Creating the New Leadership

The Leadership Alliance is an academic consortium of 33 institutions of higher learning, including leading research and teaching colleges and universities. The mission of the Alliance is to develop underrepresented students into outstanding leaders and role models in academia, business and the public sector.

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Member Institutions

Brooklyn College
Brown University
Chaminade University of Honolulu
Claremont McKenna College
Columbia University
Cornell University
Dartmouth College
Duke University
Dillard University
Harvard University
Howard University
Hunter College
Johns Hopkins University
Kent State University
Morehouse College
Morgan State University
New York University
Prairie View A & M University
Princeton University
Spelman College
Stanford University
Tougaloo College
Tufts University
University of Chicago
University of Colorado at Boulder
University of Maryland, Baltimore County
University of Miami
University of Pennsylvania
University of Puerto Rico
University of Virginia
Vanderbilt University
Xavier University of Louisiana
Yale University
Welcome to the 2009 Leadership Alliance National Symposium!

Each year the Leadership Alliance National Symposium (LANS) highlights one aspect of its overall theme “Taking the Next Step”. Our theme this year, “Creating the New Leadership”, is intended to assist you in realizing your potential as a new cadre of leaders. This aspiration – creating outstanding leaders – is at the core of the mission of the Leadership Alliance, and it is the inspiration we use to create programs that focus on providing the research experiences and intellectual opportunities necessary for the success of our trainees. Our work has begun to reap dividends as increasing numbers of Leadership alumni are taking their rightful places as leaders in the academic, public and private sectors.

The 21st century has provided a clear indication that a new type of leadership is essential. At least three attributes characterize this new leadership style: 1) development of knowledge across boundaries of disciplines and institutions, requiring newer forms of collaboration and participatory research; 2) communication with clarity and purpose to harness the rapid increases in information developed by the global community; and, 3) active engagement of people from a variety of backgrounds and experiences to bring vitality and relevance to the solutions that address the challenges of today.

You will experience a taste of all this at LANS, because with its participating network of trainees, scholars, and administrators, LANS serves the common purpose of promoting your successful next step toward leadership in your chosen profession. LANS will provide the opportunity for additional mentoring in your research endeavors, supportive coaching in your communication skills and a welcome induction into the Leadership Alliance network. Use LANS to clarify your true purpose, synergize your progress and catalyze the inspiration necessary for you to join with our other alumni in your rightful place as a part of the new leadership for the 21st century!

On behalf of the Leadership Alliance National Symposium (LANS) Committee, I am delighted to welcome you to the 2009 Symposium. This year’s theme “Creating the New Leadership” was selected to underscore our hope that the LANS will indeed promote the development of future scholars and leaders in the academy.

A distinct feature of LANS is the integrated approach to providing young scholars with a conducive and welcoming environment to share their research, to network and to find mentors and other resources that will prepare them for successfully entering Ph.D. programs. This year, there are many more opportunities for undergraduates to interact with graduate students, doctoral scholars and faculty and administrators from leading academic institutions across the country. We hope that you will take advantage of these many networking activities.

LANS is unique in bringing together many outstanding students from institutions across the country who conducted research this summer in the humanities, social sciences, life sciences and physical sciences fields. The interdisciplinary nature of this Symposium will hopefully generate stimulating discussions across a broad range of topics. In these challenging times, we are truly gratified that there are so many committed and motivated students who are prepared to take up the hard task of pursuing the research questions of our time through unique and diverse perspectives. The SR-EIP participants inspire all of us and remind us about the importance of creating a community of scholars who can learn and draw lessons from the past but who look forward to the future with optimism and with a genuine desire to make a difference in our ever more global and diverse community.

Congratulations to all of our SR-EIP participants, and we hope you enjoy the 2009 Symposium!
The Leadership Alliance Symposium 2009

CREATING THE NEW LEADERSHIP

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PRESENTATION CATEGORIES KEY

AB  Applied Biosciences (Human Biology & Disease, Public Health, Biomedical Engineering)
BB  Basic Biosciences (Molecular processes and Genetics, Biochemistry)
ES  Earth Sciences (Environment Sciences, Geosciences, Marine Sciences)
EN  Engineering (Mechanical, Electrical & Materials Engineering)
HU  Humanities (Literature, Language Arts, History, Media)
PS  Physical Sciences (Chemistry, Math, Physics, Computer Sciences, Computer Engineering)
PE  Policy & Ethics (Politics, Policy & Legislation, Ethics, Philosophy & Reasoning)
SS  Social Sciences (Sociology, Economics, Psychology, and Behavioral Sciences)
Leadership Alliance National Symposium  
July 24-26, 2009  
Program At-A-Glance

<table>
<thead>
<tr>
<th>Time</th>
<th>General Sessions</th>
<th>Undergraduate Sessions</th>
<th>Graduate Sessions</th>
<th>Coordinators, Mentors &amp; Doctoral Scholars</th>
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</thead>
<tbody>
<tr>
<td>11:00 a.m. - 3:00 p.m.</td>
<td>Registration &amp; Photos</td>
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<tr>
<td>11:00 a.m. - 3:00 p.m.</td>
<td>PowerPoint Prep I</td>
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<td>3:00 p.m. - 5:15 p.m.</td>
<td>Orientation, Networking, and Funding Sessions by Discipline (Refreshments will be served)</td>
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<tr>
<td>5:30 p.m. - 6:45 p.m.</td>
<td>PowerPoint Prep II</td>
<td>Moderators Training 5:45 - 6:30</td>
<td></td>
<td>Doctoral Scholars Career Mentoring 5:45 - 6:45</td>
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<tr>
<td>7:00 p.m. - 8:15 p.m.</td>
<td>Dinner &amp; Opening Remarks</td>
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<tr>
<td>8:15 p.m. - 9:30 p.m.</td>
<td>Alumni Career Panel &amp; Research Presentations</td>
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<tr>
<td>9:30 p.m. - 10:30 p.m.</td>
<td>PowerPoint Prep III</td>
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<td>Reception for Doctoral Scholars, Faculty Mentors, Coordinators, and Graduate Students</td>
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**Day 2 - Student Presentations & Panel Discussions**

<table>
<thead>
<tr>
<th>Time</th>
<th>General Sessions</th>
<th>Undergraduate Sessions</th>
<th>Graduate Sessions</th>
<th>Coordinators, Mentors &amp; Doctoral Scholars</th>
</tr>
</thead>
</table>
| 7:30 a.m. - 8:30 a.m. | Continental Breakfast/Student Posters Setup | Breakfast for Lilly Scholars |                   | Breakfast for Graduate Students and Doctoral Scholars:  
*Everything You Always Wanted to Know But Were Afraid to Ask* |
| 8:45 a.m. - 10:45 a.m. | Student Poster Presentations          |                        |                   |                                          |
| 10:45 a.m. - 11:00 a.m. | Breakdown Posters                    |                        |                   |                                          |
| 11:15 a.m. - 12:45 p.m. | Oral Presentations (Session 1)       |                        |                   |                                          |
| 1:00 p.m. - 2:30 p.m. | Lunch Panels (2):  
*The Graduate School Experience* | Lunch Panel:  
*Lunch Panel: Life After Graduate School* |                   | Lunch Topic Tables for Doctoral Scholars |
| 2:45 p.m. - 4:15 p.m. | Oral Presentations (Session 2)       |                        |                   |                                          |
| 4:15 p.m. - 4:30 p.m. | Break/ Snack                         |                        |                   |                                          |
| 4:30 p.m. - 6:00 p.m. | Oral Presentations (Session 3)       |                        |                   |                                          |
| 6:00 p.m. - 7:00 p.m. | Photos/ Free Time                    |                        |                   |                                          |
| 7:00 p.m. - 8:00 p.m. | Dinner/ Networking Tables with Doctoral Scholars |                        |                   |                                          |
| 8:00 p.m. - 8:45 p.m. | Keynote Speaker: Dr. Marta Tienda   |                        |                   |                                          |
| 9:00 p.m. - 12:00 a.m. | Dance Party                          |                        |                   | Leadership Alliance Community Meeting |

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

<table>
<thead>
<tr>
<th>Time</th>
<th>General Sessions</th>
<th>Undergraduate Sessions</th>
<th>Graduate Sessions</th>
<th>Coordinators, Mentors &amp; Doctoral Scholars</th>
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<tr>
<td>7:30 a.m. - 10:00 a.m.</td>
<td>Exhibitors Set Up for Recruiting</td>
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</table>
| 8:00 a.m. - 9:45 a.m. | Breakfast Panels (4):  
*The Graduate School Application Process* | Breakfast Seminar:  
*Completing Your Dissertation* |                   | Brainstorming Breakfast for Doctoral Scholars and Faculty |
| 10:00 a.m. - 12:00 p.m. | Recruiting Fair                      |                        |                   |                                          |
| 12:00 p.m. - 12:30 p.m. | Surveys                              |                        |                   |                                          |
| 12:30 p.m. - 1:00 p.m. | Closing Remarks/ Adjourn             |                        |                   |                                          |
Leadership Alliance National Symposium Agenda 2009

Friday, July 24

Leadership Alliance Conference Registration ................................................................. 11:00am - 3:00pm
Lower Rotunda

PowerPoint Preparation I ...................................................................................................... 11:00am - 3:00pm
Lincoln Forum

Professional Headshots ........................................................................................................ 11:00am - 3:00pm
Lower Rotunda

Receptions by Discipline ...................................................................................................... 1:00pm - 3:00pm
Washingtonian Ballroom—Biosciences
Jeffersonian I-II-III-IV—Social Sciences & Humanities
Jeffersonian V-VI—Engineering & Physical Sciences

Orientation/Networking/Funding Sessions by Discipline ................................................. 3:00pm - 5:15pm
Washingtonian Ballroom—Biosciences
Moderators: Joel Oppenheim, Senior Associate Dean for Biomedical Sciences, New York University School of Medicine; Jocelyn Spragg, Faculty Director, Diversity Programs, Division of Medical Sciences
Funding Panel:
• Jerry Bryant, Director of Science Education Initiatives for the United Negro College Fund, Inc., and the UNCF/Merck Science Initiative
• Tiffany Fonseca, Fellowship Programs Coordinator in the Education Department of the American Society for Microbiology
• Darryl Murray, Director of the NIH Undergraduate Scholarship Program

Jeffersonian I-II-III-IV—Social Sciences & Humanities
Moderators: Kenneth Warren, Deputy Provost for Research and Minority Issues, University of Chicago; Karen Jackson-Weaver, Associate Dean of Academic Affairs and Diversity, Princeton University
Funding Panel:
• Tiffany Joseph, Sociology Doctoral Candidate, University of Michigan
• Margaret Petrochenkov, National Academy of Sciences
• Leislie Godo-Solo, Associate Director, Institute for the Recruitment of Teachers

Jeffersonian V-VI—Engineering & Physical Sciences
Moderators: Michelle Nearon, Assistant Dean and Director, Office for Diversity & Equal Opportunity, Yale University; Jerainne Johnson, Guest Researcher at the National Institute of Standards and Technology
Funding Panel:
• Gerald Hammond, Program Director, National Science Foundation, Chemistry Division
• Michele Lezama, Executive Director, The National Graduate Degrees for Minorities in Engineering and Science (GEM) Consortium
• Susie Valaitis, Associate Director, Institute for Broadening Participation
• Aileen Walter, Vice President, University Programs at the National Action Council for Minorities in Engineering

PowerPoint Preparation II ................................................................................................... 5:30pm - 6:45pm
Lincoln Forum

Moderators Training ......................................................................................................... 5:45pm - 6:30pm
Jeffersonian V-VI
Personalized Career Mentoring for Doctoral Scholars .................................................. 5:45pm - 6:45pm
Washingtonian II

Dinner ........................................................................................................................................ 7:00pm

Welcome & Opening Remarks .......................................................................................... 7:30pm
Grand Dominion Ballroom
- Valerie P. Wilson, Executive Director, Leadership Alliance
- Liza Cariaga-Lo, Chair, Symposium Planning Committee, Harvard University
- Bro. Bernard Ploeger, President, Chaminade University of Honolulu

Alumni Research and Career Panel ............................................................................. 8:15pm - 9:30pm
Grand Dominion Ballroom
Moderator: Arnaldo Diaz, Postdoctoral Fellow, University of Pennsylvania
- Leslie Rivera Rosado, ORISE Postdoctoral Fellow, Food and Drug Administration
- Jason Sello, Assistant Professor, Department of Chemistry, Brown University
- Evelyn Simien, Associate Professor, Department of Political Science, University of Connecticut

PowerPoint Preparation III ....................................................................................... 9:30pm - 10:30pm
Lincoln Forum

Reception for PhDs, Faculty Mentors, Coordinators, Graduate Students ................. 9:30pm - 10:30pm
Jeffersonian I-II-III-IV

SATURDAY, JULY 25

Posters Setup/Continental Breakfast for Undergraduates .................................................. 7:30am - 8:45am
Grand Dominion

Everything You Always Wanted to Know But Were Afraid to Ask .................................. 7:30am - 8:30am
Washingtonian Ballroom
Moderator: Earnestine Baker, University of Maryland, Baltimore County
- Mark Hernandez, Professor Civil, Environmental & Architectural Engineering, University of Colorado at Boulder
- Orlando Taylor, Dean of the Graduate School, Howard University

Student Poster Presentations ......................................................................................... 8:45am - 10:45am
Grand Dominion
Session I ......................................................................................................................... 8:45am - 9:45am
Session II ......................................................................................................................... 9:45am - 10:45am

Student Oral Presentations Session I .......................................................................... 11:15am - 12:45pm
Undergraduates Interested in the PhD: The Graduate School Experience
Grand Dominion Ballroom III, IV, V, VI
Moderator: Pamela Scott-Johnson, Chair and Associate Professor, Department of Psychology, Morgan State University
- Ryan Grant, University of Illinois at Urbana-Champaign, Biological Sciences
- Elizabeth Penela, University of Miami, Psychology
- Elda Maria Román, Stanford University, English
- Yisa Rumala, University of Michigan, Ann Arbor, Applied Physics
Lunch & Panel Discussion for Undergraduates Interested in the MD/PhD: The Graduate School Experience .................................1:00pm - 2:30pm

Grand Dominion Ballroom I, II
Moderator: Roger Chalkey, Senior Associate Dean of Biomedical Research Education and Training, Vanderbilt University
• Angel Byrd, Brown University
• Joseph Marlin, New York University Sackler Institute
• Calvin Williams, University of Maryland School of Medicine

Lunch & Panel Discussion for Graduate Students: Life after Graduate School: The Postdoc Experience .................................................1:00pm - 2:30pm

Washingtonian II –III
Moderator: David Redman, Associate Dean for Academic Affairs, Princeton University
• Joeli Marrero, Postdoctoral Fellow, Microbiology & Immunology, Cornell University Medical School
• Jerainne Johnson, Guest Researcher, Physical Sciences, National Institute of Standards and Technology
• Marisa Galvez, Assistant Professor, Humanities, Stanford University
• Tabetha Bonacci, Postdoctoral Scientist, Integrative Biology, Eli Lilly and Company

Lunch & Topic Tables for Doctoral Scholars: Navigating Your Career ........................................................................................................1:00pm - 2:30pm

Washingtonian I
Discussant: Patti Lee-Robinson, Chaminade University of Honolulu
Topic: Advising and Mentoring Undergraduates
Discussants: Nancy Thompson, Brown University; Orlando Taylor, Howard University
Topic: Starting a Laboratory or Research Group
Discussant: Willie Pearson, Georgia Institute of Technology
Topic: Careers in Government
Discussants: Michelle Nealon, Yale University; Paul Ardayfio, Eli Lilly and Company
Topic: Careers in Industry
Discussants: Michelle Grundy, Vanderbilt University; Liza Cariaga-Lo, Harvard University
Topic: Balancing Career and Family
Discussant: Michael Gaines, University of Miami
Topic: Seeking a Faculty Position/Finding the Right Opportunity for You
Discussants: Kenneth Warren, University of Chicago; Mark Hernandez, University of Colorado at Boulder
Topic: Publishing Your Research

Student Oral Presentations Session II ...........................................................................................................2:45pm - 4:15pm

Break ...............................................................................................................................................4:15pm - 4:30pm

Student Oral Presentations Session III ...........................................................................................................4:30pm - 6:00pm

Photos 6:00pm - 7:00pm

Dinner & Keynote Speaker .................................................................................................................................7:00pm - 9:00pm

Grand Dominion Ballroom

Leadership Alliance Community Meeting ........................................................................................................9:00pm - 10:00pm
Faculty Mentors, Coordinators, Doctoral Scholars, Administrators
Lincoln Forum
Moderators: Valerie P. Wilson, Executive Director, Leadership Alliance
Medeva Ghee, Associate Director, Leadership Alliance

Dance ........................................................................................................................................9:00pm - 12:00am
Jeffersonian Ballroom
SUNDAY, JULY 26

Exhibitors Set Up for Recruiting Fair .......................................................... 7:30am - 10:00am

Grand Dominion Ballroom

Breakfast & Panels: The Graduate School Application Process ......................... 8:00am - 9:45am
(Breakfast served 8:00-8:45am. Panels begin at 8:45am)

Biosciences – Jeffersonian I, II, III, IV
Moderator: George Hill, Associate Dean for Diversity, Vanderbilt University
• Anita Blanco, Director, Genetics and Genomics Diversity Program, Stanford University School of Medicine
• Michael Gaines, Associate Provost, University of Miami
• Laurel Southard, Director of Undergraduate Research in Biology, Cornell University
• Jocelyn Spragg, Faculty Director, Diversity Programs, Division of Medical Sciences

MD/PhD (New Session!) – Washingtonian I
Moderator: Joel Oppenheim, Senior Associate Dean for Biomedical Sciences, New York University School of Medicine
• Roger Chalkley, Senior Associate Dean for Biomedical Research Education & Training, Vanderbilt University
• Francoise Freyre, Assistant Dean of Student Affairs at Weill Cornell Graduate School of Medical Sciences
• José Quintáns, Director of the Medical Scientist Training Program, University of Chicago

Social Sciences & Humanities – Washingtonian II –III
Moderator: Louise Hainline, Dean, Research and Graduate Studies, Brooklyn College
• Liza Cariaga-Lo, Assistant Provost for Faculty Development & Diversity, Harvard University
• David Redman, Associate Dean of Academic Affairs, Princeton University
• Leislie Godo-Solo, Associate Director, Institute for Recruitment of Teachers
• Kenneth Warren, Deputy Provost for Research & Minority Issues, University of Chicago

Engineering & Physical Sciences – Jeffersonian V, VI
Moderator: Mark Hernandez, Professor in the Department of Civil, Environmental and Architectural Engineering, University of Colorado at Boulder
• Michelle Nearon, Assistant Dean & Director, Office for Diversity & Equal Opportunity, Yale University
• Thomas Webster, Associate Professor, Engineering, Brown University

Graduate Student Breakfast Seminar: Completing Your Dissertation ....................... 8:00am - 9:45pm
(Breakfast served 8:00-8:45am. Seminar begins at 8:45am)

Lincoln Forum
Moderator: Roosevelt Ratliff, Assistant Vice President for Leadership Development, Claflin University
• Wendy Carter, Program Coordinator, PhD Completion Project/PROMISE, University of Maryland, Baltimore County

Brainstorming Breakfast for Doctoral Scholars and Faculty Mentors .......................... 8:00am - 9:45am
(New Session!)—Westcot
Moderators: Valerie P. Wilson, Executive Director, Leadership Alliance
Medeva Ghee, Associate Director, Leadership Alliance

Recruiting Fair/Exhibitors — Grand Dominion Ballroom — ........................ 10:00am - 12:00pm

Fill out surveys — Washingtonian Ballroom — ........................................ 12:00pm - 12:30pm

Closing Remarks — Washingtonian Ballroom — ........................................ 12:30pm - 1:00pm
Valerie P. Wilson, Executive Director, Leadership Alliance

Adjourn & Departures — Washingtonian Ballroom — ................................. 1:00pm
Marta Tienda is Maurice P. During ’22 Professor in Demographic Studies and Professor of Sociology and Public Affairs at Princeton University, where she directed the Office of Population Research from 1998 - 2002. She has held appointments at the University of Chicago, as Ralph Lewis Professor of Sociology, where she served as department chair, and at the University of Wisconsin. She has served as visiting professor at Stanford and Brown Universities. Professor Tienda received honorary doctorates from Ohio State University, Lehman College and Bank Street College of Education. She is one of ten women featured in the Women’s Adventures in Science biography series published by the National Academy of Sciences (2005).

Professor Tienda is a Fellow of the American Academy of Arts and Sciences, the American Association for the Advancement of Science, and the American Academy for Political and Social Sciences. She is also past president (2002) of the Population Association of America and past board member of the Federal Reserve Bank of New York. Her research interests include ethnic and racial stratification, poverty and social policy, and the sociology of employment and labor markets.


Professor Tienda has served as trustee for several philanthropic organizations, including the Kaiser Family Foundation, the Russell Sage Foundation, Carnegie Corporation of New York, the Russell Sage Foundation and the W.T. Grant Foundation. Currently she is trustee of the Jacobs Foundation of Switzerland and the Alfred Sloan Foundation, a director of TIAA, and trustee of Brown University.

