on its outstanding support and dedicated commitment to promising scholars across the country.

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Brown University’s Office of Institutional Diversity and the Graduate School CONGRATULATES the Leadership Alliance Consortium on its outstanding support and dedicated commitment to promising scholars across the country.
Welcome to the 2013 Leadership Alliance National Symposium

On behalf of the Leadership Alliance, it gives me great pleasure to welcome you to the 2013 Leadership Alliance National Symposium (LANS)! This event never ceases to inspire as it features the intellectual capacity and fortitude of diverse scholars and researchers from across the country.

The theme of this symposium, Cultivating Great Minds and Inspiring Excellence, conveys the sustained efforts of the Leadership Alliance to prepare the next generation of innovators and critical thinkers to respond to society's most complex challenges. By leveraging your diverse skills and perspectives, we firmly believe that each of you has the potential to develop novel solutions to address climate change, advance national and global health goals, and explore new paradigms that shape our thinking in the humanities and social sciences. The Leadership Alliance is proud to support and nurture your educational and career aspirations.

For more than two decades, the collective efforts of the Leadership Alliance have resulted in the production of more than 300 alumni who have obtained their PhD or MD-PhD degrees, ensured the enrollment of students into competitive graduate training programs and sustained relationships with leaders in academia, the public and private sectors. This extensive and diverse network of role models and mentors is at your disposal to help clarify your academic and career pathways in order to cultivate your intellectual curiosity and inspire and motivate you to new heights. Make the most of LANS, where you have the distinct opportunity to communicate and discuss your ideas in a supportive environment, hone your networking skills and think critically about your future.

As we welcome you to the Leadership Alliance Symposium, I implore you to fully immerse yourself in this exceptional experience and, in so doing, commit yourself to excellence, realize the value of your potential and be the inspiration for the world to emulate!

Have a great symposium!

Greetings and welcome to the 2013 Leadership Alliance National Symposium (LANS)! We hope that this experience will serve as a wonderful capstone to your summer research immersion.

Last year we celebrated our 20th anniversary and reflected upon two decades of supporting research, cultivating scholarship and inspiring academic excellence among some of America's best, brightest and most diverse scholars. This year our goal is to further cultivate magnificent minds and inspire intellectuals for greater distinction.

As always, the LANS Planning Committee worked diligently over the past year to offer you the most engaging, enriching and empowering Symposium possible. Every session was designed with you in mind and our invited speakers came to deliver a message especially for you.

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

This event aims to help the Leadership Alliance achieve its mission and realize its vision of developing underrepresented students into outstanding leaders and role models in academia, business and the public sector. More than ever before, we are tenaciously committed to train, mentor and inspire young, diverse scholars. With 20 years of successful experience to build upon, along with your personal commitment to academic excellence and service, we will continue to affect positive change for many years to come.

Best wishes and make it memorable!

Syposium 2013 Planning Committee

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

Earnestine Baker  Institutional Coordinator  University of Maryland, Baltimore County

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

Florence Kempner  MARC Program Coordinator  Brooklyn College

Patricia Lee-Robinson  Associate Provost and Director of the Office of Student Opportunities  Chaminade University of Honolulu

Barbara Nesmith  Acting Assistant Director GSAS Office of Diversity  Columbia University

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

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

Maria DoVale  Ex Officio Member  Executive Assistant/Project Coordinator  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  Executive Assistant/Project Coordinator

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

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