Professor Tienda received a B.A. in Spanish Literature from Michigan State University (Honors College) (1972) and a Ph.D. in Sociology from University of Texas at Austin (1977).
## Student Oral Presentations

### BY TIME

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<thead>
<tr>
<th>Time</th>
<th>Presentation</th>
<th>Title</th>
<th>Authors</th>
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</thead>
<tbody>
<tr>
<td>11:15 AM</td>
<td>SS Baek, Jaewon</td>
<td>Acculturation Status and Risk Behaviors Among Ethnic Minorities: The Role of Peer and Family</td>
<td>Hamilton</td>
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<tr>
<td></td>
<td>PE Bjoernsen, Mikael</td>
<td>Water and Conflict in the Nile Basin</td>
<td>Adams</td>
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<td></td>
<td>AB Conoway, Ashley</td>
<td>Therapeutic Measures To Prevent Long Term Effects Of Fetal Alcohol Exposure</td>
<td>Jeffersonian VI</td>
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<tr>
<td></td>
<td>BB Cruz, Stephanie</td>
<td>The Fragile X Protein (dFMR1) Interacts with the RNA Editing Enzyme ADAR in Drosophila</td>
<td>Jeffersonian V</td>
</tr>
<tr>
<td></td>
<td>SS Harrison, Brittany</td>
<td>Environment or Opportunity: African American Choice and the Pursuit of Higher Education</td>
<td>Madison</td>
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<td></td>
<td>BB Herrera-Rojas, Marlen</td>
<td>Interaction between NusGF165 and Specific Transcription Factors in E.coli</td>
<td>Jeffersonian II</td>
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<tr>
<td></td>
<td>SS Lumbereras, Jose</td>
<td>The Role of Neighborhoods in the Immigrant Paradox: First Generation Immigrant Youth Outperforming Native-Born Youth in Academics</td>
<td>Lincoln Forum</td>
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<td></td>
<td>ES Rivera, Arelis</td>
<td>Study of the H2O to CO2 Ratio in Emissions from Biomass Burning in Mexico</td>
<td>Monroe</td>
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<td>AB Rolong, Andrea</td>
<td>Fabrication of a Vitamin D Bacterial Biosensor</td>
<td>Jeffersonian III</td>
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<td>BB Saotome, Kei</td>
<td>Expression and NMR Analysis of a Modified U6 ISL RNA Fragment</td>
<td>Jeffersonian IV</td>
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<td>BB Small, Kurrie</td>
<td>The Detection of Coliforms and E. coli using MI Broth and Coliscan Easygel</td>
<td>Westcot</td>
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<td>AB Whittington, Andre'</td>
<td>Exploration of Family Membersí Perceptions of Quality of Nursing Home Care</td>
<td>Jeffersonian I</td>
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<tr>
<td>11:30 AM</td>
<td>SS Arevalo, Lizette</td>
<td>The Privatization of Public Education in New York City during the Bloomberg Administration</td>
<td>Madison</td>
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<tr>
<td></td>
<td>BB DÌaz, Natalia</td>
<td>Characterization of Putative Members of the Vg1 RNP Localization Complex</td>
<td>Jeffersonian IV</td>
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<tr>
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<td>BB Fawole, Ope</td>
<td>Identifying RNA Partners of Runx Transcription Factors in T Cells</td>
<td>Jeffersonian II</td>
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<td>HU Harrington, Xavia</td>
<td>The Not So Great Migration: The Impact of the Great Migration on the African-American Experience</td>
<td>Lincoln Forum</td>
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<tr>
<td></td>
<td>PS Killpack, Dakota</td>
<td>Computational Recursions for Steady State Performance Measures of Multi-Server Queues with Abandonment</td>
<td>Monroe</td>
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<tr>
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<td>BB Philippe-Auguste, Michael</td>
<td>The Effect of Host Genotype on Microbe Diversity and Quantity in Drosophila melanogaster</td>
<td>Jeffersonian V</td>
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<tr>
<td></td>
<td>BB Roberts, Christina</td>
<td>Loss of Beta-catenin Inhibits Postnatal Mammary Gland Development and Compromises Mammamphere Formation Ability in vitro</td>
<td>Jeffersonian VI</td>
</tr>
<tr>
<td></td>
<td>AB Santos, Melissa</td>
<td>Investigation of Fed Batch Process Conditions for the Production of Monoclonal Antibodies Expressed in CHO Cells Using Wave Bioreactor Technology</td>
<td>Jeffersonian III</td>
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<tr>
<td></td>
<td>PE Sharma, Jigyasa</td>
<td>The Politics of Threat and Violence: Gujarat Carnage and the Crisis of Democracy in India</td>
<td>Adams</td>
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<tr>
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<td>BB Somuah, Michael</td>
<td>Role of a New Low Molecular Weight Thiol in Bacillus</td>
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<td></td>
<td>SS Valencia, Catherine</td>
<td>Influence of Peers and Behavioral Traits on Social Behavior and Underlying Neural Circuitry</td>
<td>Hamilton</td>
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<td></td>
<td>BB Vazquez Otero, Ileana</td>
<td>Forensic Perspectives on Microsatellite Typing of Pathologically Altered Samples - Pitfalls and Improvements</td>
<td>Jeffersonian I</td>
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### 11:45 AM

<table>
<thead>
<tr>
<th>SS</th>
<th>Azcona, Natalie</th>
<th>Eyes: The Truth behind Cooperative Behavior</th>
<th>Hamilton</th>
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<tbody>
<tr>
<td>BB</td>
<td>Bachier, Jose</td>
<td>Growing Conditions Effect on Candida albican’s Colonization in G.I. Tract, in vivo</td>
<td>Westcot</td>
</tr>
<tr>
<td>BB</td>
<td>Campbell, John</td>
<td>Interaction between the Transcription Factor mouse Vezf1 and RhoB as it relates to Vascular System Development</td>
<td>Jeffersonian II</td>
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<tr>
<td>BB</td>
<td>Cannonier, Shellese</td>
<td>Nuclear Receptors Identified in Migratory Cells of Drosophila Egg Chambers</td>
<td>Jeffersonian V</td>
</tr>
<tr>
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- **SS Fale, Casuallen** Malamaaina for a Sustainable Future: Recent Developments Concerning Material Usage and Waste on the Island of Oahu, Hawaii
  - Lincoln Forum
- **BB Ghaderi, Kimeya** Analysis of Cardiac Development in Mutant Zebrafish
  - Westcot
- **SS Louis, Elizabeth** How Cultural Models Affect our Interpretations of Ourselves and Others
  - Washingtonian III
- **AB Mack, Ethan** Modulation of HIV-1 Envelope gp120 Antigenicity by Formation of gp120-Monoclonal Antibody Immune Complexes
  - Jeffersonian V
- **HU Mohammed, Hadiza** Africans in Chicago
  - Washingtonian II
- **BB O’Neal, Shannon** Activation of Dendritic Cells by Plasmodium Sporozoites
  - Jeffersonian III
- **SS Quashie, Cassie-Ann** The Effects of Racial Ideologies on Self-Perception of Weight in Black and White Women
  - Adams
- **AB Robertson, Dale** Production and Study of Leukotoxin ED and Leukotoxin FS
  - Jeffersonian VI
- **BB Ross, Yolonda** The Effects of Beta-Glucan on Lipopolysaccharide-Induced Cytokine Production and Sepsis
  - Jeffersonian IV
- **PS Stephens, Kevin** Statistical CT and Helium-3 MR Image Analysis of the Lungs of Severe Asthma Patients
  - Monroe
- **AB Tetzl, Dustin** FMRI study of the neural correlates of ADHD
  - Jeffersonian II
### 5:15 PM

| SS | Abrams, Jasmine | The Effects of a Mentoring Based Program on the Ethnic Identity of College Women and Middle School Girls | Adams |
| BB | Diaz Bessone, Maria | Characterizing the Mouse hdl gene and Human Homologue in vitro and in vivo | Jeffersonian V |
| HU | Duchesne, Dafne | iDISAPPEARED! Subjects and iREAppeared! Texts: Testimony in Martin Kohanís Museo de la Revolucion | Washingtonian III |
| HU | Eldridge, Lauren | One Musician, Two Masters: The Division of Sacred and Secular in a Chicago AME Church | Hamilton |
| PS | Hooker, Nzingha | Biochemical Studies on Interaction of Release Factor with Cognate Methyltransferase | Madison |
| BB | Ifedi, Benedict | Ligand Binding Specificity of the Lysine Riboswitch | Jeffersonian III |
| BB | Khan, Hina | Selenocysteine in Archaea | Jeffersonian III |
| BB | Knox, Antionette | Effect of the YY1 REPO Domain Peptide on Cell Growth and Apoptosis | Jeffersonian I |
| SS | Martinez-Muniz, Isabelle | Pre-hispanic Ceramics of Perú: Symbolic Representations | Washingtonian II |
| SS | Mounts, Marissa | Which Developmental Skills Assessed in Preschool Predict Kindergarten Math Abilities? | Lincoln Forum |
| AB | Rahman, Karishma | Modulation of Immune Responses by Apoptotic Microparticles | Jeffersonian I |
| BB | Norman, Rene | Factors that Play a Role in Junin Viral Tropism | Jeffersonian VI |
| AB | Skinner, Kenneth | Regional Therapeutic Gene Delivery for Canine (GRMD) Homologue of DMD | Jeffersonian I |
| BB | Woldesellassie, Fitsum | Determining Polarity in Tracheal Terminal Cells | Jeffersonian V |
| AB | Yemanaberhan, Eyoel | Inhibition of CSP Cleavage: Serine and Cysteine Protease Inhibitors as Possible Prophylactic Agents in the Fight against Malaria | Jeffersonian III |
| BB | Zhou, Wenhui | The Role of Src-kinases in the Regulation of ADAM17 mediated shedding of TGFα | Jeffersonian VI |

### 5:30 PM

| ES | Calderon Pagan, Ariana | Evaluation of the Mecinus janthinus Weevil to Control Densities of Dalmation Toadflax (Linaria dalmatica) along the Colorado Front Range | Madison |
| BB | Callender, Rashida | A Study of the D-domain of ephrin B3 Receptors | Jeffersonian VI |
| BB | Danish, Husain | Homeostasis of Monocyte Populations at the Maternal-Fetal Interface | Jeffersonian IV |
| AB | Dike, Nwamaka | Characterization of PHIST Domain Protein Localization and Interaction in Plasmodium falciparum | Jeffersonian III |
| PS | Henderson, Elizabeth | Observational Evidence of Black Hole Ejection from Host Galaxies | Monroe |
| HU | LeFebvre, Nichole | A Study of Naming Practices in Jhumpa Lahiriís The Namesake | Washingtonian II |
| AB | Martinez, Raul | Genomic Variation in Candidate Genes for Autism | Jeffersonian II |
| SS | Mounts, Marissa | Which Developmental Skills Assessed in Preschool Predict Kindergarten Math Abilities? | Lincoln Forum |
| AB | Rahaman, Karishma | Modulation of Immune Responses by Apoptotic Microparticles | Jeffersonian I |
| BB | Soriano, Alex | Function of Digestive Tract Proteins in Zebrafish | Westcot |
| BB | Tabuyo, Angel | Forensic Implementation of Laser Capture Microdissection in Extraction of Nuclear DNA from Degraded Bone Samples | Jeffersonian V |
| HU | Tudela, Alex | Latino Adolescence in 1950s America | Washingtonian III |
| SS | Washington, Keara | Healthy Relationship Education for African American Women | Adams |
| HU | Williams, Matthew | Envisioning a Fictional Revolution: Painting, Stillness, and Mobility in Early America | Hamilton |

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| PS | Jones, Jasmine | Walk It Out: Using Persuasive Technology for Activity Motivation in Sedentary Adults | Monroe |
| AB | Natrajan, Muktha | Induction of Toll-Like Receptor 9 through CpG Addition as a Method for Treating Alzheimer’s Disease | Jeffersonian II |
| BB | Norman, Rene | Factors that Play a Role in Junin Viral Tropism | Jeffersonian VI |
| BB | Nuruzzaman, Farhan | The Role of PKMzeta in Mormyrid Fish | Westcot |
| AB | Skinner, Kenneth | Regional Therapeutic Gene Delivery for Canine (GRMD) Homologue of DMD | Jeffersonian I |
| BB | Woldesellassie, Fisum | Determining Polarity in Tracheal Terminal Cells | Jeffersonian V |
| AB | Yemanaberhan, Eyoel | Inhibition of CSP Cleavage: Serine and Cysteine Protease Inhibitors as Possible Prophylactic Agents in the Fight against Malaria | Jeffersonian III |
| BB | Zhou, Wenhui | The Role of Src-kinases in the Regulation of ADAM17 mediated shedding of TGFα | Jeffersonian VI |
### Jeffersonian I
**Applied and Basic Biosciences**

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<tr>
<th>Student</th>
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<tbody>
<tr>
<td>Maggie Phan, Emory University</td>
<td>Exploration of Family Members’ Perceptions of Quality of Nursing Home Care</td>
<td>11:15 AM</td>
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<tr>
<td>Ileana Vasquez Otero</td>
<td>Forensic Perspectives on Microsatellite Typing of Pathologically Altered Samples - Pitfalls and Improvements</td>
<td>11:30 AM</td>
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<tr>
<td>Tyler Matlock</td>
<td>The Effect of Step Width on Balance during Running</td>
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<tr>
<td>Jeanita Moore</td>
<td>Primary Care Delivery to Veterans with Chronic Mental Health Issues</td>
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<td>Yaritzy Astudillo</td>
<td>An Enzyme-coupled Ultrasensitive Assay for S-adenosylmethionine-dependent methyltransferases</td>
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<td>Max Liu</td>
<td>Isolation and Characterization of Beta Keratin in Avian Feathers</td>
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### Jeffersonian II
**Applied and Basic Biosciences**

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<td>Jose Miranda, University of Colorado at Boulder</td>
<td>Interaction between NusGF165 and Specific Transcription Factors in E.coli</td>
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<td>Ope Fawole</td>
<td>Identifying RNA Partners of Runx Transcription Factors in T Cells</td>
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<td>John Campbell</td>
<td>Interaction between the Transcription Factor mouse Verz1 and RhoB as it relates to Vascular System Development</td>
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<td>William Pineros</td>
<td>Concentration Effect on Intramolecular Dynamics of the Basic Leucine Zipper Element of DNA Transcription Factor GCN4</td>
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<td>Carlos Peinado</td>
<td>The Role of the Methyltransferase Suv4-20h1 in Glucocorticoid Regulated Gene Transcription</td>
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<td>Gloria Herrera</td>
<td>Negative Regulation of Interleukin-2 Expression by B-cell leukemia-3</td>
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Tammi Taylor, Indiana University Purdue University

2:45-4:15

Courtney Wallace Identification of B.microti Resistant Quantitative Trait Loci on Chromosome Nine of Mouse Model 02:45 PM
Bertheleau Ngakam A Genetic Screen for Arf-1 Mutants that Disrupt a Specific Pathway in Saccaromyces Cerevisiae. 03:00 PM
Laura Rosado Elucidation of Single Nucleotide Polymorphisms in the CHRNA6 Gene of Alcohol and Tobacco Dependent Individuals 03:15 PM
Walter Lewis Natural Selection of Gene Linkage to Suppress Somatic Cell Evolution 03:30 PM
Krystal Sotolongo Comparisons of Intergenic Variation among Trichomonas vaginalis Isolates 03:45 PM
Joel Morales Assessing TCR-alpha Gene Locus Control Region Activity in Cultured T-cells 04:00 PM

Kristin Nalls, University of Mississippi Medical Center

4:30-6:00

Glenn Velupillai Diabetes Prevalence, Outcomes and Health Resource Disparities Between Racially Similar Populations in the Central Bronx and Highbridge/Morrisania Area in New York 04:30 PM
Alexandra De la Rosa Treatment Adherence and Health-Related Quality of Life in Type 2 Diabetes Patients 04:45 PM
Dustin Tetzl FMRI study of the neural correlates of ADHD 05:00 PM
Xavier Readus Behavior Validation of a Mouse Model of Autism 05:15 PM
Raul Martinez Genomic Variation in Candidate Genes for Autism 05:30 PM
Muktha Natrajan Induction of Toll-Like Receptor 9 through CpG Addition as a Method for Treating Alzheimer’s Disease 05:45 PM

Jeffersonian III

Applied and Basic Biosciences

Dana Harmon, Tufts University

11:15-12:45

Andrea Rolong Fabrication of a Vitamin D Bacterial Biosensor 11:15 AM
Melissa Santos Investigation of Fed Batch Process Conditions for the Production of Monoclonal Antibodies Expressed in CHO Cells Using Wave Bioreactor Technology 11:30 AM
Katherine Riccione Plasmodium berghei Inhibition by Gamma Interferon 11:45 AM
Biruk Mikru Synthesis of Nicotinamide Riboside and Derivatives to Characterize Feedback Regulation of Mycobacterium tuberculosis Nicotinamidease/Pyrazinamidase. 12:00 PM
Olubukola Oriola Regulation of Effector T Cell Entry into the Tumor Microenvironment by Listeria Based Vaccines 12:15 PM
Lena Thomer Role of Vacuolar Ubiquitin Trafficking in Macrophage Susceptibility to Mycobacteria 12:30 PM

Cherie Ramirez, Harvard University

2:45-4:15

Ethan Sokol A Characterization of Telomere Associated Protein Tankyrase’s Interactions with CPAP and GMD using Binding Site Mutagenesis and PARP Activity Deletion 02:45 PM
Mohammad Usmani Site-directed Mutagenesis of the Alpha3 Subunit of Nicotinic Acetylcholine Receptor to Optimize Alpha Bungarotoxin Affinity 03:00 PM
Artisha Johnson Identification of the Fed Snake Serum Response Element (FSSRE) of the Rat Aquaporin 7 Promoter 03:15 PM
Joel Levin Identification of the Hunchback Repressive Domain 03:30 PM
Rafael Hernandez A Method for Identifying Novel TREK-1 Modulators 03:45 PM
Julie Trautwein Identification of Novel Oncogenes associated with MMTV-induced Breast Cancer 04:00 PM
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<th>Time</th>
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<tr>
<td>4:30-6:00</td>
<td>Renee Roberts, University of Missouri - Columbia</td>
<td>Comparative Analysis of Larval Development and Morphology of Obligate Brood Parasitic and Substrate Spawning Synodontis Catfish Species 04:30 PM</td>
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<td>Matthew Silva</td>
<td>Comparative Analysis of Human, Saccharomyces cerevisiae, and Trypanosoma brucei GPI transamidase 04:45 PM</td>
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<td>Chidiebere Akusobi</td>
<td>Activation of Dendritic Cells by Plasmodium Sporozoites 05:00 PM</td>
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<td>Shannon O’Neal</td>
<td>Selenocysteine in Archaea 05:15 PM</td>
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<td>Shannon O’Neal</td>
<td>Characterization of PHIST Domain Protein Localization and Interaction in Plasmodium falciparum 05:30 PM</td>
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<td>Hina Khan</td>
<td>Inhibition of CSP Cleavage: Serine and Cysteine Protease Inhibitors as Possible Prophylactic Agents in the Fight against Malaria 05:45 PM</td>
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<td>Nwamaka Dike</td>
<td>Characterization of Putative Members of the Vg1 RNP Localization Complex 11:15 AM</td>
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<td>Marcus Hines</td>
<td>Determining the Ubiquitin-ligase of MITF-M in Melanoma Cells 12:30 PM</td>
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<td>Eyoel Yemanaberhan</td>
<td>CHRNA7, c-myb and the Development of the GABAergic System 12:15 PM</td>
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<td>11:15-12:45</td>
<td>Tishina Okegbe, University of Pennsylvania</td>
<td>Expression and NMR Analysis of a Modified U6 ISL RNA Fragment 11:15 AM</td>
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<td>Kei Saotome</td>
<td>Characterization of Putative Members of the Vg1 RNP Localization Complex 11:30 AM</td>
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<td>Natalia Diaz</td>
<td>Study of Hsp90 Super-chaperone Complex Formation 11:45 AM</td>
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<td>Connie Yue</td>
<td>CHRN4A7, c-myb and the Development of the GABAergic System 12:00 PM</td>
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<td>Hiram Rodriguez</td>
<td>Identifying Melanoma Related Genes using Published Microarray Gene Expression Analysis 12:15 PM</td>
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<td>Nader Zamani</td>
<td>Determining the Ubiquitin-ligase of MITF-M in Melanoma Cells 12:30 PM</td>
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<td>Noelle Hutchins, Brown University</td>
<td>Effects of Electric and Magnetic Fields on Neutrophils 02:45 PM</td>
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<td>Marisol Lozano Roman</td>
<td>Deleting Streptococcus pneumoniae genes SP_1119 and SP_1161 to Investigate their Role in a Cross-reactive Immune Response 03:00 PM</td>
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<td>Gloria Williams</td>
<td>The Role of T-bet and Eomesodermin in Natural Killer Cell Development 03:45 PM</td>
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<td>Sadella Santos</td>
<td>The Effect of Helicobacter Pylori Eradication on Host Immune Response 04:00 PM</td>
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<td>Jacqueline McRae</td>
<td>PD-1:PD-L1 Induced Alterations in T-cell Migration/Motility and/or Function During Sepsis 03:15 PM</td>
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<td>Isabelle Dortonne</td>
<td>The Effect of Helicobacter Pylori on CD4+ T Cell Activation Signaling 03:30 PM</td>
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<td>Darien Sutton</td>
<td>The Role of T-bet and Eomesodermin in Natural Killer Cell Development 03:45 PM</td>
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<td>4:30-6:00</td>
<td>Nelissa Perez-Nazario, University of Rochester</td>
<td>Implication of Rab27a in Dendritic Cell trans-Enhancement of CD4+ T cell HIV-1 Infection 04:30 PM</td>
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<td>Phillip Fitzgerald</td>
<td>Activation of the Endoplasmic Reticulum Stress Response by Antiretroviral Therapeutics in Primary CNS Neuronal and Glial Cultures 04:45 PM</td>
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<td>Michelle Marie Pena</td>
<td>The Effects of Beta-Glucan on Lipopolysaccharide-Induced Cytokine Production and Sepsis 05:00 PM</td>
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<td>Yolonda Ross</td>
<td>Sortilin and its Effect on Plasma Lipids in Mice 05:15 PM</td>
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<td>Johnny Taylor, III</td>
<td>Identifying Monocyte Populations at the Maternal-Fetal Interface 05:30 PM</td>
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<td>Rene Norman</td>
<td>Factors that Play a Role in Junin Viral Tropism 05:45 PM</td>
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<td>Jeffersonian V, University of Pennsylvania</td>
<td>The Fragile X Protein (dFMR1) Interacts with the RNA Editing Enzyme ADAR in Drosophila 11:15 AM</td>
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<td>Stephanie Cruz</td>
<td>The Effect of Host Genotype on Microbe Diversity and Quantity in Drosophila melanogaster 11:30 AM</td>
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<td>Michael Philippe-Augustie</td>
<td>Nuclear Receptors Identified in Migratory Cells of Drosophila Egg Chambers 11:45 AM</td>
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<td>Shellese Cannonier</td>
<td>Roles of Glial Neurotransmitter Transporters in Drosophila Courtship Behavior 12:00 PM</td>
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<td>Stephanie Chan</td>
<td>Connecting Memory and Fragile X Syndrome: An Analysis of PKM-zeta and FMRP in Hippocampal Neurons 12:15 PM</td>
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<td>Allison Diamond</td>
<td>Validation of Galanin as a Marker for GnRH Neurons 12:30 PM</td>
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<td>Nadeau Lyn</td>
<td>Validation of Galanin as a Marker for GnRH Neurons 12:30 PM</td>
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**Alexis Sloan, University of Miami**  
**2:45-4:15**

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<tr>
<td>Krizia Rohena Rivera</td>
<td>Loss of DNA Methylation: Effects on Cell Proliferation</td>
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<td>Melanie Ortiz</td>
<td>Effects of Cigarette Smoke on Small GTPase-mediated Endothelial Monolayer Permeability</td>
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<td>Zerita Buchanan</td>
<td>Analysis of Organ Morphogenesis through Shrinking of Epithelial Cell Junctions</td>
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<td>Rosa Rodriguez</td>
<td>The Role of a Novel Transmembrane Protein MPZL3 in Epithelial Cell Adhesion</td>
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<td>Joseph Villarin</td>
<td>Exploring the Role of Visceral Endoderm in Organ Formation</td>
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<td>Ekaterina Khramtsova</td>
<td>Role for Histone Deacetylase in RNA Polymerase II Phosphorylation</td>
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**Gerondo Montalvo, University of Pennsylvania**  
**4:30-6:00**

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<td>Adebola Adeniran</td>
<td>Role of Different Immunoglobulin Isotypes from Mouse anti-Vibrio cholerae OMV Immune Serum in the Ability to Inhibit Bacterial Motility</td>
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<td>Doris Alvarez</td>
<td>Examining the Role of CaMKII in Establishing the Membrane Block to Polyspermy in Mouse Eggs</td>
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<td>Ethan Mack</td>
<td>Modulation of HIV-1 Envelope gp120 Antigenicity by Formation of gp120-Monoclonal Antibody Immune Complexes</td>
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**Jeffersonian VI**  
**Applied and Basic Biosciences**

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

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<tr>
<td>Ashley Conoway</td>
<td>Therapeutic Measures To Prevent Long Term Effects Of Fetal Alcohol Exposure</td>
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<tr>
<td>Christina Roberts</td>
<td>Loss of Beta-catenin Inhibits Postnatal Mammary Gland Development and Compromises Mammaryphere Formation Ability in vitro</td>
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<td>Paige Cooper</td>
<td>The Role of FoxM1 Transcription Factor in Beta-cell Mass Regulation During Pregnancy</td>
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<td>Cameron Johnson</td>
<td>Hormonal Regulation of Pigment Epithelium-Derived Factor in Growth Control of the Endometrium</td>
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<td>Joel Crespo</td>
<td>Modulation of Rac-1 GTPase by PKC delta, PKC alpha, and SHP2 in Lung Endothelium</td>
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<td>Edsel Abud</td>
<td>Digoxin: A Possible Therapeutic Agent for Hypoxic Pulmonary Hypertension via Inhibition of Hypoxia Inducible Factor 1</td>
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**Kahlilia Morris, University of Miami**  
**2:45-4:15**

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<tr>
<td>Kelsey Anbuhl</td>
<td>The Effects of Intragastric Administration of Mycobacterium vaccae on Catecholaminergic Systems in Mice</td>
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<td>Raven Harris</td>
<td>Effects of Semaphorin 6d on the Outgrowth of Retinal Ganglion Cells during Development of the Optic Chiasm in the Mouse Visual System</td>
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<td>Almas Khan</td>
<td>Investigation of Bestrophin Expression Level Across the Retina</td>
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<td>Alejandro Lopez</td>
<td>Image Analysis of Interneuron Migration in Developing Mammalian Brain</td>
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<td>Mariela Mitre</td>
<td>A Role for GSK3 in NRG1-dependent Signaling in Schwann Cells</td>
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<td>Michelle Williams</td>
<td>Inhibition of Hedgehog Signaling in Development and Cancer</td>
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**Scharri Ezell, University of Alabama Birmingham**  
**4:30-6:00**

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<tr>
<td>Kelli Outlaw</td>
<td>Toll-like Receptor 3 (TLR3) Colocalizes with GC-Binding Factor 2 (GCF2) in Response to Influenza Infection</td>
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<td>Jacqulyne Ponville</td>
<td>Interaction of the Group II Intron ID3 Stem Loop With its 5’ Splice Site Target</td>
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<td>Dale Robertson</td>
<td>Production and Study of Leukotoxin ED and Leukotoxin FS</td>
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<td>Benedict Iledi</td>
<td>Ligand Binding Specificity of the Lysine Riboswitch</td>
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<td>Rashida Callender</td>
<td>A Study of the D-domain of ephrin B3 Receptors</td>
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<td>Wenhui Zhou</td>
<td>The Role of Src-kinases in the Regulation of ADAM 17 mediated shedding of TGFα</td>
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Westcot  

**Applied and Basic Biosciences**

Paloma Vargas, New York University Sackler Institute 11:15-12:45

- Kurrie Small: The Detection of Coliforms and E. coli using MI Broth and Coliscan Easygel 11:15 AM
- Michael Somuah: Role of a New Low Molecular Weight Thiol in Bacillus 11:30 AM
- Jose Bachier: Growing Conditions Effect on Candida albican's Colonization in G.I. Tract, in vivo 11:45 AM
- Mabel Mora: Effects of H. Pylori Eradication on Ghrelin and GOAT Levels 12:00 PM
- Alisha Wainwright: Identification of Novel HPV16 Binding Proteins using DNA Affinity Purification 12:30 PM

Angel Byrd, Brown University 2:45-4:15

- Jose Llongueras: Functions of Small Non-coding RNAs in Motor Neuron Formation and Spinal Cord Injury Recovery 02:45 PM
- Nitzy Bustamante: Effects of Beta-Glucan Exposure on Hippocampal Microglial Activation 03:00 PM
- Lyl Tomlinson: P-CREB Downstream Target Expression In The Sleep Wake Cycle Of Mice 03:15 PM
- Carla Guyler: Characterization of APOBEC3A Mutants 03:30 PM
- Anabel Gonzalez Gil: Generating a Calcium Sensor to Measure Calcium within the Sarcoplasmic Reticulum of Skeletal Muscle Cells 03:45 PM
- Jennifer Stetler: Role of Sphingolipids in Insulin Resistance of Skeletal Muscle 04:00 PM

Tanya Williams, Weill Cornell Medical College 4:30-6:00

- Lydia Everhart: Analyzing the Invasive Behavior of Fibrosarcoma Tumor Cells Using 3-Dimensional Matrices 04:30 PM
- Olusola Ayankola: Cardiac Myocytes and Fibroblasts in a Three-Dimensional Cell Culture System 04:45 PM
- Kimeya Ghaderi: Analysis of Cardiac Development in Mutant Zebrafish 05:00 PM
- Barret Zimmermann: The Functionality of Temperature-sensitive NICD, and its Role in Zebrafish Somitogenesis 05:15 PM
- Alex Soriano: Function of Digestive Tract Proteins in Zebrafish 05:30 PM
- Farhan Nuruzzaman: The Role of PKMzetA in Mormyrid Fish 05:45 PM

Adams  

**Humanities, Social Sciences, Policy and Ethics**

Tiffany Joseph, University of Michigan - Ann Arbor 11:15-12:45

- Mikael Bjoernsen: Water and Conflict in the Nile Basin 11:15 AM
- Jigyasa Sharma: The Politics of Threat and Violence: Gujarat Carnage and the Crisis of Democracy in India 11:30 AM
- Rosina Pradhananga: Social Mobility in South India under Colonial Rule: 1881-1921 11:45 AM
- Anthony Badami: Authority and Legitimacy: An Examination of Undemocratic Institutions in Democratic Societies 12:00 PM
- Chloe Afaga: Hawaii the 50th State or the Forgotten State 12:15 PM
- Violeta Rosales: Latin America & The Middle East: What is Going On in Our Backyard? 12:30 PM

Kedrick Perry, University of Virginia 2:45-4:15

- Wilson Okello: New Boots, Same Old Straps: Examining the role of African American teachers in promoting and developing informed resilience in African American students. 02:45 PM
- Michael Espero: The Fatherless Minority: The Barriers To Higher Education For An Ethnically Heterogeneous Population 03:00 PM
- Pareezad Zarolia: Individual Differences in Cognitive Performance 03:15 PM
- Tanesha Washington: Critical Factors that Contribute to the Lower Achievement for African American Boys in First Grade 03:30 PM
- Kiara Drummond: Talking Black versus “Talking White”: The Achievement Gap and Standardized Testing 03:45 PM
- Dana Nickson: Reverberations and Reflections: A Case Study of The Philadelphia Freedom Schools 04:00 PM
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<tr>
<td>4:30-5:45</td>
<td>Hamilton</td>
<td>Kristin Dukes, Tufts University Medford</td>
<td>Spotlight for Stereotypes: Do Essence Magazine's Articles Help to Dispel or Validate Stereotypes of Black Women</td>
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<td>Daneeta Shine</td>
<td>Diversity and Privilege: Exploring Socio-Cultural Empathy among College Women Mentors</td>
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<td>Cassie-Ann Quashie</td>
<td>The Effects of Racial Ideologies on Self-Perception of Weight in Black and White Women</td>
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<td>Jasmine Abrams</td>
<td>The Effects of a Mentoring Based Program on the Ethnic Identity of College Women and Middle School Girls</td>
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<td>Keara Washington</td>
<td>Healthy Relationship Education for African American Women</td>
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<td>11:15-12:45</td>
<td>Elizabeth Penela, University of Miami</td>
<td>Jaewon Baek</td>
<td>Acculturation Status and Risk Behaviors in Youth: The Role of Parental Control and Neighborhood Context</td>
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<td>Catherine Valencia</td>
<td>Influence of Peers and Behavioral Traits on Social Behavior and Underlying Neural Circuitry</td>
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<td>Natalie Azcona</td>
<td>Eyes: The Truth behind Cooperative Behavior</td>
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<td>Celiah Bunsie</td>
<td>Examining the SAAF Program Effects on Risk Behavior Reductions in Adolescents Through Parenting</td>
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<td>Eugene Smith</td>
<td>The Relationship Between Harsh Discipline Practices with Preschool Children's Social Thinking and Disruptive Behavior</td>
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<td>Kevin Callender</td>
<td>Associations Among Breastfeeding, Cognitive Ability, and Externalizing Behavior</td>
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<td>Madison Moore, Yale University</td>
<td>Whitney Johnson</td>
<td>Soul Making: Identity and Individuality in Appiah's &quot;The Ethics of Identity&quot;</td>
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<td>Ari Koslow</td>
<td>Personal Identity, Armchairs and Intuitions</td>
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<td>Kailey Spencer</td>
<td>Effect Minimal Identifiers on Personal Preferences</td>
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<td>Lacey Jewett</td>
<td>Ask the Men: A View of Sexual Health Through the Eyes of American Indian Men</td>
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<td>Dean Stevenson</td>
<td>The AP Challenge: Student Self-Perceptions Prior to Intervention at the University of Virginia</td>
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<td>Mary Nguyen</td>
<td>The AP Challenge: Student Self-Perceptions and Learning Experiences After an Intervention Program at the University of Virginia</td>
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<td>Elda Maria Roman, Stanford University</td>
<td>Linda Witkowski</td>
<td>Strange Culture in the Documentary Tradition</td>
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<td>Lisa Young</td>
<td>Sociolinguistic Lessons in A Lesson Before Dying</td>
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<td>Amber Dukes</td>
<td>Is Causing Harm Wrongful? Or is a Harmful Wrong Causal?</td>
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<td>Lauren Eldridge</td>
<td>One Musician, Two Masters: The Division of Sacred and Secular in a Chicago AME Church</td>
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<td>Matthew Williams</td>
<td>Envisioning a Fictional Revolution: Painting, Stillness, and Mobility in Early America</td>
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<td>Gina Greene, Princeton University</td>
<td>Jose Lumbreiras</td>
<td>The Role of Neighborhoods in the Immigrant Paradox: First Generation Immigrant Youth Outperforming Native-Born Youth in Academics</td>
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<td>Xavia Harrington</td>
<td>The Not So Great Migration: The Impact of the Great Migration on the African-American Experience</td>
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<td>Ali Wright</td>
<td>Asylum Life and Experiences of Mental Illness in 19th-Century African-American and Irish Immigrant Communities: An Untold Story</td>
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<td>Tiffany Miller</td>
<td>A Comparison Between West African Tribes and Latin American Tribes Prior to Colonization</td>
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<td>Allister Plater</td>
<td>How Culture Impacts the Oral Expression of Chinese Immigrant and European American Children in the United States</td>
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<td><strong>Rohan Palmer, University of Colorado at Boulder</strong></td>
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<td>Danielle Busby: Effects of Exposure to Colorblind Ideology on Depression among African Americans</td>
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<td>Juan Molina: Biological Correlates of Socially Induced State Anxiety</td>
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<td>Stacie Collins: Effects and Implications of Alcohol Abuse on Schizophrenia</td>
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<td>Brandon Murray: Flexible Decision Making Corresponds with Behavioral Response in Rhesus Macaques</td>
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<td>Olivia Mesoras: Cholinergic Effects on Prepulse Inhibition of the Goldfish Startle Escape Response</td>
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<td>Anabel Rodriguez: Circadian and Arousal Determinants of Estrogen-induced Lordosis Behavior</td>
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<td><strong>Tiffany Joseph, University of Michigan - Ann Arbor</strong></td>
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<td>Stephanie Weiss: Defining Urban Orientation and Exploring its Effects in Amazonia</td>
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<td>Jose Collazo Jr.: Tourism Impact on the Southern Mexican States' Indigenous Communities</td>
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<td>Casuellen Fale: Malama‘aina for a Sustainable Future: Recent Developments Concerning Material Usage and Waste on the Island of Oahu, Hawaii</td>
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<td>Sharon Paitoo: The Use and Misuse of Aggregate Economic Statistics</td>
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<td>Marissa Mounts: Which Developmental Skills Assessed in Preschool Predict Kindergarten Math Abilities?</td>
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<td>Brittany Harrison: Environment or Opportunity: African American Choice and the Pursuit of Higher Education</td>
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<td>Lizette Arevalo: The Privatization of Public Education in New York City during the Bloomberg Administration</td>
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<td>Kelly Minor: Academic Expectations and Values among Low-Income Youth: Exploring Differences by Achievement Level</td>
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<td>Derik Goatson: On Multicultural Education: Native American Studies in the Academy</td>
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<td>Arlene Barochin: Black Male Achievement in Universities</td>
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<td>Alisha Hines: The Reconstruction of Ideas about Public Education in Chicago, 1915-1955</td>
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<td><strong>Bernard Gailiard, University of California, Santa Barbara</strong></td>
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<td>Kiara Drake: Legalized Discrimination in the Land of Liberty</td>
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<td>Esayas Araya: The Desegregation of Georgia Tech University</td>
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<td>Jewell Debnam: (De)Valuing Other Truths: Harvard’s Struggle to Diversify Its Community and Curriculum in the Mid to Late 20th Century</td>
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<td>Walido Mukhtar: Fairness and the Jigsaw Classroom.</td>
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<td>Mayesha Alam: Genocide in the 21st Century: Issues of Consensus, Cooperation &amp; Capacity</td>
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<td>Ashli Watts: Layers of Awakening: Perspectives of Community Development in the Pleasant Plains Community of Washington, D.C. - A Community Technical Assistant Program (CTAP)</td>
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<td><strong>Armando Garcia, Cornell University</strong></td>
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<td>Destin Jenkins: Coastal Warning: African American Response to the “Rising Tide of Color,” 1900-1930</td>
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<td>Barinia Uribe: Social Capital: Latino Adolescents, Expectations, and Aspirations for the Future</td>
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<td>Elizabeth Louis: How Cultural Models Affect our Interpretations of Ourselves and Others</td>
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<td>Dafne Duchesne: “Disappeared” Subjects and “Reappeared” Texts: Testimony in Martin Kohan's Museo de la Revolucion</td>
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<td>Alex Tudela: Latino Adolescence in 1950s America</td>
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### Washingtonian III  Humanities, Social Sciences, Policy and Ethics

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<td>Natalie Palmer, Cornell University</td>
<td>From “lovely birds” to “tasteful creatures”: The Problem of Assimilation in Benito Pérez Galdós’s El amigo Manso</td>
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<td>Lauren Winczowski</td>
<td>People's Impressions of Their Own Life Experiences</td>
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<td>Hadiza Mohammed</td>
<td>Africans in Chicago</td>
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<td>Isabelle Martinez-Muniz</td>
<td>Pre-hispanic Ceramics of Peru: Symbolic Representations</td>
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<td>Nichole LeFebvre</td>
<td>A Study of Naming Practices in Jhumpa Lahiri’s The Namesake</td>
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### Monroe  Engineering, Physical Sciences and Earth Sciences

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<tr>
<td>Yisa Rumala, University of Michigan - Ann Arbor</td>
<td>Study of the H2O to CO2 Ratio in Emissions from Biomass Burning in Mexico</td>
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<td>Dakota Killpack</td>
<td>Computational Recursions for Steady State Performance Measures of Multi-Server Queues with Abandonment</td>
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<td>Keldrick Taylor</td>
<td>XRay Fluorescence Measurements of Thin Film Spectroscopy</td>
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<td>Sergio Perez</td>
<td>A Sophomore Radio Lab Class with No Prerequisites - Motivating Students to Learn More about Electromagnetics</td>
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<td>Claribel Nunez</td>
<td>Probing Chirality of Diamines by Novel CD-sensitive Dimeric Zn-porphyrin Tweezers</td>
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<td>Kamal Sabi</td>
<td>Sensing Circuit for a Rooftop Solar Photovoltaic System</td>
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### Maria Saade, University of Colorado at Boulder  2:45-4:15

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<td>Yiannis Moses</td>
<td>Synthesis of New Antibacterial Agents</td>
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<td>David Stout</td>
<td>The Impact of Substrate Topography on Cell Filopodia Extension and Cell Spreading</td>
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<td>Eric Antillon</td>
<td>A Synthesis of Best-Value Procurement Practices for Sustainable Design-Build Projects in the Public Sector</td>
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<td>Carlos Solano</td>
<td>Atomic Force Microscopy Study of Colossal Magnetoresistive Oxide Film Morphology</td>
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<td>Naja Mack</td>
<td>Enhancement of Visualization Tools for 3-D Computer Vision</td>
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<td>Shawna McLetchie</td>
<td>Land Use Effects on Airborne Microbial Abundance and their Ice Nucleating Potential in the Atmosphere</td>
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### Maria Saade, University of Colorado at Boulder  4:30-6:00

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<td>Oscar Escobedo</td>
<td>Cavitation-Induced Scission of Carbon Nanotubes</td>
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<td>Roberto Sanchez</td>
<td>Classification of Effluent Organic Matter (EfOM) in Wastewater via Polarity Fraction Analysis</td>
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<td>Kevin Stephens</td>
<td>Statistical CT and Helium-3 MR Image Analysis of the Lungs of Severe Asthma Patients</td>
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<td>Kristopher Schneider</td>
<td>Effects of Freezing on the Mechanical Properties of Fetal Membranes</td>
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<td>Elizabeth Henderson</td>
<td>Observational Evidence of Black Hole Ejection from Host Galaxies</td>
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<td>Jasmine Jones</td>
<td>Walk It Out: Using Persuasive Technology for Activity Motivation in Sedentary Adults</td>
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<td>Yisa Rumala, University of Michigan - Ann Arbor</td>
<td>Optimizing and Characterizing Gas Exchange in Spaceflight Hardware Used for Cell Culture</td>
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<td>Salvador Almanza</td>
<td>Effects of Carbon Dioxide on Rainbow Trout Larvae: Application for Invasive Fish Eradication</td>
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<td>Jason Baldes</td>
<td>Advances Toward the Synthesis of Cy3 and Cy5-based Biaxial Fluorescent Probes</td>
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<td>Angelo Bautista</td>
<td>Biochemical Studies on Interaction of Release Factor with Cognate Methyltransferase</td>
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<td>Nzingha Hooker</td>
<td>Evaluation of the Mecinus janthinus Weevil to Control Densities of Dalmation Toadflax (Linaria dalmatica) along the Colorado Front Range</td>
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<td>Jasmine Abrams</td>
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<td>Edsel Abud</td>
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<td>Mayesha Alam</td>
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<td>Anissa Alexander</td>
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<td>Salvador Almanza</td>
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Doris Alvarez 4:45 PM
Jeffersonian V
Presentation Title Examining the Role of CaMKII in Establishing the Membrane Block to Polyspermy in Mouse Eggs
Research Mentor Richard Schultz
Research Institution University of Pennsylvania
Home Institution San Jose State University
Co-Authors Paula Stein and Richard Schultz, University of Pennsylvania

Kelsey Anbuhl 2:45 PM
Jeffersonian VI
Presentation Title The Effects of Intragastric Administration of Mycobacterium vaccae on Catecholaminergic Systems in Mice
Research Mentor Christopher Lowry
Research Institution University of Colorado at Boulder
Home Institution Spring Hill College
Co-Authors Christopher Lowry and Matthew Hale, University of Colorado at Boulder

Eric Antillon 3:15 PM
Monroe
Presentation Title A Synthesis of Best-Value Procurement Practices for Sustainable Design-Build Projects in the Public Sector
Research Mentor Keith Molenaar
Research Institution University of Colorado at Boulder
Home Institution University of Colorado at Boulder
Co-Authors Keith R. Molenaar and Nathaniel J. Sobin, University of Colorado at Boulder

Esayas Araya 3:00 PM
Madison
Presentation Title The Desegregation of Georgia Tech University
Research Mentor Clayborne Carson
Research Institution Stanford University
Home Institution University of Georgia
Co-Authors Clayborne Carson, Stanford University

Lizette Arevalo 11:30 AM
Madison
Presentation Title The Privatization of Public Education in New York City during the Bloomberg Administration
Research Mentor Steve Mintz
Research Institution Columbia University
Home Institution UC Santa Barbara
Co-Authors

Yaritzy Astudillo 12:15 PM
Jeffersonian I
Presentation Title An Enzyme-coupled Ultrasensitive Assay for S-adenosylmethionine-dependent methyltransferases
Research Mentor Minkui Luo
Research Institution Weill Cornell Medical College
Home Institution SUNY Stony Brook
Co-Authors Glorymar Ibanez and Minkui Luo, Memorial Sloan-Kettering Cancer Center

Olusola Ayankola 4:45 PM
Westcot
Presentation Title Cardiac Myocytes and Fibroblasts in a Three-Dimensional Cell Culture System
Research Mentor Ulrike Mende
Research Institution Brown University
Home Institution Texas Tech University
Co-Authors Ulrike Mende and Bethany Desroches, Brown University

Natalie Azcona 11:45 AM
Hamilton
Presentation Title Eyes: The Truth behind Cooperative Behavior
Research Mentor Laurie Santos
Research Institution Yale University
Home Institution Rutgers University
Co-Authors Laurie Santos, Yale University

Jose Bachier 11:45 AM
Westcot
Presentation Title Growing Conditions Effect on Candida albican’s Colonization in G.I. Tract, in vivo
Research Mentor Carol Kumamoto
Research Institution Tufts University
Home Institution UPR-Mayaguez
Co-Authors Carol Kumamoto and Jessica V. Pierce, Tufts University School of Graduate Biomedical Science

Anthony Badami 12:00 PM
Adams
Presentation Title Authority and Legitimacy: An Examination of Undemocratic Institutions in Democratic Societies
Research Mentor Gideon Rosen
Research Institution Princeton University
Home Institution Brown University
Co-Authors Gideon Rosen, Princeton University
Student Oral Presentations by Name

Jaewon Baek 11:15 AM Hamilton
Presentation Title: Acculturation Status and Risk Behaviors Among Ethnic Minorities: The Role of Peer and Family
Research Mentor: Joanna Lee
Research Institution: University of Virginia School of Education
Home Institution: Northwestern University
Co-Authors: Joanna Lee, University of Virginia; Ryan Brown, Northwestern University

Matthew Brinkmoeller 12:00 PM Lincoln Forum
Research Mentor: Rodolfo De la Garza
Research Institution: Columbia University
Home Institution: Arizona State University
Co-Authors:

Giselle Brito 4:00 PM Jeffersonian I
Presentation Title: miR-101 Represses Neuromedin U Expression in Human Myeloid Leukemia Cells
Research Mentor: Giselle Brito
Research Institution: University of Pennsylvania
Home Institution: UPR-Mayaguez
Co-Authors: Susan E. Shetzline and Alan M. Gewirtz, Division of Hematology/Oncology, University of Pennsylvania School of Medicine

Jaclyn Bubnell 3:15 PM Jeffersonian V
Presentation Title: Using Olfactory Placode Cell Lines to Study Gene Expression of Odorant Receptor Promoters
Research Mentor: Paul Feinstein
Research Institution: Hunter College
Home Institution: Wells College
Co-Authors: Paul Feinstein, Hunter College

Zerita Buchanan 3:15 PM Jeffersonian V
Presentation Title: Analysis of Organ Morphogenesis through Shrinking of Epithelial Cell Junctions
Research Mentor: Stephen DiNardo
Research Institution: University of Pennsylvania
Home Institution: Spelman College
Co-Authors: Stephen DiNardo and Robert Simone, University of Pennsylvania

Celiah Bunsie 12:00 PM Hamilton
Presentation Title: Examining the SAAF Program Effects on Risk Behavior Reductions in Adolescents Through Parenting
Research Mentor: Velma Murry
Research Institution: Vanderbilt University
Home Institution: Georgia State University
Co-Authors: Velma Murry, Vanderbilt University; Lily Mcnair, Spelman College; Cady Berkel, Arizona State University

Arleen Barochin 12:15 PM Madison
Presentation Title: Black Male Achievement in Universities
Research Mentor: Hannah Brueckner
Research Institution: Yale University
Home Institution: Yale University
Co-Authors: Hannah Brueckner, Yale University

Angela Bautista 5:00 PM Madison
Presentation Title: Advances Toward the Synthesis of Cy3 and Cy5-based Biarsenical Fluorescent Probes
Research Mentor: Research Institution: Yale University
Home Institution: UC San Diego
Co-Authors: Alanna Schepartz and Seth Alexander, Yale University

Mikael Bjoernsen 11:15 AM Adams
Presentation Title: Water and Conflict in the Nile Basin
Research Mentor: Hugh Price
Research Institution: Princeton University
Home Institution: Morehouse College
Co-Authors: Hugh Price and Richard Hope, Princeton University

Jason Baldes 4:45 PM Madison
Presentation Title: Effects of Carbon Dioxide on Rainbow Trout Larvae: Application for Invasive Fish Eradication
Research Mentor: Jackson Gross
Research Institution: Montana State University - Bozeman
Home Institution: Montana State University - Bozeman
Co-Authors: Jackson Gross, Montana State University

Arlene Barochin 12:15 PM Madison
Presentation Title: Black Male Achievement in Universities
Research Mentor: Hannah Brueckner
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Home Institution: Yale University
Co-Authors: Hannah Brueckner, Yale University

Matthew Brinkmoeller 12:00 PM Lincoln Forum
Research Mentor: Rodolfo De la Garza
Research Institution: Columbia University
Home Institution: Arizona State University
Co-Authors:

Giselle Brito 4:00 PM Jeffersonian I
Presentation Title: miR-101 Represses Neuromedin U Expression in Human Myeloid Leukemia Cells
Research Mentor: Giselle Brito
Research Institution: University of Pennsylvania
Home Institution: UPR-Mayaguez
Co-Authors: Susan E. Shetzline and Alan M. Gewirtz, Division of Hematology/Oncology, University of Pennsylvania School of Medicine

Jaclyn Bubnell 3:15 PM Jeffersonian V
Presentation Title: Using Olfactory Placode Cell Lines to Study Gene Expression of Odorant Receptor Promoters
Research Mentor: Paul Feinstein
Research Institution: Hunter College
Home Institution: Wells College
Co-Authors: Paul Feinstein, Hunter College

Zerita Buchanan 3:15 PM Jeffersonian V
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Research Institution: University of Pennsylvania
Home Institution: Spelman College
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Celiah Bunsie 12:00 PM Hamilton
Presentation Title: Examining the SAAF Program Effects on Risk Behavior Reductions in Adolescents Through Parenting
Research Mentor: Velma Murry
Research Institution: Vanderbilt University
Home Institution: Georgia State University
Co-Authors: Velma Murry, Vanderbilt University; Lily Mcnair, Spelman College; Cady Berkel, Arizona State University

Arleen Barochin 12:15 PM Madison
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Research Mentor: Hannah Brueckner
Research Institution: Yale University
Home Institution: Yale University
Co-Authors: Hannah Brueckner, Yale University

Angela Bautista 5:00 PM Madison
Presentation Title: Advances Toward the Synthesis of Cy3 and Cy5-based Biarsenical Fluorescent Probes
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Home Institution: UC San Diego
Co-Authors: Alanna Schepartz and Seth Alexander, Yale University

Mikael Bjoernsen 11:15 AM Adams
Presentation Title: Water and Conflict in the Nile Basin
Research Mentor: Hugh Price
Research Institution: Princeton University
Home Institution: Morehouse College
Co-Authors: Hugh Price and Richard Hope, Princeton University
Danielle Busby 2:45 PM  
*Lincoln Forum*  
**Presentation Title** Effects of Exposure to Colorblind Ideology on Depression among African Americans  
**Research Mentor** Nicole Shelton  
**Research Institution** Princeton University  
**Home Institution** University of Michigan-Ann Arbor  
**Co-Authors** Nicole Shelton, Princeton University

Nitzy Bustamante 3:00 PM  
*Westcot*  
**Presentation Title** Effects of Beta-Glucan Exposure on Hippocampal Microglial Activation  
**Research Mentor** Cheryl Harding  
**Research Institution** Hunter College  
**Home Institution** Franklin and Marshall College  
**Co-Authors** Cheryl Harding and Austen Gess, Hunter College

Maureen Byrne 5:00 PM  
*Jeffersonian I*  
**Presentation Title** The Apoptotic Effects of MPP on Human SH-SY5Y and SK-N-MC Neuroblastoma Cells and Blocking MPP Induced Cell Death  
**Research Mentor** Shirzad Jenab  
**Research Institution** Hunter College  
**Home Institution** Vassar College  
**Co-Authors** Shirzad Jenab, Hunter College

Ariana Calderon Pagan 5:30 PM  
*Madison*  
**Presentation Title** Evaluation of the Mecinus janthinus Weevil to Control Densities of Dalmation Toadflax (Linaria dalmatica) along the Colorado Front Range  
**Research Mentor** Timothy Seastedt  
**Research Institution** University of Colorado at Boulder  
**Home Institution** University of Puerto Rico Arecibo  
**Co-Authors** Timothy Seastedt and David Knochel, University of Colorado at Boulder

Rashida Callender 5:30 PM  
*Jeffersonian VI*  
**Presentation Title** A Study of the D-domain of ephrin B3 Receptors  
**Research Mentor** Matthew Dalva  
**Research Institution** University of Pennsylvania  
**Home Institution** Massachusetts Institute of Technology  
**Co-Authors** Martin Hruska and Matthew Dalva, University of Pennsylvania

Daisy Camacho 4:45 PM  
*Adams*  
**Presentation Title** Diversity and Privilege: Exploring Socio-Cultural Empathy among College Women Mentors  
**Research Mentor** Nancy Deutsch  
**Research Institution** University of Virginia School of Education  
**Home Institution** DePaul University  
**Co-Authors** Nancy Deutsch, University of Virginia

John Campbell 11:45 AM  
*Jeffersonian II*  
**Presentation Title** Interaction between the Transcription Factor mouse Vezf1 and RhoB as it relates to Vascular System Development  
**Research Mentor** Heidi Stuhlmann  
**Research Institution** Weill Cornell Medical College  
**Home Institution** North Carolina State University  
**Co-Authors** Heidi Stuhlmann and Pauline Ocaya, Weill Cornell Medical College

Shellese Cannonier 11:45 AM  
*Jeffersonian V*  
**Presentation Title** Nuclear Receptors Identified in Migratory Cells of Drosophila Egg Chambers  
**Research Mentor** Michelle Starz-Gaiano  
**Research Institution** University of Maryland, Baltimore County  
**Home Institution** University of the Virgin Islands  
**Co-Authors** Michelle Starz-Gaiano, University of Maryland, Baltimore County

Stephanie Chan 12:00 PM  
*Jeffersonian V*  
**Presentation Title** Roles of Glial Neurotransmitter Transporters in Drosophila Courtship Behavior  
**Research Mentor** Rob Jackson  
**Research Institution** Tufts University  
**Home Institution** University of Maryland, Baltimore County  
**Co-Authors** Fanny Ng and F. Rob Jackson, Tufts University
Jose Collazo Jr. 4:45 PM
Lincoln Forum
Presentation Title Tourism Impact on the Southern Mexican States' Indigenous Communities
Research Mentor Ronald Mize
Research Institution Cornell University
Home Institution CSU Dominguez Hills
Co-Authors Ronald Mize, Cornell University

Stacie Collins 3:15 PM
Lincoln Forum
Presentation Title Effects and Implications of Alcohol Abuse on Schizophrenia
Research Mentor William Lawson
Research Institution Howard University
Home Institution Howard University
Co-Authors William Lawson and Guilene Kraft, Howard University Hospital

Ashley Conoway 11:15 AM
Jeffersonian VI
Presentation Title Therapeutic Measures To Prevent Long Term Effects Of Fetal Alcohol Exposure
Research Mentor Suzanne De La Monte
Research Institution Brown University
Home Institution Xavier University of Louisiana
Co-Authors Suzanne de la Monte, Liver Research Center, Brown University

Paige Cooper 11:45 AM
Jeffersonian VI
Presentation Title The Role of FoxM1 Transcription Factor in Beta-cell Mass Regulation During Pregnancy
Research Mentor Maureen Gannon
Research Institution Vanderbilt University
Home Institution Spelman College
Co-Authors Maureen Gannon, Jia Zhang and Christine Pope, Vanderbilt University

Joel Crespo 12:15 PM
Jeffersonian VI
Presentation Title Modulation of Rac-1 GTPase by PKC delta, PKC alpha, and SHP2 in Lung Endothelium
Research Mentor Elizabeth Harrington
Research Institution Brown University
Home Institution UPR-Rio Piedras
Co-Authors Elizabeth Harrington and Katie Grinnell, Brown University/Providence VA Medical Center

Stephanie Cruz 11:15 AM
Jeffersonian V
Presentation Title The Fragile X Protein (dFMR1) Interacts with the RNA Editing Enzyme ADAR in Drosophila
Research Mentor Thomas Jongens
Research Institution University of Pennsylvania
Home Institution SUNY Binghamton
Co-Authors Tom Jongens and Balpreet Bhogal, University of Pennsylvania

Carla Cuylear 3:30 PM
Westcot
Presentation Title Characterization of APOBEC3A Mutants
Research Mentor Nathaniel Landau
Research Institution New York University Sackler Institute
Home Institution University of New Mexico
Co-Authors Nathaniel Landau and Eric Logue, New York University

Husain Danish 5:30 PM
Jeffersonian IV
Presentation Title Homeostasis of Monocyte Populations at the Maternal-Fetal Interface
Research Mentor Adrian Erlebacher
Research Institution New York University Sackler Institute
Home Institution Johns Hopkins University
Co-Authors Adrian Erlebacher and Elisa Tagliani, New York University

Alexandra De la Rosa 4:45 PM
Jeffersonian II
Presentation Title Treatment Adherence and Health-Related Quality of Life in Type 2 Diabetes Patients
Research Mentor Wen-Chih Hank Wu
Research Institution Brown University
Home Institution University of Illinois at Chicago
Co-Authors Wen-Chih Wu, Providence Veterans' Affairs Medical Center

Diego De Panis 4:30 PM
Jeffersonian I
Presentation Title Generation of a Stable GCN2-/- Cell Line
Research Mentor Constantinos Koumenis
Research Institution University of Pennsylvania
Home Institution University of Buenos Aires
Co-Authors Constantinos Koumenis and Jianbin Ye, University of Pennsylvania
Jewell Debnam

Presentation Title (De)Valuing Other Truths: Harvard’s Struggle to Diversify Its Community and Curriculum in the Mid to Late 20th Century
Research Mentor Judith Singer
Research Institution Harvard University
Home Institution University of Virginia
Co-Authors Judith Singer, Harvard University

Isabelle Dortonne

Presentation Title The Role of T-bet and Eomesodermin in Natural Killer Cell Development
Research Mentor Barbara L. Kee
Research Institution University of Chicago
Home Institution Harvard University
Co-Authors Kevin Ramirez and Barbara L. Kee, University of Chicago

Allison Diamond

Presentation Title Connecting Memory and Fragile X Syndrome: An Analysis of PKM-zeta and FMRP in Hippocampal Neurons
Research Mentor Jason Dictenberg
Research Institution Hunter College
Home Institution Wesleyan University
Co-Authors Jason Dictenberg, Hunter College

Kiara Drake

Presentation Title Legalized Discrimination in the Land of Liberty
Research Mentor Jon Butler
Research Institution Yale University
Home Institution Claflin University
Co-Authors Jon Butler, Yale University

Natalia Diaz

Presentation Title Characterization of Putative Members of the Vg1 RNP Localization Complex
Research Mentor Kimberly Mowry
Research Institution Brown University
Home Institution UPR-Rio Piedras
Co-Authors Kimberly Mowry and Timothy Wood, Brown University

Kiara Drummond

Presentation Title Talking Black versus “Talking White”: The Achievement Gap and Standardized Testing
Research Mentor Angel Harris
Research Institution Princeton University
Home Institution Claflin University
Co-Authors Angel Harris, Princeton University

Maria Diaz Bessone

Presentation Title Characterizing the Mouse hdl gene and Human Homologue in vitro and in vivo
Research Mentor Ioannis M. Stylianou
Research Institution University of Pennsylvania
Home Institution University of Buenos Aires
Co-Authors Daniel J. Rader and Ioannis M. Stylianou, University of Pennsylvania, School of Medicine Institute for Translational Medicine and Therapeutics

Dafne Duchesne

Presentation Title “Disappeared” Subjects and “Reappeared” Texts: Testimony in Martin Kohan’s Museo de la Revolucion
Research Mentor Priscilla Meléndez
Research Institution Yale University
Home Institution UPR-Rio Piedras
Co-Authors Priscilla Meléndez, Reginald Jackson and Pamela Schirmeister, Yale University

Nwamaka Dike

Presentation Title Characterization of PHIST Domain Protein Localization and Interaction in Plasmodium falciparum
Research Mentor Thomas Templeton
Research Institution Weill Cornell Medical College
Home Institution University of Maryland, Baltimore County
Co-Authors Thomas Templeton and Cristina Moreira, Weill Cornell Medical College Department of Microbiology and Immunology

Amber Dukes

Presentation Title Is Causing Harm Wrongful? Or is a Harmful Wrong Causal?
Research Mentor Robert Kurzban
Research Institution University of Pennsylvania
Home Institution University of Central Florida
Co-Authors Robert Kurzban and Peter DeScioli, University of Pennsylvania
<table>
<thead>
<tr>
<th>Name</th>
<th>Time</th>
<th>Location</th>
<th>Presentation Title</th>
<th>Research Mentor</th>
<th>Research Institution</th>
<th>Home Institution</th>
<th>Co-Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lauren Eldridge</td>
<td>5:15 PM</td>
<td>Hamilton</td>
<td>One Musician, Two Masters: The Division of Sacred and Secular in a Chicago AME Church</td>
<td>Melvin Butler</td>
<td>University of Chicago</td>
<td>Spelman College</td>
<td>Melvin Butler, University of Chicago</td>
</tr>
<tr>
<td>Oscar Escobedo</td>
<td>4:30 PM</td>
<td>Monroe</td>
<td>Cavitation-Induced Scission of Carbon Nanotubes</td>
<td>Kyung-Suk Kim</td>
<td>Brown University</td>
<td>Stanford University</td>
<td>Kyung-Suk Kim, Brown University</td>
</tr>
<tr>
<td>Michael Espero</td>
<td>3:00 PM</td>
<td>Adams</td>
<td>The Fatherless Minority: The Barriers To Higher Education For An Ethnically Heterogeneous Population</td>
<td>Linda Beardsley</td>
<td>Tufts University Medford</td>
<td>San Jose State University</td>
<td>Linda Beardsley, Tufts University</td>
</tr>
<tr>
<td>Lydia Everhart</td>
<td>4:30 PM</td>
<td>Westcot</td>
<td>Analyzing the Invasive Behavior of Fibrosarcoma Tumor Cells Using 3-Dimensional Matrices</td>
<td>Mike Schwartz</td>
<td>University of Colorado at Boulder</td>
<td>University of Colorado at Boulder</td>
<td>Mike Schwartz and Robert Rogers, University of Colorado at Boulder</td>
</tr>
<tr>
<td>Casuallen Fale</td>
<td>5:00 PM</td>
<td>Lincoln Forum</td>
<td>Malama’aina for a Sustainable Future: Recent Developments Concerning Material Usage and Waste on the Island of Oahu, Hawaii</td>
<td>Marian Chertow</td>
<td>Yale University</td>
<td>Chaminade University of Honolulu</td>
<td>Marian Chertow, Yale School of Forestry &amp; Environmental Studies</td>
</tr>
<tr>
<td>Ope Fawole</td>
<td>5:30 PM</td>
<td>Jeffersonian II</td>
<td>Identifying RNA Partners of Runx Transcription Factors in T Cells</td>
<td>Dan Littman</td>
<td>New York University Sackler Institute</td>
<td>University of Georgia</td>
<td>Dan Littman and Ivana Djuretic, New York University</td>
</tr>
<tr>
<td>Phillip Fitzgerald</td>
<td>4:30 PM</td>
<td>Jeffersonian IV</td>
<td>Implication of Rab27a in Dendritic Cell trans-Enhancement of CD4+ T cell HIV-1 Infection</td>
<td>Dan Littman</td>
<td>New York University Sackler Institute</td>
<td>University of Maryland, Baltimore County</td>
<td>Mickael Menager and Dan R. Littman, New York University School of Medicine, Skirball Institute of Biomolecular Medicine</td>
</tr>
<tr>
<td>Kimeya Ghaderi</td>
<td>5:00 PM</td>
<td>Westcot</td>
<td>Analysis of Cardiac Development in Mutant Zebrafish</td>
<td>Gordon Huggins</td>
<td>Tufts University</td>
<td>University of Maryland, Baltimore County</td>
<td>Sarah Greytak and Gordon Huggins, Tufts University</td>
</tr>
<tr>
<td>Derik Goatson</td>
<td>12:00 PM</td>
<td>Madison</td>
<td>On Multicultural Education: Native American Studies in the Academy</td>
<td>Dennis Norman</td>
<td>Harvard University</td>
<td>Brigham Young University</td>
<td>Dennis Norman, Harvard University</td>
</tr>
<tr>
<td>Name</td>
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<td>Research Mentor</td>
<td>Research Institution</td>
<td>Home Institution</td>
<td>Co-Authors</td>
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<tr>
<td>Anabel Gonzalez Gil</td>
<td>3:45 PM</td>
<td>Westcot</td>
<td>Generating a Calcium Sensor to Measure Calcium within the Sarcoplasmic Reticulum of Skeletal Muscle Cells</td>
<td>Amy Palmer</td>
<td>University of Colorado at Boulder</td>
<td>Florida International University</td>
<td>Amy Palmer and Jose Miranda, University of Colorado at Boulder</td>
</tr>
<tr>
<td>Raven Harris</td>
<td>3:00 PM</td>
<td>Jeffersonian VI</td>
<td>Effects of Semaphorin 6d on the Outgrowth of Retinal Ganglion Cells during Development of the Optic Chiasm in the Mouse Visual System</td>
<td>Carol Mason</td>
<td>Columbia University</td>
<td>Haverford College</td>
<td>Carol Mason and Takaaki Kuwajima, Columbia University</td>
</tr>
<tr>
<td>Brittany Harrison</td>
<td>11:15 AM</td>
<td>Madison</td>
<td>Environment or Opportunity: African American Choice and the Pursuit of Higher Education</td>
<td>Karen Jackson-Weaver</td>
<td>Princeton University</td>
<td>University of Maryland, College Park</td>
<td>Angel L. Harris, Princeton University</td>
</tr>
<tr>
<td>Elizabeth Henderson</td>
<td>5:30 PM</td>
<td>Monroe</td>
<td>Observational Evidence of Black Hole Ejection from Host Galaxies</td>
<td>Eva Hernando-Monge</td>
<td>New York University Sackler Institute</td>
<td>University of Georgia</td>
<td>Eva Hernando-Monge and Avital Gaziels, New York University</td>
</tr>
<tr>
<td>Rafael Hernandez</td>
<td>3:45 PM</td>
<td>Jeffersonian III</td>
<td>A Method for Identifying Novel TREK-1 Modulators</td>
<td>Richard Robinson</td>
<td>Columbia University</td>
<td>University of Miami</td>
<td>Richard Robinson, Lev Protas and Steven Feinmark, Columbia University Medical Center</td>
</tr>
<tr>
<td>Gloria Herrera</td>
<td>12:30 PM</td>
<td>Jeffersonian II</td>
<td>Negative Regulation of Interleukin-2 Expression by B-cell leukemia-3</td>
<td>Youhai Chen</td>
<td>University of Pennsylvania</td>
<td>University of Texas at El Paso</td>
<td>Scott Palmer and Youhai H. Chen, University of Pennsylvania</td>
</tr>
<tr>
<td>Marlen Herrera-Rojas</td>
<td>11:15 AM</td>
<td>Jeffersonian II</td>
<td>Interaction between NusGF165 and Specific Transcription Factors in E.coli</td>
<td>Max Gottesman</td>
<td>Columbia University</td>
<td>Lehman College, CUNY</td>
<td>Max Gottesman, Columbia University College of Physicians and Surgeons</td>
</tr>
<tr>
<td>Alisha Hines</td>
<td>12:30 PM</td>
<td>Madison</td>
<td>The Reconstruction of Ideas about Public Education in Chicago, 1915-1955</td>
<td>Tera Hunter</td>
<td>Princeton University</td>
<td>University of Chicago</td>
<td>Tera Hunter, Princeton University</td>
</tr>
<tr>
<td>Marcus Hines</td>
<td>12:30 PM</td>
<td>Jeffersonian IV</td>
<td>Determining the Ubiquitin-ligase of MITF-M in Melanoma Cells</td>
<td>Eva Hernando-Monge</td>
<td>New York University Sackler Institute</td>
<td>University of Georgia</td>
<td>Eva Hernando-Monge and Avital Gaziels, New York University</td>
</tr>
</tbody>
</table>
Student Oral Presentations by Name

Nzingha Hooker 5:15 PM Madison
Presentation Title Biochemical Studies on Interaction of Release Factor with Cognate Methyltransferase
Research Mentor Ruben Gonzalez
Research Institution Columbia University
Home Institution Claflin University
Co-Authors Dileep Pulukkunat and Ruben Gonzalez, Columbia University

Alton Johnson 12:30 PM Westcot
Presentation Title Identification of Novel HPV16 Binding Proteins using DNA Affinity Purification
Research Mentor Jianxin You
Research Institution University of Pennsylvania
Home Institution Barry University
Co-Authors Jianxin You, Junpeng Yan and Qing Li, University of Pennsylvania

Clare Howard 3:00 PM Jeffersonian I
Presentation Title Developmental Gene Expression in Cortical Interneurons Derived from the Caudal Ganglionic Eminence
Research Mentor Gordon Fishell
Research Institution New York University Sackler Institute
Home Institution Amherst College
Co-Authors Gordon Fishell and Melissa McKenzie, New York University

Artisha Johnson 3:15 PM Jeffersonian III
Presentation Title Identification of the Fed Snake Serum Response Element (FSSRE) of the Rat Aquaporin 7 Promoter
Research Mentor Leslie Leinwand
Research Institution University of Colorado at Boulder
Home Institution Norfolk State University
Co-Authors Stephen Langer and Leslie Leinwand, University of Colorado at Boulder

Benedict Ifedi 5:15 PM Jeffersonian VI
Presentation Title Ligand Binding Specificity of the Lysine Riboswitch
Research Mentor Robert Batey
Research Institution University of Colorado at Boulder
Home Institution University of Houston
Co-Authors Robert Batey, Andrew Garst and James Johnson, University of Colorado at Boulder

Cameron Johnson 12:00 PM Jeffersonian VI
Presentation Title Hormonal Regulation of Pigment Epithelium-Derived Factor in Growth Control of the Endometrium
Research Mentor Leslie Gold
Research Institution New York University Sackler Institute
Home Institution University of Maryland, Baltimore County
Co-Authors Leslie Gold and Kuang Tzu Huang, New York University

Destin Jenkins 4:30 PM Washingtonian III
Presentation Title Coastal Warning: African American Response to the “Rising Tide of Color,” 1900-1930
Research Mentor Tera Hunter
Research Institution Princeton University
Home Institution Columbia University
Co-Authors Tera Hunter, Princeton University; Eric Foner, Columbia University

Whitney Johnson 2:45 PM Hamilton
Presentation Title Soul Making: Identity and Individuality in Appiah’s “The Ethics of Identity”
Research Mentor Gideon Rosen
Research Institution Princeton University
Home Institution University of Georgia
Co-Authors Gideon Rosen, Princeton University

Lacey Jewett 3:30 PM Hamilton
Presentation Title Ask the Men: A View of Sexual Health Through the Eyes of American Indian Men
Research Mentor Elizabeth Rink
Research Institution Montana State University -Bozeman
Home Institution Montana State University -Bozeman
Co-Authors Elizabeth Rink, Montana State University Bozeman

Jasmine Jones 5:45 PM Monroe
Presentation Title Walk It Out: Using Persuasive Technology for Activity Motivation in Sedentary Adults
Research Mentor Katie Siek
Research Institution University of Colorado at Boulder
Home Institution University of Maryland, Baltimore County
Co-Authors Katie Siek, University of Colorado at Boulder
Almas Khan 3:15 PM
Jeffersonian VI
Presentation Title Investigation of Bestrophin Expression Level Across the Retina
Research Mentor
Research Institution University of Pennsylvania
Home Institution University of Miami
Co-Authors Karina Guziewicz, Gustavo Aguirre and Barbara Zangerl, University of Pennsylvania

Ari Koslow 3:00 PM
Hamilton
Presentation Title Personal Identity, Armchairs and Intuitions
Research Mentor Tamar Gendler
Research Institution Yale University
Home Institution Yale University
Co-Authors Tamar Szabo Gendler, Yale University

Hina Khan 5:15 PM
Jeffersonian III
Presentation Title Selenocysteine in Archaea
Research Mentor Dieter Soll
Research Institution Yale University
Home Institution Rutgers University
Co-Authors Dieter Soll and Dan Su, Yale University

Ekaterina Khramtsova 4:00 PM
Jeffersonian V
Presentation Title Role for Histone Deacetylase in RNA Polymerase II Phosphorylation
Research Mentor David Levy
Research Institution New York University Sackler Institute
Home Institution University of Illinois at Chicago
Co-Authors David Levy and Isabelle Marie, New York University

Maung-Tin Htoo Kyaw 4:45 PM
Jeffersonian I
Presentation Title Osteopontin Silencing by Small Interfering RNA Regulates Biomineralization in vitro C3H10T1/2 Murine Mesenchymal Cells Micromass Culture
Research Mentor Adele Boskey
Research Institution Saint John's University
Co-Authors Rani Roy and Adele Boskey, Hospital For Special Surgery

Nichole LeFebvre 5:30 PM
Washingtonian II
Presentation Title A Study of Naming Practices in Jhumpa Lahiri's The Namesake
Research Mentor Nichole LeFebvre
Research Institution Columbia University
Home Institution Pace University at New York City
Co-Authors

Dakota Killpack 11:30 AM
Monroe
Presentation Title Computational Recursions for Steady State Performance Measures of Multi-Server Queues with Abandonment
Research Mentor
Research Institution Princeton University
Home Institution Rutgers University
Co-Authors William Massey, Princeton University

Nichole LeFebvre 5:00 PM
Washingtonian II
Presentation Title A Study of Naming Practices in Jhumpa Lahiri's The Namesake
Research Mentor Nichole LeFebvre
Research Institution Columbia University
Home Institution Pace University at New York City
Co-Authors

Antionette Knox 5:15 PM
Jeffersonian I
Presentation Title Effect of the YY1 REPO Domain Peptide on Cell Growth and Apoptosis
Research Mentor Michael Atchison
Research Institution University of Pennsylvania
Home Institution Tuskegee University
Co-Authors Michael Atchison, University of Pennsylvania

Joel Levin 3:30 PM
Jeffersonian III
Presentation Title Identification of the Hunchback Repressive Domain
Research Mentor Morshed Mahboob
Research Institution Weill Cornell Medical College
Home Institution Emory University
Co-Authors Morshed Mahboob and Yutaka Nibu, Weill Cornell Medical College

Walter Lewis 3:30 PM
Jeffersonian II
Presentation Title Natural Selection of Gene Linkage to Suppress Somatic Cell Evolution
Research Mentor Carlo Maley
Research Institution University of Pennsylvania
Home Institution Cheyney University of Pennsylvania
Co-Authors Carlo Maley, Wistar Institute
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<th>Research Mentor</th>
<th>Research Institution</th>
<th>Home Institution</th>
<th>Co-Authors</th>
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<tr>
<td>Max Liu</td>
<td>12:30 PM</td>
<td>Jeffersonian I</td>
<td>Isolation and Characterization of Beta Keratin in Avian Feathers</td>
<td>Lynne Regan</td>
<td>Yale University</td>
<td>Duke University</td>
<td>Lynne Regan, Richard O. Prum and Eric R. Dufresne, Yale University</td>
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<td>Jose Lumbreras</td>
<td>11:15 AM</td>
<td>Lincoln Forum</td>
<td>The Role of Neighborhoods in the Immigrant Paradox: First Generation Immigrant Youth Outperforming Native-Born Youth in Academics</td>
<td>Cynthia Garcia-Coll</td>
<td>Brown University</td>
<td>UC Santa Barbara</td>
<td>Cynthia Garcia-Coll, Brown University; Amy Marks, Suffolk University; Flannery Patton, Brown University</td>
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<td>Jose Llongueras</td>
<td>2:45 PM</td>
<td>Westcot</td>
<td>Functions of Small Non-coding RNAs in Motor Neuron Formation and Spinal Cord Injury Recovery</td>
<td>Jose Pablo Llongueras</td>
<td>Weill Cornell Medical College</td>
<td>University of Texas at Brownsville</td>
<td>Tao Sun and Gaizka Otaegui, Weill Cornell Medical College</td>
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<td>Alejandro Lopez</td>
<td>3:30 PM</td>
<td>Jeffersonian VI</td>
<td>Image Analysis of Interneuron Migration in Developing Mammalian Brain</td>
<td>Research Mentor: Weill Cornell Medical College</td>
<td>University of Texas at Brownsville</td>
<td>Co-Authors Songhai Shi and Keith Brown, Memorial Sloan-Kettering Cancer Center</td>
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<td>Elizabeth Louis</td>
<td>5:00 PM</td>
<td>Washingtonian III</td>
<td>How Cultural Models Affect our Interpretations of Ourselves and Others</td>
<td>Hazel Markus</td>
<td>Stanford University</td>
<td>Mesa State College</td>
<td>Hazel Markus, Stanford University</td>
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<td>Marisol Lozano Roman</td>
<td>2:45 PM</td>
<td>Jeffersonian IV</td>
<td>Effects of Electric and Magnetic Fields on Neutrophils</td>
<td>Research Mentor: Frank Barnes</td>
<td>University of Colorado at Boulder</td>
<td>Co-Authors Frank Barnes and Lucas Portelli, University of Colorado at Boulder</td>
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<td>Nadeau Lyn</td>
<td>12:30 PM</td>
<td>Jeffersonian V</td>
<td>Validation of Galanin as a Marker for GnRH Neurons</td>
<td>Pei-San Tsai</td>
<td>York University Sackler Institute</td>
<td>Towson State University</td>
<td>Pei-San Tsai and Wilson Chung, University of Colorado at Boulder</td>
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<td>Ethan Mack</td>
<td>5:00 PM</td>
<td>Jeffersonian V</td>
<td>Modulation of HIV-1 Envelope gp120 Antigenicity by Formation of gp120-Monoclonal Antibody Immune Complexes</td>
<td>Catarina Hioe</td>
<td>New York University Sackler Institute</td>
<td>Brown University</td>
<td>Catarina E. Hioe, Michael Tuen and Maria Luisa Visciano, New York University and VA New York Harbor Healthcare System</td>
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<td>Naja Mack</td>
<td>3:45 PM</td>
<td>Monroe</td>
<td>Enhancement of Visualization Tools for 3-D Computer Vision</td>
<td>Research Mentor: Joseph Mundy</td>
<td>Claflin University</td>
<td>Brown University</td>
<td>Isabel Restrepo, Brown University</td>
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<td>Raul Martinez</td>
<td>5:30 PM</td>
<td>Jeffersonian II</td>
<td>Genomic Variation in Candidate Genes for Autism</td>
<td>Research Mentor: Anjali Rajadhyaksha</td>
<td>Stonehill College</td>
<td>Brown University</td>
<td>Anjali Rajadhyaksha and Barry Kosofsky, Weill Cornell Medical College</td>
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Isabelle Martinez-Muniz 5:15 PM
Washingtonian II
Presentation Title Pre-hispanic Ceramics of Perú: Symbolic Representations
Research Mentor Frederic Gleach
Research Institution Cornell University
Home Institution UPR-Rio Piedras
Co-Authors Frederic Gleach, Cornell University

Tyler Matlock 11:45 AM
Jeffersonian I
Presentation Title The Effect of Step Width on Balance during Running
Research Mentor Alaa Ahmed
Research Institution University of Colorado at Boulder
Home Institution University of Colorado at Boulder
Co-Authors Alaa Ahmed, University Of Colorado at Boulder

Shawna McLetchie 4:00 PM
Monroe
Presentation Title Land Use Effects on Airborne Microbial Abundance and their Ice Nucleating Potential in the Atmosphere
Research Mentor Noah Fierer
Research Institution University of Colorado at Boulder
Home Institution Hanover College
Co-Authors Robert Bowers and Noah Fierer, University of Colorado at Boulder

Jacquelyn McRae 3:30 PM
Jeffersonian IV
Presentation Title The Effect of Minocycline on CD4+ T Cell Activation Signaling
Research Mentor Christine Zink
Research Institution Johns Hopkins University
Home Institution Norfolk State University
Co-Authors Christine Zink, Janice Clements and Greg Szeto, Johns Hopkins University

Olivia Mesoras 3:45 PM
Lincoln Forum
Presentation Title Cholinergic Effects on Prepulse Inhibition of the Goldfish Startle Escape Response
Research Mentor Thomas Preuss
Research Institution Hunter College
Home Institution Allegheny College
Co-Authors Thomas Preuss and Heike Neumeister, Hunter College

Biruk Mikru 12:00 PM
Jeffersonian III
Presentation Title Synthesis of Nicotinamide Riboside and Derivatives to Characterize Feedback Regulation of Mycobacterium tuberculosis Nicotinamidase/ Pyrazinamidase.
Research Mentor Anthony Sauve
Research Institution Weill Cornell Graduate School
Home Institution Virginia Polytechnic Institute and State University
Co-Authors Anthony A. Sauve, Weill Cornell Medical College; Eleanor Allen, Weill Cornell Graduate School

Tiffany Miller 12:15 PM
Lincoln Forum
Presentation Title A Comparison Between West African Tribes and Latin American Tribes Prior to Colonization
Research Mentor Karen Weaver
Research Institution Princeton University
Home Institution Claflin University
Co-Authors Karen Weaver, Princeton University

Kelly Minor 11:45 AM
Madison
Presentation Title Academic Expectations and Values among Low-Income Youth: Exploring Differences by Achievement Level
Research Mentor Joanna Lee
Research Institution University of Virginia School of Education
Home Institution Georgia State University
Co-Authors Joanna Lee, University of Virginia

Mariela Mitre 3:45 PM
Jeffersonian VI
Presentation Title A Role for GSK3 in NRG1-dependent Signaling in Schwann Cells
Research Mentor James Salzer
Research Institution New York University Sackler Institute
Home Institution Cooper Union
Co-Authors Bradley Heller and James Salzer, New York University

Hadiza Mohammed 5:00 PM
Washingtonian II
Presentation Title Africans in Chicago
Research Mentor Emily Osborn
Research Institution University of Chicago
Home Institution Brown University
Co-Authors Emily Lynn Osborn, Emily Lord Fransee and Kathleen McDougall, University of Chicago
Juan Molina 3:00 PM
*Lincoln Forum*
**Presentation Title** Biological Correlates of Socially Induced State Anxiety
**Research Mentor** B.J. Casey
**Research Institution** Weill Cornell Graduate School
**Home Institution** Florida International University
**Co-Authors** B.J. Casey and Leah H. Somerville, Weill Cornell Medical College; Rebecca M. Jones, Weill Cornell Graduate School

Jeanita Moore 12:00 PM
*Jeffersonian I*
**Presentation Title** Primary Care Delivery to Veterans with Chronic Mental Health Issues
**Research Mentor** Paul Pirraglia
**Research Institution** Brown University
**Home Institution** University of Illinois at Urbana-Champaign
**Co-Authors** Paul Pirraglia, Brown University

Mabel Mora 12:00 PM
*Westcot*
**Presentation Title** Effects of H. Pylori Eradication on Ghrelin and GOAT Levels
**Research Mentor** Dr. Martin Blaser
**Research Institution** New York University Sackler Institute
**Home Institution** Dillard University
**Co-Authors** Martin Blaser and Shingo Yaminishi, New York University

Joel Morales 4:00 PM
*Jeffersonian II*
**Presentation Title** Assessing TCR-alpha Gene Locus Control Region Activity in Cultured T-cells
**Research Mentor** Benjamin Ortiz
**Research Institution** Hunter College
**Home Institution** UPR-Humacao
**Co-Authors** Benjamin D. Ortiz and Armin Lahiji, Hunter College

Yiannis Moses 2:45 PM
*Monroe*
**Presentation Title** Synthesis of New Antibacterial Agents
**Research Mentor** Tarek Sammakia
**Research Institution** University of Colorado at Boulder
**Home Institution** University of Chicago
**Co-Authors** Tarek Sammakia, University of Colorado at Boulder

Marissa Mounts 5:30 PM
*Lincoln Forum*
**Presentation Title** Which Developmental Skills Assessed in Preschool Predict Kindergarten Math Abilities?
**Research Mentor** David Grissmer
**Research Institution** University of Virginia School of Education
**Home Institution** North Greenville University
**Co-Authors** David Grissmer, University of Virginia

Waldoi Mukhtar 3:30 PM
*Madison*
**Presentation Title** Fairness and the Jigsaw Classroom
**Research Mentor**
**Research Institution** Howard University
**Home Institution** Morgan State University
**Co-Authors** Angela Cole, Howard University

Brandon Murray 3:30 PM
*Lincoln Forum*
**Presentation Title** Flexible Decision Making Corresponds with Behavioral Response in Rhesus Macaques
**Research Mentor** Vincent Ferrera
**Research Institution** Columbia University
**Home Institution** Morehouse College
**Co-Authors** Vincent P. Ferrera, Tobias Teichert and Dian Yu, Columbia University

Muktha Natrajan 5:45 PM
*Jeffersonian II*
**Presentation Title** Induction of Toll-Like Receptor 9 through CpG Addition as a Method for Treating Alzheimer’s Disease
**Research Mentor** Thomas Wisniewski
**Research Institution** New York University Sackler Institute
**Home Institution** University of Georgia
**Co-Authors** Thomas Wisniewski and Henrieta Scholtzova, New York University

Bertheleau Ngakam 3:00 PM
*Jeffersonian II*
**Presentation Title** A Genetic Screen for Arf-1 Mutants that Disrupt a Specific Pathway in Saccaromyces Cerevisiae.
**Research Mentor** Chris Fromme
**Research Institution** Cornell University
**Home Institution** Cornell University
**Co-Authors** Chris Fromme, Cornell University
Mary Nguyen 4:00 PM
*Hamilton*
Presentation Title* The AP Challenge: Student Self-Perceptions and Learning Experiences After an Intervention Program at the University of Virginia*
Research Mentor* Carolyn Callahan*
Research Institution* University of Virginia School of Education*
Home Institution* University of Virginia*
Co-Authors* Carolyn Callahan and Holly Hertberg-Davis, University of Virginia*

Dana Nickson 4:00 PM
*Adams*
Presentation Title* Reverberations and Reflections: A Case Study of The Philadelphia Freedom Schools*
Research Mentor* Dana Nickson*
Research Institution* Howard University*
Home Institution* Northwestern University*
Co-Authors* Gregory Carr, Howard University*

Bahawa Nimaga 3:30 PM
*Jeffersonian I*
Presentation Title* The Goldilocks Effect: Identifying the Mechanism(s) by Which O-GlcNAc Regulates the Expression of OGT and O-GlcNAcase in Response to Changes in Cellular State*
Research Mentor* Natasha Zachara*
Research Institution* Johns Hopkins University*
Home Institution* UC San Diego*
Co-Authors* Natasha E. Zachara, Johns Hopkins University*

Rene Norman 5:45 PM
*Jeffersonian VI*
Presentation Title* Factors that Play a Role in Junin Viral Tropism*
Research Mentor* Susan Ross*
Research Institution* University of Pennsylvania*
Home Institution* Cedar Crest College*
Co-Authors* Lavanya Madakasira and Susan Ross, University of Pennsylvania*

Clariibel Nunez 12:15 PM
*Monroe*
Presentation Title* Probing Chirality of Diamines by Novel CD-sensitive Dimeric Zn-porphyrin Tweezers*
Research Mentor* Nina Berova*
Research Institution* Columbia University*
Home Institution* Brooklyn College CUNY*
Co-Authors* Ana G. Petrovic and Nina Berova, Columbia University; Tommaso Caroffigio, Universita di Padova*

Farhan Nuruzzaman 5:45 PM
*Westcot*
Presentation Title* The Role of PKMzeta in Mormyrid Fish*
Research Mentor* Peter Moller*
Research Institution* Hunter College*
Home Institution* Cornell University*
Co-Authors* Peter Moller, Hunter College*

Shannon O’Neal 5:00 PM
*Jeffersonian III*
Presentation Title* Activation of Dendritic Cells by Plasmodium Sporozoites*
Research Mentor* Ana Rodriguez*
Research Institution* New York University Sackler Institute*
Home Institution* Tennessee State University*
Co-Authors* Ana Rodriguez and Diana Van de Hoef, New York University*

Wilson Okello 2:45 PM
*Adams*
Presentation Title* New Boots, Same Old Straps: Examining the role of African American teachers in promoting and developing informed resilience in African American students.
Research Mentor* Constance Ellison, Howard University*
Research Institution* University of Pennsylvania*
Home Institution* Youngstown State University*
Co-Authors* Constance Ellison, Howard University*

Olubukola Oriola 12:15 PM
*Jeffersonian III*
Presentation Title* Regulation of Effector T Cell Entry into the Tumor Microenvironment by Listeria Based Vaccines*
Research Mentor* Yvonne Paterson*
Research Institution* University of Pennsylvania*
Home Institution* University of Maryland, Baltimore County*
Co-Authors* Yvonne Paterson and Patrick Guirnalda, University of Pennsylvania*

Melanie Ortiz 3:00 PM
*Jeffersonian V*
Presentation Title* Effects of Cigarette Smoke on Small GTPase-mediated Endothelial Monolayer Permeability*
Research Mentor* Sharon Rounds*
Research Institution* Brown University*
Home Institution* UPR-Rio Piedras*
Co-Authors* Sharon Rounds, Qing Lu and Julie Newton, Brown University*
Kelli Outlaw 4:30 PM Jeffersonian VI
Presentation Title Toll-like Receptor 3 (TLR3) Colocalizes with GC-Binding Factor 2 (GCF2) in Response to Influenza Infection
Research Mentor Kathleen Sullivan
Research Institution University of Pennsylvania
Home Institution Howard University
Co-Authors Kathleen Sullivan, University of Pennsylvania

Sharon Paitoo 5:15 PM Lincoln Forum
Presentation Title The Use and Misuse of Aggregate Economic Statistics
Research Mentor Allen Sanderson
Research Institution University of Chicago
Home Institution Fort Valley State University
Co-Authors Allen Sanderson, University of Chicago

Carlos Peinado 12:15 PM Jeffersonian II
Presentation Title The Role of the Methyltransferase Suv4-20h1 in Glucocorticoid Regulated Gene Transcription
Research Mentor Inez Rogatsky
Research Institution Weill Cornell Medical College
Home Institution Santa Monica College
Co-Authors Yurii Chinenov and Inez Rogatsky, Hospital For Special Surgery

Michelle-Marie Pena 4:45 PM Jeffersonian IV
Presentation Title Activation of the endoplasmic reticulum stress response by antiretroviral therapeutics in primary CNS neuronal and glial cultures
Research Mentor Kelly Jordan-Sciutto
Research Institution University of Pennsylvania
Home Institution University of Miami
Co-Authors

Sergio Perez 12:00 PM Monroe
Presentation Title A Sophomore Radio Lab Class with No Prerequisites - Motivating Students to Learn More about Electromagnetics
Research Mentor Zoya Popovic
Research Institution University of Colorado at Boulder
Home Institution UPR-Mayaguez
Co-Authors Zoya Popovic, University of Colorado at Boulder

Michael Philippe-Auguste 11:30 AM Jeffersonian V
Presentation Title The Effect of Host Genotype on Microbe Diversity and Quantity in Drosophila melanogaster
Research Mentor Tin Tin Su
Research Institution University of Colorado at Boulder
Home Institution University of Miami
Co-Authors Tin Tin Su, University of Colorado at Boulder

William Pineros 12:00 PM Jeffersonian II
Presentation Title Concentration Effect on Intramolecular Dynamics of the Basic Leucine Zipper Element of DNA Transcription Factor GCN4
Research Mentor Arthur Palmer
Research Institution Columbia University
Home Institution Queens College CUNY
Co-Authors Michelle Gill and Arthur G. Palmer, Columbia University

Allister Plater 12:30 PM Lincoln Forum
Presentation Title How Culture Impacts the Oral Expression of Chinese Immigrant and European American Children in the United States
Research Mentor Jin Li
Research Institution Brown University
Home Institution University of North Carolina Chapel Hill
Co-Authors Jin Li, Brown University

Jacquylene Ponville 4:45 PM Jeffersonian VI
Presentation Title Interaction of the Group II Intron ID3 Stem Loop With its 5’ Splice Site Target
Research Mentor Nancy Greenbaum
Research Institution Hunter College
Home Institution Nicholls State University
Co-Authors Milena Popovic and Nancy Greenbaum, Hunter College

Rosina Pradhahananga 11:45 AM Adams
Presentation Title Social Mobility in South India under Colonial Rule: 1881-1921
Research Mentor Nancy Luke
Research Institution Brown University
Home Institution Boston University
Co-Authors Nancy Luke and Kaivan Munshi, Brown University
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<td>Cassie-Ann Quashie</td>
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<td>Adams</td>
<td>The Effects of Racial Ideologies on Self-Perception of Weight in Black and White Women</td>
<td>Nicole Shelton</td>
<td>Princeton University</td>
<td>Morgan State University</td>
<td>Nicole Shelton and Deborah Son, Princeton University</td>
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<td>Leisa Quiñones Oramas</td>
<td>4:30 PM</td>
<td>Washingtonian II</td>
<td>From “lovely birds” to “tasteful creatures”: The Problem of Assimilation in Benito Pérez</td>
<td>Steven Mintz</td>
<td>Columbia University</td>
<td>UPR-Rio Piedras</td>
<td>Galdós’s El amigo Manso</td>
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<td>Karishma Rahman</td>
<td>5:30 PM</td>
<td>Jeffersonian I</td>
<td>Modulation of Immune Responses by Apoptotic Microparticles</td>
<td>Nina Bhardwaj</td>
<td>New York University Sackler Institute</td>
<td>Massachusetts Institute of Technology</td>
<td>Nina Bhardwaj and Davor Frleta, New York University</td>
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<td>Xavier Readus</td>
<td>5:15 PM</td>
<td>Jeffersonian II</td>
<td>Behavior Validation of a Mouse Model of Autism</td>
<td>Steven Siegel</td>
<td>University of Pennsylvania</td>
<td>Xavier University</td>
<td>Steve Siegel and Mike Gandal, University of Pennsylvania School of Medicine</td>
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<td>Katherine Riccione</td>
<td>11:45 AM</td>
<td>Jeffersonian III</td>
<td>Plasmodium berghei Inhibition by Gamma Interferon</td>
<td>Elizabeth Nardin</td>
<td>New York University Sackler Institute</td>
<td>New York University</td>
<td>Elizabeth Nardin and Robert Mitchell, New York University Department of Parasitology</td>
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<td>Arelis Rivera</td>
<td>11:15 AM</td>
<td>Monroe</td>
<td>Study of the H2O to CO2 Ratio in Emissions from Biomass Burning in Mexico</td>
<td>Darin Toohey</td>
<td>University of Colorado at Boulder</td>
<td>UPR-Rio Piedras</td>
<td>Darin Toohey, University of Colorado at Boulder</td>
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<td>Christina Roberts</td>
<td>11:30 AM</td>
<td>Jeffersonian VI</td>
<td>Loss of Beta-catenin Inhibits Postnatal Mammary Gland Development and Compromises Mammasphere Formation Ability in vitro</td>
<td>Sarah Millar</td>
<td>University of Pennsylvania</td>
<td>Spelman College</td>
<td>Xinjiang Wu and Sarah Millar, University of Pennsylvania</td>
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<td>Dale Robertson</td>
<td>5:00 PM</td>
<td>Jeffersonian VI</td>
<td>Production and Study of Leukotoxin ED and Leukotoxin FS</td>
<td>Victor Torres</td>
<td>New York University Sackler Institute</td>
<td>New York University Sackler Institute</td>
<td>Victor Torres, New York University</td>
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<td>Anabel Rodriguez</td>
<td>4:00 PM</td>
<td>Lincoln Forum</td>
<td>Circadian and Arousal Determinants of Estrogen-induced Lordosis Behavior</td>
<td>Zachary Weil</td>
<td>Weill Cornell Medical College</td>
<td>Florida State University</td>
<td>Zachary Weil and Donald Pfaff, Rockefeller University</td>
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<td>Hiram Rodriguez</td>
<td>12:00 PM</td>
<td>Jeffersonian IV</td>
<td>CHRNA7, c-myb and the Development of the GABAergic System</td>
<td>Jerry Stitzel</td>
<td>University of Colorado at Boulder</td>
<td>UPR-Mayaguez</td>
<td>James R. Laughlin and Jerry Stitzel, University of Colorado at Boulder</td>
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Rosa Rodriguez 3:30 PM
Jeffersonian V
Presentation Title The Role of a Novel Transmembrane Protein MPZL3 in Epithelial Cell Adhesion
Research Mentor Tongyu Cao
Research Institution University of Miami
Home Institution Florida International University
Co-Authors Tongyu Cao and Maria Cepero, University of Miami

Krizia Rohena Rivera 2:45 PM
Jeffersonian V
Presentation Title Loss of DNA Methylation: Effects on Cell Proliferation
Research Mentor
Research Institution Columbia University
Home Institution UPR-Rio Piedras
Co-Authors Anne O’Donnell and Timothy Bestor, Columbia University

Andrea Rolong 11:15 AM
Jeffersonian III
Presentation Title Fabrication of a Vitamin D Bacterial Biosensor
Research Mentor Tayhas Palmore
Research Institution Brown University
Home Institution Florida International University
Co-Authors Tayhas Palmore and Vince Siu, Brown University

Laura Rosado 3:15 PM
Jeffersonian II
Presentation Title Elucidation of Single Nucleotide Polymorphisms in the CHRNA6 Gene of Alcohol and Tobacco Dependent Individuals
Research Mentor Marissa Ehringer
Research Institution University of Colorado at Boulder
Home Institution UPR-Mayaguez
Co-Authors Marissa Ehringer and Nicole Hoft, University of Colorado at Boulder

Yolonda Ross 5:00 PM
Jeffersonian IV
Presentation Title The Effects of Beta-Glucan on Lipopolysaccharide-Induced Cytokine Production and Sepsis
Research Mentor Jonathan Reichner
Research Institution Brown University
Home Institution Tougaloo College
Co-Authors Jonathan Reichner and Courtni Newsome, Brown University

Kamal Sabi 12:30 PM
Monroe
Presentation Title Sensing Circuit for a Rooftop Solar Photovoltaic System
Research Mentor Dragan Maksimovic
Research Institution University of Colorado at Boulder
Home Institution University of Colorado at Boulder
Co-Authors Dragan Maksimovic and Sang Hee Kang, University of Colorado at Boulder

Roberto Sanchez 4:45 PM
Monroe
Presentation Title Classification of Effluent Organic Matter (EfOM) in Wastewater via Polarity Fraction Analysis
Research Mentor Fernando Rosario-Ortiz
Research Institution University of Colorado at Boulder
Home Institution New Mexico State University
Co-Authors Fernando Rosario-Ortiz and Vivy Dong, University of Colorado at Boulder

Melissa Santos 11:30 AM
Jeffersonian III
Presentation Title Investigation of Fed Batch Process Conditions for the Production of Monoclonal Antibodies Expressed in CHO Cells Using Wave Bioreactor Technology
Research Mentor Matthew Livermore
Research Institution Eli Lilly and Company
Home Institution University of Maryland, Baltimore County
Co-Authors Matthew Livermore, Eli Lilly and Company
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<td>Sadella Santos</td>
<td>3:15 PM</td>
<td>PD-1:PD-L1 Induced Alterations in T-cell Migration/Motility and/or Function During Sepsis</td>
<td>Alfred Ayala</td>
<td>Brown University</td>
<td>University of Maryland, Baltimore County</td>
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<td>Alfred Ayala, Gwendolyn F. Elphick and Nicholas Shubin, Brown University</td>
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<td>Kei Saotome</td>
<td>11:15 AM</td>
<td>Expression and NMR Analysis of a Modified U6 ISL RNA Fragment</td>
<td>Nancy Greenbaum</td>
<td>Hunter College</td>
<td>University of Colorado at Boulder</td>
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<td>Nancy Greenbaum, Hunter College</td>
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<td>Kristopher Schneider</td>
<td>5:15 PM</td>
<td>Effects of Freezing on the Mechanical Properties of Fetal Membranes</td>
<td>Kristopher Schneider</td>
<td>Swarthmore College</td>
<td>University of Colorado at Boulder</td>
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<td>Virginia Ferguson and Brandi Jackson, University of Colorado at Boulder</td>
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<td>Jigyasa Sharma</td>
<td>11:30 AM</td>
<td>The Politics of Threat and Violence: Gujarat Carnage and the Crisis of Democracy in India</td>
<td>Shreeyash Palshikar</td>
<td>Yale University</td>
<td>Mount Holyoke College</td>
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<td>Shreeyash Palshikar, Yale University</td>
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<td>Daneeta Shine</td>
<td>4:30 PM</td>
<td>Spotlight for Stereotypes: Do Essence Magazine's Articles Help to Dispel or Validate Stereotypes of Black Women</td>
<td>Omari Swinton</td>
<td>Howard University</td>
<td>Georgia State University</td>
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<td>Omari Swinton, Howard University</td>
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<tr>
<td>Matthew Silva</td>
<td>4:30 PM</td>
<td>Comparative Analysis of Larval Development and Morphology of Obligate Brood Parasitic and Substrate Spawning Synodontis Catfish Species</td>
<td>Alexander Cruz</td>
<td>University of Colorado at Boulder</td>
<td>New Mexico State University</td>
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<td>Alex Cruz, Brent Hawkins and Marcus Cohen, University of Colorado at Boulder</td>
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<td>Kenneth Skinner</td>
<td>5:45 PM</td>
<td>Regional Therapeutic Gene Delivery for Canine (GRMD) Homologue of DMD</td>
<td>Hansell Stedman</td>
<td>Morehouse College</td>
<td>University of Pennsylvania</td>
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<td>Hansell Stedman, Andrew Mead and Mikhail Petrov, University of Pennsylvania</td>
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<td>Kurrie Small</td>
<td>11:15 AM</td>
<td>The Detection of Coliforms and E. coli using MI Broth and Coliscan Easygel</td>
<td>Barry Pyle</td>
<td>Montana State University -Bozeman</td>
<td>Montana State University -Bozeman</td>
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<td>Tana Chandler and Barry Pyle, Montana State University Bozeman</td>
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<td>Eugene Smith</td>
<td>12:15 PM</td>
<td>The Relationship Between Harsh Discipline Practices with Preschool Children's Social Thinking and Disruptive Behavior</td>
<td>David Schultz</td>
<td>University of Maryland, Baltimore County</td>
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<td>David Schultz and Holly VanderWalde, University of Maryland, Baltimore County</td>
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Ethan Sokol 2:45 PM
Jeffersonian III
Presentation Title A Characterization of Telomere Associated Protein Tankyrase’s Interactions with CPAP and GMD using Binding Site Mutagenesis and PARP Activity Deletion
Research Mentor Susan Smith
Research Institution New York University Sackler Institute
Home Institution Harvey Mudd College
Co-Authors Susan Smith and Mi Kyung Kim, New York University

Carlos Solano 3:30 PM
Monroe
Presentation Title Atomic Force Microscopy Study of Colossal Magneto-resistive Oxide Film Morphology
Research Mentor Charles Ahn
Research Institution Yale University
Home Institution University of Central Florida
Co-Authors Jason D. Hoffman and Charles H. Ahn, Yale University

Michael Somuah 11:30 AM
Westcot
Presentation Title Role of a New Low Molecular Weight Thiol in Bacillus
Research Mentor John Helmann
Research Institution Cornell University
Home Institution Kentucky State University
Co-Authors John Helmann, Ahmed Gaballa and Anna-Barbara Hachmann, Cornell University

Alex Soriano 5:30 PM
Westcot
Presentation Title Function of Digestive Tract Proteins in Zebrafish
Research Mentor Gary Kao
Research Institution University of Pennsylvania
Home Institution Grove City College
Co-Authors Michael Pack and Gangarao Davuluri, University of Pennsylvania

Krystal Sotolongo 3:45 PM
Jeffersonian II
Presentation Title Comparisons of Intergenic Variation among Trichomonas vaginalis Isolates
Research Mentor Jane Carlton
Research Institution New York University Sackler Institute
Home Institution University of Miami
Co-Authors Melissa Conrad, Shehre-Banoo Malik and Jane Carlton, New York University

Kailey Spencer 3:15 PM
Hamilton
Presentation Title Effect of Minimal Identifiers on Personal Preferences
Research Mentor Gregory Walton
Research Institution Stanford University
Home Institution Hunter College
Co-Authors Gregory Walton, Stanford University

Kevin Stephens 5:00 PM
Monroe
Presentation Title Statistical CT and Helium-3 MR Image Analysis of the Lungs of Severe Asthma Patients
Research Mentor James Gee
Research Institution University of Pennsylvania
Home Institution Yale University
Co-Authors Nicholas Tustison and James Gee, University of Pennsylvania

Jennifer Stetler 4:00 PM
Westcot
Presentation Title Role of Sphingolipids in Insulin Resistance of Skeletal Muscle
Research Mentor Joe Brozinick
Research Institution Eli Lilly and Company
Home Institution University of Missouri-Columbia
Co-Authors Brozinick, JT and Wade, MR, Eli Lilly and Company

Dean Stevenson 3:45 PM
Hamilton
Presentation Title The AP Challenge: Student Self-Perceptions Prior to Intervention at the University of Virginia
Research Mentor Carolyn Callahan
Research Institution University of Virginia School of Education
Home Institution Virginia Polytechnic Institute and State University
Co-Authors Carolyn Callahan and Holly Hertberg-Davis, University of Virginia

David Stout 3:00 PM
Monroe
Presentation Title The Impact of Substrate Topography on Cell Filopodia Extension and Cell Spreading
Research Mentor Thomas Webster
Research Institution Brown University
Home Institution CSU Long Beach
Co-Authors Lei Yang and Thomas Webster, Brown University
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<td>Fritz Francois</td>
<td>New York University Sackler Institute</td>
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<td>Lena Thomer</td>
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<td>Role of Vacuolar Ubiquitin Trafficking in Macrophage Susceptibility to Mycobacteria</td>
<td>Jennifer Philips</td>
<td>New York University Sackler Institute</td>
<td>Jacobs University Bremen</td>
<td>Jennifer Philips, New York University School of Medicine</td>
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<td>Angel Tabuyo</td>
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<td>Jeffersonian V</td>
<td>Forensic Implementation of Laser Capture Microdissection in Extraction of Nuclear DNA from Degraded Bone Samples</td>
<td>Zoran Budimlija</td>
<td>New York University Sackler Institute</td>
<td>UPR-Mayaguez</td>
<td>Zoran M. Duimlija, New York University, Office of the Chief Medical Examiner</td>
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<td>Lyl Tomlinson</td>
<td>3:15 PM</td>
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<td>P-CREB Downstream Target Expression In The Sleep Wake Cycle Of Mice</td>
<td>Ted Abel</td>
<td>University of Pennsylvania</td>
<td>Brooklyn College CUNY</td>
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<td>Julie Trautwein</td>
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<td>Identification of Novel Oncogenes associated with MMTV-induced Breast Cancer</td>
<td>Susan Ross</td>
<td>University of Pennsylvania</td>
<td>College of the Holy Cross</td>
<td>Pieter van den Heuvel and Susan Ross, University of Pennsylvania</td>
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<td>Alex Tudela</td>
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<td>Latino Adolescence in 1950s America</td>
<td>Karen Weaver</td>
<td>Princeton University</td>
<td>Brown University</td>
<td>Ricardo Montez, Princeton University</td>
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<td>Barinia Uribe</td>
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<td>Washingtonian III</td>
<td>Social Capital: Latino Adolescents, Expectations, and Aspirations for the Future</td>
<td>Deborah Rivas-Drake</td>
<td>Brown University</td>
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<td>Johnny Taylor, III</td>
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<td>Sortilin and its Effect on Plasma Lipids in Mice</td>
<td>Xiaoyu Li</td>
<td>University of Pennsylvania</td>
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<td>Dustin Tetzl</td>
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<td>F. Xavier Castellanos</td>
<td>New York University Sackler Institute</td>
<td>University of Southern California</td>
<td>F.X. Castellanos, New York University - Child Study Center</td>
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<td>Mohammad Usmani</td>
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<td>Site-directed Mutagenesis of the Alpha3 Subunit of Nicotinic Acetylcholine Receptor to Optimize Alpha Bungarotoxin Affinity</td>
<td>Edward Hawrot</td>
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<td>Geoffrey Chew and Edward Hawrot, Brown University</td>
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<td>Catherine Valencia</td>
<td>11:30 AM</td>
<td>Hamilton</td>
<td>Influence of Peers and Behavioral Traits on Social Behavior and Underlying Neural Circuitry</td>
<td>BJ Casey</td>
<td>Weill Cornell Medical College</td>
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<td>Rebecca Jones, Leah Somerville and BJ Casey, Weill Cornell Medical College</td>
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<td>Ileana Vazquez Otero</td>
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<td>Forensic Perspectives on Microsatellite Typing of Pathologically Altered Samples - Pitfalls and Improvements</td>
<td>Grace Axler-DiPerte</td>
<td>New York University Sackler Institute</td>
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<td>Grace Axler-Diperte, New York University, OCME</td>
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<td>Glenn Velupillai</td>
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<td>Diabetes Prevalence, Outcomes and Health Resource Disparities Between Racially Similar Populations in the Central Bronx and Highbridge/Morrisania Area in New York</td>
<td>Nicholas Freudenberg</td>
<td>Hunter College</td>
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<td>Nicholas Freudenberg, Hunter College</td>
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<td>Joseph Villarin</td>
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<td>Exploring the Role of Visceral Endoderm in Organ Formation</td>
<td>Ann Foley</td>
<td>Weill Cornell Medical College</td>
<td>Columbia University</td>
<td>Ann Foley and Kemar Brown, Weill Cornell Medical College</td>
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<td>Alisha Wainwright</td>
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<td>Westcot</td>
<td>How Micro-environmental Differences Effect Phenotype and Genotype of Aquilegia</td>
<td>Henry Wortis</td>
<td>University of Chicago</td>
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<td>Justin Borevitz and Christos Noutsos, University of Chicago</td>
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<td>Courtney Wallace</td>
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<td>Identification of B.microti Resistant Quantitative Trait Loci on Chromosome Nine of Mouse Model</td>
<td>Henry Wortis</td>
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<td>Henry H. Wortis, Tufts University</td>
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<td>Keara Washington</td>
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<td>Adams</td>
<td>Healthy Relationship Education for African American Women</td>
<td>Tricia Bent-Goodley</td>
<td>Howard University</td>
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<td>Tricia Bent-Goodley, Howard University</td>
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<td>Tanesha Washington</td>
<td>3:30 PM</td>
<td>Adams</td>
<td>The African American Gender Gap in Kindergarten: Factors that Contribute to the Lower Achievement of African American Boys</td>
<td>David Grissmer</td>
<td>University of Virginia School of Education</td>
<td>Old Dominion University</td>
<td>David Grissmer, University of Virginia</td>
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<td>Ashli Watts</td>
<td>4:00 PM</td>
<td>Madison</td>
<td>Layers of Awakening: Perspectives of Community Development in the Pleasant Plains Community of Washington, D.C.- A Community Technical Assistant Program (CTAP)</td>
<td>Ernest Quimby</td>
<td>Howard University</td>
<td>DePaul University</td>
<td>Ernest Quimby, Howard University</td>
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Stephanie Weiss 4:30 PM  
*Lincoln Forum*

**Presentation Title** Defining Urban Orientation and Exploring its Effects in Amazonia  
**Research Mentor** Leah Vanwey  
**Research Institution** Brown University  
**Home Institution** Duke University  
**Co-Authors** Leah Vanwey, Brown University

Andre’ Whittington 11:15 AM  
*Jeffersonian I*

**Presentation Title** Exploration of Family Members’ Perceptions of Quality of Nursing Home Care  
**Research Mentor** Terri T. Wette  
**Research Institution** Brown University  
**Home Institution** Tougaloo College  
**Co-Authors** Terrie T. Wette, Brown University

Gloria Williams 3:00 PM  
*Jeffersonian IV*

**Presentation Title** Deleting Streptococcus pneumoniae genes SP_1119 and SP_1161 to Investigate their Role in a Cross-reactive Immune Response  
**Research Mentor** Jeffrey Weiser  
**Research Institution** University of Pennsylvania  
**Home Institution** University of the Sciences in Philadelphia  
**Co-Authors** Rebeccah Lijek and Jeffrey Weiser, University of Pennsylvania

Matthew Williams 5:30 PM  
*Hamilton*

**Presentation Title** Envisioning a Fictional Revolution: Painting, Stillness, and Mobility in Early America  
**Research Mentor** Alexander Nemerov  
**Research Institution** Yale University  
**Home Institution** Yeshiva University  
**Co-Authors** Alexander Nemerov, Yale University

Lauren Winczewski 4:45 PM  
*Washingtonian II*

**Presentation Title** People’s Impressions of Their Own Life Experiences  
**Research Mentor** Hazel Markus  
**Research Institution** Stanford University  
**Home Institution** DePaul University  
**Co-Authors** Hazel Rose Markus, Nicole M. Stephens and Cynthia Levine, Stanford University

Linda Witkowski 4:30 PM  
*Hamilton*

**Presentation Title** Strange Culture in the Documentary Tradition  
**Research Mentor** Charles Musser  
**Research Institution** Yale University  
**Home Institution** Mount Holyoke College  
**Co-Authors** Charles Musser, Yale University

Fitsum Woldesellassie 5:45 PM  
*Jeffersonian V*

**Presentation Title** Determining Polarity in Tracheal Terminal Cells  
**Research Mentor** Amin Ghabrial  
**Research Institution** University of Pennsylvania  
**Home Institution** Emory University  
**Co-Authors** Amin Ghabrial, University of Pennsylvania

Maxim Wolfson 3:45 PM  
*Jeffersonian I*

**Presentation Title** Regulation of Dopamine Release in the Nucleus Accumbens by the Endocannabinoid System  
**Research Mentor** Margaret Rice  
**Research Institution** New York University Sackler Institute  
**Home Institution** Washington University in St. Louis  
**Co-Authors** Margaret Rice and Zsuzsanna Sidlo, New York University School of Medicine

Michelle Williams 4:00 PM  
*Jeffersonian VI*

**Presentation Title** Inhibition of Hedgehog Signaling in Development and Cancer  
**Research Mentor** Charles Hong  
**Research Institution** Vanderbilt University  
**Home Institution** Allegheny College  
**Co-Authors** Charles Hong, Jijun Hao and Kaleh A. Karim, Vanderbilt University

Ali Wright 11:45 AM  
*Lincoln Forum*

**Presentation Title** Asylum Life and Experiences of Mental Illness in 19th-Century African-American and Irish Immigrant Communities: An Untold Story  
**Research Mentor** Anne Harrington  
**Research Institution** Harvard University  
**Home Institution** Cornell University  
**Co-Authors** Anne Harrington, Harvard University
Eyoel Yemanaberhan 5:45 PM
Jeffersonian III
Presentation Title Inhibition of CSP Cleavage: Serine and Cysteine Protease Inhibitors as Possible Prophylactic Agents in the Fight against Malaria
Research Mentor Photini Sinnis
Research Institution New York University Sackler Institute
Home Institution Jacobs University Bremen
Co-Authors Alida Coppi, Brandy Bennett and Photini Sinnis, New York University

Lisa Young 4:45 PM
Hamilton
Presentation Title Sociolinguistic Lessons in A Lesson Before Dying
Research Mentor John Rickford
Research Institution Stanford University
Home Institution Claflin University
Co-Authors John Rickford, Stanford University

Connie Yue 11:45 AM
Jeffersonian IV
Presentation Title Study of Hsp90 Super-chaperone Complex Formation
Research Mentor Bryce Paschal
Research Institution University of Virginia School of Medicine
Home Institution Hendrix College
Co-Authors Bryce Paschal and Li Ni, University of Virginia

Nader Zamani 12:15 PM
Jeffersonian IV
Presentation Title Identifying Melanoma Related Genes using Published Microarray Gene Expression Analysis
Research Mentor Meenhard Herlyn
Research Institution University of Pennsylvania
Home Institution University of Houston
Co-Authors Meenhard Herlyn, Tao Wang, The Wistar Institute; Nader Zamani, University of Houston

Pareezad Zarolia 3:15 PM
Adams
Presentation Title Individual Differences in Cognitive Performance
Research Mentor James Gross
Research Institution Stanford University
Home Institution San Francisco State University
Co-Authors James Gross and Scott Jacobs, Stanford University

Wenhui Zhou 5:45 PM
Jeffersonian VI
Presentation Title The Role of Src-kinases in the Regulation of ADAM17 mediated shedding of TGFα
Research Mentor Thorsten Maretzky and Carl P. Blobel, Hospital for Special Surgery
Research Institution Weill Cornell Medical College
Home Institution UC Davis
Co-Authors Thorsten Maretzky and Carl P. Blobel, Hospital for Special Surgery

Barret Zimmermann 5:15 PM
Westcot
Presentation Title The Functionality of Temperature-sensitive NICD, and its Role in Zebrafish Somitogenesis
Research Mentor Scott Holley
Research Institution Yale University
Home Institution Mount Holyoke College
Co-Authors Scott Holley and Jamie Schwendinger, Yale University
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<td>Johana Rodriguez</td>
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<td>Increased Expression of PSD-95 Following Hypoxia-induced Neonatal Seizures in Long Evans Rats</td>
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<td>George Cortina</td>
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<td>Tana Chandler</td>
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<td>The Detection of Coliforma and E. coli using MI Broth and Coliscan Easygel</td>
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<td>Macrophage Activity in Microvasculature Following Induction of Microstrokes</td>
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<td>Danielle Kinsey</td>
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<td>Comparison of Cell Associated Carbohydrate Levels in Methanogenic Cultures</td>
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<td>Joseph Old Elk</td>
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<td>Potentially Pathogenic E. Coli in the Little Bighorn River</td>
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<td>Carlos Arbelaez</td>
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<td>Towards Engineering an Economical Vaccine Using Outer Membrane Vesicles from E. coli</td>
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<td>Effects of Stress on the Levels and/or Distribution of MORs in Hippocampal Neurons in Female Rats</td>
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<td>Ashley Simon</td>
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<td>The Trypanosome Parasite and How it Affects the Immune System</td>
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<td>Transfer of the Enhanced Green Fluorescent Protein Gene to the Heat-Sensitive lacI-ts Vector</td>
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<td>Computational Analysis of Transcriptional Regulation with the Metabolic Network of Pseudomonas aeruginosa</td>
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<td>In Search of a Novel Neuronal Stem Cell Marker</td>
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<td>Mervin Failing</td>
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<td>Elaine Oberlick</td>
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Student Poster Presentations

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Ritesh Agnihotri 69 8:45-9:45 AM

Presentation Title: AS1R, An Oocyte Specific Egg Membrane Metalloproteinase Receptor for a Sperm Acrosomal Ligand: Candidate Drug Target for a NextGen Contraceptive?

Research Mentor: John Herr

Research Institution: University of Virginia School of Medicine

Home Institution: University of Rochester

Co-Authors: John Herr, Arabinda Mandal and Parneredoss Subbarayalu, University of Virginia

Paim Alavi 16 9:45-10:45 AM

Presentation Title: Computational Analysis of Transcriptional Regulation with the Metabolic Network of Pseudomonas aeruginosa

Research Mentor: Jason Finn

Research Institution: University of Virginia School of Medicine

Home Institution: University of Texas at Austin

Co-Authors: Jason Finn and Matthew Oberhardt, University of Virginia

Ivan Albino Flores 12 9:45-10:45 AM

Presentation Title: Transfer of the Enhanced Green Fluorescent Protein Gene to the Heat-Sensitive lacI-ts Vector

Research Mentor: Mark Hernandez

Research Institution: University of Colorado at Boulder

Home Institution: University of Colorado at Boulder

Co-Authors: Mark Hernandez and Kevin McCabe, University of Colorado at Boulder

Stephen Allopp 21 8:45-9:45 AM

Presentation Title: In search of a Novel Neuronal Stem Cell Marker

Research Mentor: Ronald A. DePinho

Research Institution: Harvard University, Division of Medical Sciences

Home Institution: North Carolina Central University

Co-Authors: Basil Hu and Ronald A. DePinho, Harvard Medical School; Dana Farber Cancer Institute

Melissa Alvarado 93 8:45-9:45 AM

Presentation Title: Detection of Gli9 Fibillary Acidic Protein in Zinc Oxide Nanoparticle Polyurethane Composites to Determine Astrocytes Activity

Research Mentor: Thomas Webster

Research Institution: Brown University

Home Institution: UPR-Mayaguez

Co-Authors: Thomas Webster and Justin Seil, Brown University

Chinedu Anyaezi 36 9:45-10:45 AM

Presentation Title: Domains that Regulate Kinesin Microtubule Distribution

Research Mentor: Elizabeth Engle

Research Institution: Harvard University, Division of Medical Sciences

Home Institution: University of Texas at Austin

Co-Authors: Elizabeth Engle, Igar Desai and Long Cheng, Harvard University Division of Medical Sciences

Carlos Arbelaez 8 9:45-10:45 AM

Presentation Title: Towards Engineering an Economical Vaccine Using Outer Membrane Vessicles from E. coli

Research Mentor: Matthew DeLisa

Research Institution: Cornell University

Home Institution: Cornell University

Co-Authors: Matthew DeLisa and Tom Mansell, Cornell University

Charmaine Basug 31 8:45-9:45 AM

Presentation Title: The Influence of Pa4x4 Protein on Pancreatic Stem Cells

Research Mentor: Juan Dominguez-Bendala

Research Institution: University of Miami

Home Institution: Chaminade University of Honolulu

Co-Authors: Juan Dominguez-Bendala and Jaime Giraldo, Diabetes Research Institute, University of Miami

Mena Bekhit 30 9:45-10:45 AM

Presentation Title: Quantitative Quantification of Liver Damage and the Effects of Curcumin on the Resolution of Liver Fibrosis

Research Mentor: Robert Anders

Research Institution: Johns Hopkins University

Home Institution: University of Florida

Co-Authors: Robert Anders, Johns Hopkins University

Sylvie Belcourt 53 8:45-9:45 AM

Presentation Title: Staphylococcus aureus in Horses and Handlers

Research Mentor: Jovana Vorich

Research Institution: Montana State University - Bozeman

Home Institution: Montana State University - Bozeman

Co-Authors: Jovana Vorich Kane, Shannon Moreaux and Kyler Pallister, Montana State University

Patrick Benitez 29 8:45-9:45 AM

Presentation Title: Development of a Rapid Screen for Liposome Formulations

Research Mentor: Jaclyn Barrett

Research Institution: Brown University

Home Institution: Princeton University

Co-Authors: Fei Tian, Manuel Sanchez-Felix and Jaclyn Barrett, Eli Lilly and Company

Keaira Berry 23 8:45-9:45 AM

Presentation Title: Placental LAT-1 Expression in Healthy and Adverse Pregnancies

Research Mentor: James Padbury

Research Institution: Brown University

Home Institution: Clladun University

Co-Authors: James Padbury and Bethany McGonnigal, Women's and Infant's Kilguss Research Institute, Brown University

Lauren Black 58 9:45-10:45 AM

Presentation Title: Genetic Variation in the Regulation of DACT1 Gene Expression

Research Mentor: Anna Di Raimo

Research Institution: University of Chicago

Home Institution: University of Arizona

Co-Authors: Anna Di Raimo, Joe Maranville and Francesca Luca, University of Chicago

Destiny Bueltu 50 9:45-10:45 AM

Presentation Title: Identification of Kinetics Involved in Trafficking of Apical Marker Proteins in Non-polarized and Polarized MDCK Cells

Research Mentor: Geri Kretzer

Research Institution: Weill Cornell Graduate School

Home Institution: University of Maryland, Baltimore County

Co-Authors: Geri Kretzer and Xiaoxian Xue, Weill Cornell Graduate School

Elizabeth Buenger 84 9:45-10:45 AM

Presentation Title: TBD

Research Mentor: Barbara Conradt

Research Institution: Dartmouth College

Home Institution: Ohio Northern University

Co-Authors: Barbara Conradt, Dartmouth College

Christopher Cahn 85 8:45-9:45 AM

Presentation Title: Sub-Cellular Localization of Type B-Response Regulators in Oryza sativa

Research Mentor: Eric Schaller

Research Institution: Dartmouth College

Home Institution: SUNY New Paltz

Co-Authors: Eric Schaller, Dartmouth College

Davin Camden 102 9:45-10:45 AM

Presentation Title: Suicide Among Native Americans

Research Mentor: George Haynes

Research Institution: Montana State University - Bozeman

Home Institution: Montana State University - Bozeman

Co-Authors: George Haynes, Montana State University

Bradley Carrier 46 9:45-10:45 AM

Presentation Title: Gene Expression as a Function of Folate Intake, Choline Intake and MTHFR Genotype in Mice

Research Mentor: Marie Caudill

Research Institution: Cornell University

Home Institution: Cornell University

Co-Authors: Marie Caudill, Cornell University; David Still and Nancy Buckley, Cal Poly Pomona

Angel Casanova 98 9:45-10:45 AM

Presentation Title: Influence of Aquatic Trophic Structure (Grazers, Predators) on Microbial Diversity and Community Composition

Research Mentor: Joseph Yavitt

Research Institution: Cornell University

Home Institution: Cornell University

Co-Authors: Joseph Yavitt, Eugene Madsen and Ian Hewson, Cornell University

Sherra Cates 107 8:45-9:45 AM

Presentation Title: Racial Phenotypic Bias: Examining the Relationship Between Implicit and Explicit Associations

Research Mentor: Keith Maddox

Research Institution: Tufts University Medford

Home Institution: North Carolina A&T State University

Co-Authors: Keith Maddox, Tufts University; Hafsa Mohmed, San Diego State University

Tara Chandler 3 8:45-9:45 AM

Presentation Title: The Detection of Coliforms and E. coli using MI Broth and Coliscan Easygel

Research Mentor: Barry Pyle

Research Institution: Montana State University - Bozeman

Home Institution: Montana State University - Bozeman

Co-Authors: Barry Pyle and Kerrie Small, Montana State University Bozeman
Michael Chiorazzo 83 8:45-9:45 AM
Presentation Title TBD
Research Mentor Jon Kull
Research Institution Dartmouth College
Home Institution Ramapo College of New Jersey
Co-Authors Jon Kull, Dartmouth College

Ayasha Chowdhury 112 9:45-10:45 AM
Presentation Title Effects of Chronic Stress on Specific Proteins in the Brain of Male and Female Rats
Research Mentor Victoria Luine
Research Institution Hunter College
Home Institution Hunter College
Co-Authors Victoria Luine, Hunter College

Briania Coles 88 9:45-10:45 AM
Presentation Title TBD
Research Mentor Deborah Hogan
Research Institution Dartmouth College
Home Institution San Jose State University
Co-Authors Deborah Hogan, Dartmouth College

Luis Contreras Diaz 103 8:45-9:45 AM
Presentation Title A Giant Awakens: The Shifting Balance of Power Between Brazil and the United States
Research Mentor Patricia Fernandez-Kelly
Research Institution Princeton University
Home Institution UC Irvine
Co-Authors Patricia Fernandez-Kelly, Princeton University

Frank Conyers 60 9:45-10:45 AM
Presentation Title Role of the ATP-Binding Cassette Transporter ABO2 in Cardiac Side Population Cell Dysfunction
Research Mentor Konstantina Sereti
Research Institution Harvard University, Division of Medical Sciences
Home Institution Morehouse College
Co-Authors Ronghui Liao and Konstantina Joana Sereti, Harvard Medical School

Lydia Cortes 32 9:45-10:45 AM
Presentation Title The Involvement of Cyclic AMP Signaling in Ethanol Mediated Oligoprotection Following Injury
Research Mentor Damien Pearce
Research Institution University of Miami
Home Institution UPR-Cayre
Co-Authors Damien Pearce, Fenghan Yu and Daniela Garcia, University of Miami

George Cortina 2 9:45-10:45 AM
Presentation Title A Functional and Structural Study of Interactions between LP and NCOR
Research Mentor Elliott Keef
Research Institution Harvard University, Division of Medical Sciences
Home Institution College of William & Mary
Co-Authors Elliott Keef, Daniel Portal and Mike Calderwood, Harvard University Division of Medical Sciences

Michelle Crespo 44 9:45-10:45 AM
Presentation Title Correlating Abnormal Metabolic Glutamate Receptor Signaling to Dendritic Spine Defects in Fragile X Syndrome
Research Mentor David Van Vactor
Research Institution Harvard University, Division of Medical Sciences
Home Institution UCLA
Co-Authors Carlos Portera-Cailliau and Alberto Cruz-Martin, University of California, Los Angeles

Brandi Crosby 9 8:45-9:45 AM
Presentation Title Synthesis and Acetycholinesterase Inhibitory Activity of Nantenine Dimers
Research Mentor Wayne Harding
Research Institution Hunter College
Home Institution Clemson University
Co-Authors Wayne W. Harding, Steven Pecic and Onica LeCendre, Hunter College

Antoinette Dawson 73 8:45-9:45 AM
Presentation Title Mechanisms Involved in Hypoxia-Induced Migration of Pulmonary Artery Smooth Muscle Cells
Research Mentor Larissa Shimoda
Research Institution Johns Hopkins University
Home Institution Tuagalo College
Co-Authors Larissa Shimoda, Johns Hopkins University

Andrés De León Medero 14 9:45-10:45 AM
Presentation Title Development and Evaluation of a GDS-Specific ELISA as a New Biomarker for the Detection of Ovarian Cancer
Research Mentor Mathias Olke
Research Institution Johns Hopkins University
Home Institution UPR-Humacao
Co-Authors Mathias Olke, Tonya Webb and Aaron Selya, Johns Hopkins School of Medicine, Department of Pathology

Omar Delannoy-Bruno 64 9:45-10:45 AM
Presentation Title Mechanisms of Germ Line Specification in the Milkweed Bug (Oncopeltus fasciatus) using Conserved Germ Cell-specific Genes vasa and nanos
Research Mentor Cassandra Extavour
Research Institution Harvard University
Home Institution UPR-Rio Piedras
Co-Authors Cassandra Extavour and Benjamin Eisen-Campen, Harvard University

Heather Earthboy 5 8:45-9:45 AM
Presentation Title Modeling Metabolic Syndrome In Drosophila
Research Mentor Meagan Snodgrass
Research Institution Montana State University -Bozeman
Home Institution Fort Belknap College
Co-Authors Meagan Snodgrass, Montana State University-Bozeman

Kedy Edme 96 9:45-10:45 AM
Presentation Title Investigating the Enzymatic Activity of Chai II Surains
Research Mentor Hening Lin
Research Institution Cornell University
Home Institution University of Maryland, Baltimore County
Co-Authors Hening Lin, Cornell University

Cianna Edquillane 57 8:45-9:45 AM
Presentation Title Liver Specific Gene Expression in Whole Bone Marrow Cells Co-cultured with Acetaminophen-injured Rat Liver Cells
Research Mentor Jason Aliotta
Research Institution Brown University
Home Institution Chaminade University of Honolulu
Co-Authors Jason Aliotta and Mandy Perreza, Brown University, Rhode Island Hospital Research Center

Mervin Failing 24 9:45-10:45 AM
Presentation Title Pulmonary Deposition and Uptake of a Protein Cage Nanoparticle used in the Elicitation of Inducible Bronchus-associated Lymphoid Tissue
Research Mentor James Wiley
Research Institution Montana State University -Bozeman
Home Institution Fort Peck Community College
Co-Authors James Wiley, Allen Harmens and Ann Harmens, Montana State University

Timothy Feliciano 65 8:45-9:45 AM
Presentation Title Super-Resolution Imaging of Neural Tissue by Stochastic Optical Reconstruction Microscopy
Research Mentor Xiaowei Zhuang
Research Institution Harvard University
Home Institution CSU Long Beach
Co-Authors Hazen Babcock, Melike Lakadamyali and Xiaowei Zhuang, Harvard University

Oscar Figueroa 100 9:45-10:45 AM
Presentation Title Spanish Immersion for Infants and Toddlers
Research Mentor Mariannela Casasola
Research Institution Cornell University
Home Institution CSU Long Beach
Co-Authors Mariannela Casasola, Cornell University

Andre Forbes 4 9:45-10:45 AM
Presentation Title Macrophage Activity in Microvasculature Following Induction of Microstrokes
Research Mentor Chris Schaffer
Research Institution Cornell University
Home Institution Morehouse College
Co-Authors Chris Schaffer and Noamish Nishimura, Cornell University

Jodi Four Colors 76 8:45-9:45 AM
Presentation Title An Exploration of Common Antifungal and Disinfection Agents for the Control of Aquatic Invasive Fish Larvae in Natural Settings
Research Mentor Jackson Gross
Research Institution Montana State University -Bozeman
Home Institution Stone Child College
Co-Authors Jackson Gross, Montana State University

Jonathan Four Colors 48 9:45-10:45 AM
Presentation Title Cell Research
Research Mentor Zack Jay
Research Institution Montana State University -Bozeman
Home Institution Stonehill College
Co-Authors Zack Jay and William Inskipe, Montana State University Bozeman

Brian Fulton-Howard 111 8:45-9:45 AM
Presentation Title The Effect of THC and Enrichment on Cocaine Reward in Male and Female Adolescent Rats
Research Mentor Sari Izenwasser
Research Institution University of Miami
Home Institution University of Maryland, Baltimore County
Co-Authors Magalie Lenoir, Jennifer Leder and Sari Izenwasser, University of Miami Miller School of Medicine
Ileana Garcia 67 8:45-9:45 AM
Presentation Title Employing 2D-DIGE and Proteomics Approaches in the Determination of K14G1T1 Interacting Proteins
Research Mentor Gideon Koren
Research Institution Brown University
Home Institution University of Texas at Brownsville
Co-Authors Gideon Koren and Hitee Jindal, Rhode Island Hospital, Brown University

Jasmine Harpe 13 8:45-9:45 AM
Presentation Title Developing an Assay for Measuring Membrane Potential in Endothelial Cells
Research Mentor Gaurav Choudhary
Research Institution Brown University
Home Institution Johns Hopkins University
Co-Authors Gaurav Choudhary, Brown University

Anna Hatch 82 9:45-10:45 AM
Presentation Title Describing the Physical Association Between Earthbound and the Armatillo/TCF/Legless/Pygopus Transcriptional Complex to Better Characterize the Wingless Signaling Pathway
Research Mentor Yashi Ahmed
Research Institution Dartmouth College
Home Institution University of Wisconsin - La Crosse
Co-Authors Yashi Ahmed, Dartmouth College

Adam Hill 80 9:45-10:45 AM
Presentation Title TBD
Research Mentor Josh Gamshy
Research Institution Dartmouth College
Home Institution SUNY Binghamton
Co-Authors Josh Gamshy and Jay Dunlap, Dartmouth College

Jeanette Hoops 28 9:45-10:45 AM
Presentation Title Analysis of Biofilm Growth in Seborrheic Folders
Research Mentor Elinor Pulcini
Research Institution Montana State University - Bozeman
Home Institution Montana State University - Bozeman
Co-Authors Elinor DeAncey Pulcini, Smita Sutrave and Garth James, Montana State University

Meryl Horn 33 8:45-9:45 AM
Presentation Title Regulation of Myosin II Activity in Oligodendrocytes
Research Mentor Carmen V. Melendez-Vasquez
Research Institution Hunter College
Home Institution Hunter College
Co-Authors Carmen V. Melendez-Vasquez and Tomasz Rusieiwicz, Hunter College

Jasmin Jarrett 43 8:45-9:45 AM
Presentation Title Does siRNA Knockdown of Kinases Affect Golgi Tubulation in Cells?
Research Mentor William Brown
Research Institution Cornell University
Home Institution Cornell University
Co-Authors William Brown and Kevin Ha, Cornell University

Christine Kiruthu 62 9:45-10:45 AM
Presentation Title Skeletal Muscle Wasting in Mouse Models with Emphysema
Research Mentor Michael Crow
Research Institution Johns Hopkins University
Home Institution University of Maryland, Eastern Shore
Co-Authors Michael Crow and Daniel Files, Johns Hopkins University

Carlos Lago-Hernandez 78 9:45-10:45 AM
Presentation Title Task 1 Potassium Channel Regulation of the Cough Reflex
Research Mentor Berndan Canning
Research Institution Johns Hopkins University
Home Institution UPR-Rio Piedras
Co-Authors Berndan Canning, Matt Hewitt and Yang-Ling Chou, Johns Hopkins University

Melody Lopez 72 9:45-10:45 AM
Presentation Title Expression and Purification of SPAR with an Emphasis in Inhibiting Aggregation
Research Mentor Rebecca Page
Research Institution Brown University
Home Institution UPR-Mayaguez
Co-Authors Rebecca Page and Brennn Brown, Brown University

Jana Lovell 101 8:45-9:45 AM
Presentation Title PKM2ta and Post-synaptic Density Protein-95 Co-localization in the Hippocampus after Spatial Learning
Research Mentor Peter Serrano
Research Institution Hunter College
Home Institution University of Maryland, College Park
Co-Authors Peter Serrano, Hunter College
The Leadership Alliance congratulates the following doctoral scholars who have completed their PhDs or MD/PhDs since our Gala celebration in 2008. These 24 new scholars increases the number of Leadership Alliance doctoral scholars to 141.

**New Leadership Alliance Doctoral Scholars**

Kecia Addison-Scott, PhD  

Jaditza Aguilar-Castro, PhD  

Kofi Baakye, PhD  

Travis Boyce, PhD  

Denise Davis, PhD  
BS, 2012, Delaware State University; PhD 2009, Yale University. “Signaling mechanisms of the axon guidance molecule: RGM, Repulsive Guidance Molecule.”

Vanessa Fontanes, PhD  
BS, 2012, UPR-Mayaguez; PhD 2008, UCLA. “Hepatitis C virus-host interactions: Targeting viral protein synthesis and understanding the role of RNA polymerase I transcriptional activation in HCV-induced hepatocarcinogenesis.”

Akus Forjou, PhD  

Alyssa Garcia, PhD  
BA, 2001, Brown University; PhD 2008, University of Illinois at Urbana-Champaign. “(Re)covering women: The state, morality, and cultural discourses of sex work in Cuba.”

Karah ReyesGil, PhD  

Annalyn Gilchrist, PhD  
BA, 1998, Saint Michael’s College; PhD 2007, McGill University. “Proteomics analysis of the endoplasmic reticulum and Golgi apparatus.”

Evan Gomes, PhD  
BA, 2001, Universidad del Este; PhD 2007, Hunter College. “VEGFR2 and PKA converge at the MEK/ERK1/2 pathway to promote survival in serum deprived neuronal cells.”

Brian Hannah, PhD  
BA, 2003, Xavier University of Louisiana; PhD 2008, University of Pennsylvania. “Molecular evidence of internal fusion loops in HSV glycoprotein.”

Molly Martinez Hardigree, PhD  

Jonique Howard, PhD  
BA, 2004, Hampton University; PhD 2008, University of South Florida. “Mercury fates from medium scale mining in Guyana.”

Vera James, PhD  
BA, 2001, Spelman College; PhD 2008, Emory University. “Crucial steps towards a creative public sphere for an actually existing american democracy.”

Kahlil Mack, PhD  
BA, Bethune-Cookman College; PhD 2008, University of South Florida. “Beyond the barriers: A qualitative investigation into the experiences of general pediatrics working with young children exhibiting developmental delays and disabilities.”

Marguerite Nguyen, PhD  

Ricardo Ramirez, PhD  
BA, 2001, New Mexico State University; PhD 2008, New Mexico State University. “Ricardo examined the interactive effects of predators and pathogens.”

JoyAnn Phillips Rohan, PhD  
BS, 1999, Spelman College; PhD 2008, Baylor College of Medicine. “Vitamin D and prostate cancer.”

Leslie Rivera Rosado, PhD  
BA, 2001, UPR-Mayaguez; PhD 2008, Johns Hopkins University. “Study of the molecular mechanisms by which alphavbeta6 integrin promotes cell migration.”

Edgaro Sanabria-Valentin, PhD  

Melissa Stuckey, PhD  
BA, 2000, Princeton University; PhD 2008, Yale University. “All Men I’ve: Race, rights, and power in the all black town of Boley, Oklahoma, 1903-1939.”

Aisha Walker, PhD  
BA, 2001, UPR-Mayaguez; PhD 2008, Medical College of Georgia. “The role of stromal cell-derived factor-1 in cell mobilization, cell homing, and neovascularization following stroke.”

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FIRST INSTITUTION LISTED = SUMMER RESEARCH INSTITUTION

Paul Ardayfio
Eli Lilly and Company

Paul Ardayfio recently accepted the position as Associate Clinical Research Scientist in the Global Patient Safety (GPS) Exploratory and Program Phase Medicine (EPM) Team at Eli Lilly and Company after his postdoctoral fellowship in the Neuroscience Discovery Research Division at the company. Dr. Ardayfio completed his undergraduate studies at Wayne State University and doctorate in the Program in Neuroscience at Harvard Medical School. While at Harvard Dr. Ardayfio participated as a graduate student in the Leadership Alliance National Symposium in the summer of 2005. His research is aimed at elucidating causes and innovative treatments for psychiatric disorders including depression and schizophrenia.

SECOND INSTITUTION LISTED = HOME INSTITUTION

Earnestine Baker
University of Maryland, Baltimore County

Earnestine Baker is the Assistant to the Vice President of Institutional Advancement/Executive Director of the Meyerhoff Scholarship Program at the University of Maryland, Baltimore County (UMBC). She joined UMBC in 1983 as the Coordinator of Minority Recruitment in the Office of Admissions. She then served as Associate Director for Scholarships at the University (1987-1992). The University System Maryland (USM) Board of Regents selected Mrs. Baker as the USM Outstanding Staff Member for service to its community in July 2008. Mrs. Baker served as the Director of the Meyerhoff Scholarship Program at UMBC for ten years (1992-2002) and was appointed the Executive Director of the Program in 2002. Mrs. Baker has held various positions in education, including High School Teacher (Lancaster City Schools, Pennsylvania), Chemistry Teacher (‘Alief Independent School District, Houston), and Adjunct Instructor of Upward Bound Program (Millesville State University in Pennsylvania).

Who’s Who at the Symposium

Tabetha Bonacci
Eli Lilly and Company

Tabetha Bonacci is currently a postdoctoral scientist in Integrative Biology at Eli Lilly and Company in Indianapolis, Indiana. Dr. Bonacci received her B.S. in biology and chemistry at St. Norbert College in De Pere, WI. She received her M.S. and Ph.D. in pharmacology from the School of Medicine and Dentistry at the University of Rochester, in Rochester NY. At Rochester, her work focused on understanding the biochemical determinants underlying signaling through the G-protein betagamma subunit and its usefulness as a pharmacological target. Currently, at Eli Lilly she uses proteomics to better understand the importance of the post-translational modification S-palmitoylation and the role it plays in cancer pathogenesis.

Jerry Bryant
United Negro College Fund, Inc.

Jerry L. Bryant is the Director of Science Education Initiatives for the United Negro College Fund, Inc., and the Director of the UNCF/ Merck Science Initiative, supporting over 500 Fellows in the biological and chemical research fields. Dr. Bryant has served on NIH and NSF review panels, and on the Council and the Nominating Committee of AAAS. Dr. Bryant currently serves on the MIT Corporation’s Biology Visiting Committee, the External Advisory Board of the Association of UNCF/ Merck Fellows, the external advisory board of the Tuskegee University NSF HBCU-UP Program and on several other scientific and academic advisory boards. Dr. Bryant received his B.S. from Mississippi Valley State University in Natural Science and his Ph.D. from MIT in Microbiology. Dr. Bryant was an NIH Postdoctoral Fellow at Washington University in St. Louis, a Senior Research Biologist at Monsanto, President and General Manager at Lee Scientific and on the graduate faculty at the University of Missouri-St. Louis.
Angel Shree’ Byrd
Warren Alpert Medical School/ Brown University

Angel Byrd entered Brown through the Early Identification Program and later as a MD/PhD student. Currently, she is completing her doctoral studies as a Gates Millennium Scholar in the Pathobiology Program where she conducts research on 'Complement Receptor 3 (CR3) and its Regulation of Neutrophil Function in the Department of Surgical Research/Rhode Island Hospital under the guidance of Dr. Jonathan Reicher. She graduated from Tuskegee College with a B.S. in Chemistry. While at Tuskegee she was a Jackson Heart Study Scholar, and conducted research at Peking University Health Science Center (Minority International Research Training Program) with Dr. Chunjun Zhou, and at the Weight Control and Diabetes Research Center under the mentorship of Dr. Rena Wing through the Leadership Alliance. This summer she is at Eli Lilly and Company in the laboratory of Dr. Gourish G. G. Gurt. She plans to graduate in 2013 and further her career as a Pediatric Endocrinologist/Diabetologist.

Liza Cariaga-Lo
Harvard University

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

Roger Chalkley
Vanderbilt University

Roger Chalkley, D.Phil., Senior Associate Dean is responsible for the overview of the activities of the office of Biomedical Research Education & Training. These responsibilities include oversight of the Interdisciplinary Graduate Program (IGP), the MD/PhD Program, Postdoctoral Affairs, Graduate Student Affairs as well as Minority Activities and supporting Training Grant applications. Dr. Chalkley was educated at Pembroke College, Oxford University, and did his postdoctoral research in gene regulation and chromatin structure in the laboratory of James Bonner at CalTech. After almost 20 years in the Biochemistry Department at the University of Iowa School of Medicine, he moved to Vanderbilt in 1986. He has published almost 200 papers in chromatin research. Dr. Chalkley has had an active interest in graduate education for many years and was involved in the establishment of the IGP where he served as Director for the last eight years.

Wendy Carter
University of Maryland, Baltimore County

Wendy Carter has a passion for helping people succeed. Raised in a home challenged by poverty, alcoholism, and abuse, the statistics said that she would not graduate high school or attend college. Defying those odds, she attended Stanford University after graduating from the academically rigorous Boston Latin Academy. Dr. Carter earned a B.A. and M.A. from Stanford University, M.S. from Carnegie Mellon University, and M.S. and Ph.D. from the University of Wisconsin-Madison. Research and her own educational trials showed Dr. Carter that 30 percent of all students drop out of graduate school and 17 percent drop out during the thesis and dissertation phase. In response to this startling statistic, Dr. Carter developed an interactive CD-ROM tutorial product that motivates and encourages students, but also gives them workable solutions to their own educational crises. Today, Dr. Carter successfully manages many roles – parent, educator, business owner and motivational speaker.

Tiffani Fonseca
American Society for Microbiology

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

Françoise Freyre
Well Cornell Graduate School of Medical Sciences

Françoise Freyre is Assistant Dean of Student Affairs at Well Cornell Graduate School of Medical Sciences. She is in charge of recruiting students traditionally under-represented in the sciences to the Graduate School. She also oversees all aspects of recruitment in the Graduate School. She is the founder and director of the ACCESS Summer Internship Program for under-represented minority college students. Ms. Freyre received her Bachelor of Arts degree in Biology/Education from Hunter College of the City University of New York and her Master of Arts degree in Higher Education Administration from New York University. She serves on the Leadership Alliance Eli Lilly Guidance Committee.

Michael Gaines
University of Miami

Michael Gaines is Professor of Biology and Assistant Provost for Undergraduate Research and Community Outreach at the University of Miami (UM). In his role as assistant provost, Dr. Gaines assists undergraduates finding intramural research experiences and extramural research internships in the U.S. and abroad. Dr. Gaines is director of UM’s HHMI Program. He directs a NIGMS Bridge Program between the University of Miami and Miami-Dade College. He also directs an NIGMS Initiative for Maximizing Student Diversity, a research training program for minority graduate students pursuing Ph.Ds in the biomedical sciences. He has won every major teaching award at UM including a prestigious university-wide Excellence in Teaching Award. Gaines’ research interests focus on the ecological genetics of endangered small mammal species in South Florida. He was recently honored with UM’s Sigma Xi Chapter’s Scientist of the Year Medal. Dr. Gaines received his B.S. degree from Tulane University and his Ph.D. from Indiana University.

Marisa Galvez
Stanford University

Marisa Galvez is Assistant Professor of French at Stanford University. She received her B.A. in French from Yale University and her Ph.D. in Comparative Literature from Stanford University. Her areas of research include medieval French literature and culture, vernacular poetics, the intersection of performance and literary cultures, and the critical history of medieval studies as a discipline. She currently teaches survey courses on medieval and Renaissance literature and love lyric, as well as interdisciplinary courses on the medieval imaginary in literature, film, and art. She serves on the Executive Committee for the Discussion Group on Provençal Language and Literature of the Modern Language Association, and is completing her book manuscript on medieval songbooks.
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 with an emphasis in 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. Ms. Godo-Solo has nine years of combined experience teaching high school Spanish and recruiting undergraduate teacher education majors. Currently, as the Associate Director of IRT, Ms. Godo-Solo plays an integral part in recruiting and counseling talented students who are preparing for graduate school admission. She is deeply passionate about educational access and pipeline programs that ensure students’ success in college and graduate school.

Michelle M. Grundy
Vanderbilt University

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

Ryan Grant
University of Illinois at Urbana-Champaign

Ryan Grant is a graduate research assistant in the Division of Nutritional Sciences at the University of Illinois at Urbana-Champaign. He received a B.S. degree from the University of California, Davis in Biological Sciences in 2005. His research interests and doctoral dissertation focus on the inter-relationship between blood metabolites and transcriptional changes that occur in adipose and skeletal muscle during obesity development. Ryan has been the recipient of multiple fellowships, most notably: UNCF•Merck Dissertation Fellowship, McNair Graduate Fellowship, ASN-Wyeth Consumer Healthcare Predoctoral Fellowship, and Kraft Foods Human Nutrition Fellowship. He plans to pursue a career as a professor within a research institution. In the future his research will focus on understanding obesity and its co-morbidities along with devising nutritional and behavioral interventions to improve weight loss and health.

Louise Hainline
Brooklyn College

Louise Hainline is Dean of Research and Graduate Studies at Brooklyn College, and a Professor of Psychology whose research interests are in the development of vision and problems of vision in early infancy. She also does research on how people learn in higher education. In addition to her formal administrative duties, Ms. Hainline heads several of the College’s programs in support of minority student training, most notably the Minority Access to Research Careers (MARC) program and the Research Initiative for Scientific Enhancement (RISE) program. She received an undergraduate degree in Psychology with honors from Brown University, and M.A. and Ph.D. degrees in Developmental Psychology from Harvard University.

Gerald B. Hammond
National Science Foundation

Gerald B. "GR" Hammond received his B.S. at the Pontificia Universidad Catolica del Peru, and was a British Council Doctoral Fellow at the University of Birmingham, England, where he received his Ph.D. After a postdoctoral fellowship and a Visiting Assistant Professorship at the University of Iowa, Dr. Hammond joined the University of Massachusetts Dartmouth in 1980. He became Full Professor in 1999. In 2004 Dr. Hammond was appointed Professor and University Scholar in the Department of Chemistry at the University of Louisville. Dr. Hammond has received the Henry Dreyfus Teacher-Scholar Award, the Dreyfus Scholar-Fellow award, a Fulbright fellow, and UMass Dartmouth Scholar of the Year Award. He is a program director at the National Science Foundation in the Chemistry Division. Hammond’s research interests focus on synthetic methods development, drug discovery, and bioactive plants from Peru. Hammond is author of over 100 publications and four patents, and has received over $3 million in grants.

Mark Hernandez
University of Colorado at Boulder

Mark Hernandez attained all of his degrees from Berkeley’s College of Engineering. After a postdoc (also at Berkeley) and several years of professional practice, he joined the University of Colorado faculty in 1996, where he is a Professor in the Department of Civil, Environmental and Architectural Engineering. He also serves as a Director of the Colorado Diversity Initiative, which coordinates major diversity efforts among science, math, and engineering departments, with a focus on promoting underrepresented students through graduate schools and into the professorate. He won the Water Environment Foundation’s Canham Award to support technology transfer between the U.S. and England; and was a recipient of a National Science Foundation early CAREER award. Dr. Hernandez maintains a modest consulting practice, serves as an expert witness in the remediation field, and holds U.S. patents for wastewater reclamation; he has over 50 archival publications.

George C. Hill
Vanderbilt University

George C. Hill, Ph.D., is the Levi Watkins, Jr. Professor and Associate Dean for Diversity in Medical Education and also a Professor in the Department of Microbiology and Immunology at Vanderbilt University. Dr. Hill is President of the National Foundation for Infectious Diseases. He is actively researching the electron transport systems in African trypanosomes and has held NIH RO1 grants. Dr. Hill was recognized as a “Giant in Science” by the Quality Education for Minorities Network in 1999 for his commitment to motivating minority students to pursue the sciences. Dr. Hill has served NIH and NSF in many capacities. He has been elected to the Institute of Medicine of the National Academy of Sciences and a Fellow of the Academy of Microbiology. Dr. Hill also served as Dean of the Graduate School, Director of the Division of Biomedical Sciences, and Associate Vice President for International Programs at Meharry Medical College.

Karen Jackson-Weaver
Princeton University

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, she attended Harvard Medical School 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.
Jeraine Johnson
National Institute of Standards and Technology
Jeraine Johnson is a Guest Researcher at the National Institute of Standards and Technology (NIST). She received her Ph.D. in Chemistry from the University of Southern California (USC) under the mentorship of Professor Stephen Bradforth. Her thesis work focused on characterizing the energy transfer dynamics in novel photosynthetic bacteria mimicks. Her current research focuses on developing a standardized technique that can be utilized to evaluate formulations for their suitability to stabilize protein-based therapeutics, such as vaccines and cancer drugs at room temperature. Jeraine is currently a member of the American Chemical Society, Sigma Xi Research Society and serves as an Alternate Manager for the Chemical Society of Washington and is the Vice President of Public Relations for the NIST Toastmasters. She is the recipient of several awards including American Gastroenterology Association Student Research Fellowship Award, The Maryland Section American Chemical Society Award and the Jay Struckhoff Memorial Award from USC.

Michele Lezama
The National GEM Consortium
Michele Lezama is the Executive Director of The National GEM Consortium, an organization dedicated to increasing the number of underrepresented individuals who pursue and receive a masters or PhD in engineering or science. Lezama began her post as Executive Director of GEM after serving over five years as Executive Director of the National Society of Black Engineers (NSBE), an organization whose mission is to increase representation in the science, technology, engineering and math (STEM). Under Lezama’s leadership, NSBE received the 2003 Presidential Award for Excellence in Science, Mathematics and Engineering Mentoring awarded by the White House’s Office of Science and Technology. Prior to NSBE, Lezama was the Director of HBO, and prior to HBO she served as the Associate Director of CBS. Lezama earned her B.S. in Industrial Engineering at Northeastern University and both her M.S. in Industrial Engineering and M.B.A. in Finance and Accounting from Columbia University.

Tiffany D. Joseph
University of Michigan
Tiffany D. Joseph is a Sociology doctoral candidate and also has a graduate certificate in Latin American and Caribbean Studies at the University of Michigan. She is a Ford Predoctoral Fellow and Fulbright Fellow (Brazil 2007-2008) and has received other distinguished awards and grants. Her teaching and research interests include: comparative frameworks of race in the Americas, how immigrants from Latin America and the Caribbean adapt to the U.S. racial system, and the impact of immigration on the U.S. racial system. Joseph recently completed dissertation fieldwork in Governor Valadares, Brazil where she examined how immigrating to the U.S. changes how Brazilian return migrants think about race. She is an alumni ambassador for the Fulbright Program and an alumni interviewer for Brown University applicants. Originally from Memphis, Joseph received a B.A. in Sociology and Ethnic Studies with honors from Brown University.

Joseph Marlin
NYU School of Medicine
Joseph Marlin is a second-year M.D./Ph.D. fellow at the NYU School of Medicine, and plans on pursuing research in Neuroscience. In 2008, Joseph received his B.A. in Molecular and Cell Biology and his B.S. in Chemistry from the University of California, Berkeley. Currently, Joseph is acting as a counselor for the NYU Summer Undergraduate Research Program, which is under the directorship of Dr. Joel Oppenheim. This is Joseph’s second appearance in the Leadership Alliance National Symposium; his first was in 2007.

Jeriel Marrero
Well Cornell Medical College
Jeriel Marrero contributes to the efforts to develop novel therapeutics against tuberculosis infection. Her B.S. in Biology with cum laude honors was received from the University of Puerto Rico, Cayey. She subsequently was awarded her Ph.D. in Molecular Biology and Microbiology from Tufts University School of Medicine after completing her thesis on inhibition of antibiotic resistance transfer amongst pathogenic bacteria. Dr. Marrero is presently pursuing her postdoctoral training in the Microbiology and Immunology Department at Well Cornell Medical College. Her current research is focused on discovering novel drug targets for effectively eliminating the tuberculosis pathogen. Her work has been supported by an NIH T32 fellowship, and an ongoing NIH RO1 research supplement. Dr. Marrero is an honored recipient of the Leadership Alliance/ Schering-Plough Fellowship. In two years, she aspires to attain a position of leadership whereby her training is employed in the accomplishment of individual- and team-based scientific goals.

Edward Marshall
University of Pennsylvania
Edward Marshall currently serves as Coordinator of Recruitment and Special Programs within Biomedical Graduate Studies at the University of Pennsylvania, where he also coordinates SR-EIP. Prior to Penn, Edward worked for New Jersey Educational Opportunity Fund (IOF) program both as a counselor at Atlantic Cape Community College, and summer-bridge program manager at The Richard Stockton College of New Jersey. He currently remains active with EOF as a member of the Executive Board of the program’s Professional Association. Additionally, he has served as an Academic Coordinator in the Athletics Department of Auburn University, monitoring the NCAA academic compliance of athletes. Edward obtained his Bachelor of Science in Biology from The Richard Stockton College of New Jersey, and Masters in Biology from University of Maryland, College Park.

Michelle Nearon
Yale University
Michelle Nearon received her B.S. and M.S. degree in aerospace engineering from the Massachusetts Institute of Technology and Brooklyn Polytechnic University, respectively. After completing her master’s degree she devoted approximately eight years to both the aerospace and automotive industries, beginning as a research engineer and ultimately becoming a general manager. She then returned to academia and received a Ph.D. from Stony Brook University in May 2005 in mechanical engineering. After graduating Dr. Nearon remained at Stony Brook University until June 2008 as an Assistant Professor in the Department of Mechanical Engineering. She simultaneously served as the Director of Recruitment and Diversity for the Undergraduate and Applied Sciences. Dr. Nearon joined Yale University in July 2008 and is currently an Assistant Dean in the Graduate School and the Director of the Office for Diversity and Equal Opportunity. The Office is committed to promoting diversity and inclusivity and building a supportive graduate school community.

Darryl Murray
National Institutes of Health
Darryl Murray received his Bachelors and Masters degrees from Alabama State University. He later earned his Ph.D. from the Johns Hopkins University (JHU), while participating in a National Institutes of Health (NIH) partnership program with JHU. He conducted his postdoctoral training at National Institute of Aging (NIA), where his research involved the characterization of chromatin remodeling complexes and their role in gene regulation. From 2005 to 2007, he served as the Postdoctoral Recruitment Specialist and Associate Training Director for the NIA. In this capacity he conducted recruitment activities for postdoctoral fellows, senior scientists and upper level technical staff. He also designed and implemented training, mentoring and career development initiatives for NIA postdoctoral trainees. Currently, he serves as Director of the NIH Undergraduate Scholarship Program (UGSP). The NIH UGSP offers competitive scholarships to students from disadvantaged backgrounds who have a commitment to biomedical, behavioral and social sciences research.
Joel Oppenheim
New York University School of Medicine
Joel Oppenheim is Senior Associate Dean for Biomedical Sciences at NYU School of Medicine, a position that oversees all Ph.D. and postdoctoral training. He also serves as Director of NYU’s Sackler Institute of Graduate Biomedical Sciences, the largest Ph.D. granting division of NYU’s Graduate School of Arts and Sciences, and is a member of the School of Medicine’s M.D. and M.D./Ph.D. Admissions Committee. He is the founder and director of NYU’s Summer Undergraduate Research Program and is also responsible for recruiting students to all NYU School of Medicine programs. Dr. Oppenheim received his B.S. degree in Zoology from the University of Wisconsin, his M.S. and Ph.D. degrees in Microbiology from Loyola University School of Medicine, and was a NIH Postdoctoral Fellow at NYU. He received his Ph.D. in Microbiology from Yale University and is a member of the School of Medicine’s M.D. Admissions Committee and Chairs the Biomedical Sciences, the largest Ph.D. Admissions Committee.

Marjorie Old Horn
Montana State University
Marjorie Old Horn is the Director for the American Indian Research Opportunities (ABRO) program at Montana State University in Bozeman (MSU). Her position oversees the all program components under the ABRO program including IMSD (Initiative for Maximizing Student Diversity) BRIDGES, MAP (Montana Apprenticeship Program) and ABRO-EES (Ecology and Environmental Sciences) programs serving American Indian and other underrepresented minority students in Montana. She serves on the MSU Native American Advisory Board at Bozeman and is the ANLSAMP (All Nations Louis Stokes Alliance for Minority Participation) Liaison Coordinator. Marjorie received her B.S. in Community Health Education from Montana State University in Bozeman and her Master of Science in Health Education with an emphasis in Public Health from the University of New Mexico in Albuquerque. Her experience involves the public health arena under tribal health and Indian Health Service programs.

Willie Pearson, Jr.
Georgia Institute of Technology
Willie Pearson, Jr. is a professor of sociology, and former chair, of the School of History, Technology, and Society at the Georgia Institute of Technology. Dr. Pearson’s research centers on the career patterns of Ph.D. scientists – particularly African Americans – and human resource issues in science and engineering. He is the author or co-editor of numerous published works. Dr. Pearson heads the SR-EIP evaluation team. He is a Fellow of the American Association for the Advancement of Sciences (AAAS) and a lifetime National Associate for the National Academies. Currently he serves on advisory committees in the Education and Human Resources Directorate, NSF; the Burroughs Wellcome Fund, and the National Academy of Sciences. Dr. Pearson received his Ph.D. from Southern Illinois University, Carbondale and held postdocs at the Education Testing Service and the Office of Technology Assessment, U.S. Congress.

Elizabeth Penela
University of Miami
Elizabeth Penela is a third year child-clinical psychology graduate student in the Department of Psychology at the University of Miami. Elizabeth received her Bachelor of Arts degree from the University of Miami in 2005. She is interested in the development of social competence in young children, especially those who are behaviorally inhibited. Specifically, she is interested in how maternal socialization of emotion regulation affects this process. Using a dataset of primarily Caucasian children, Elizabeth conducted observational coding and regression analyses for her master’s thesis to examine how various maternal behaviors affected the development of social competence. For her dissertation, she plans to extend this work to understand how these processes function in minority populations. She has the opportunity to conduct this empirical research in Miami, as it is an ethnically diverse city with families from many different countries. Penela has several manuscripts in preparation, which she plans to submit this fall.

Margaret Petrochenkov
The National Academy of Science
Margaret Petrochenkov received her Ph.D. in Comparative Literature at Indiana University, but has been primarily engaged in the administration of fellowship programs for graduate students and postdocs during the greater part of her career at the National Academy of Science. At present, she works with the Research Associateship Programs (postdoctoral positions in federal laboratories), the Ford Foundation Diversity Fellowships at the predoctoral, dissertation, and postdoctoral levels, the Jefferson Science Fellowships, and the review for the Vietnam Education Foundation Fellowships. Since 2000, she has traveled to Vietnam six times while helping to manage the on-site reviews. She is the primary organizer of the bi-annual Fellowship Roundtable meetings, where fellowship program administrators meet to discuss policy and to promote their fellowship programs. She is a specialist in the design of fellowship program guidelines and applications, along with the organization of reviews and the selection of review panelists.

José Quintáns
University of Chicago
José Quintáns, M.D./Ph.D., is a graduate of the University of Santiago de Compostela, Spain. At University of Chicago, he is the William Rainey Harper Professor of Pathology and Master of the Biological Sciences Collegiate Science Division. In this capacity he is responsible for the Biological Sciences undergraduate curriculum. Dr. Quintans is also the Director of the Medical Scientist Training Program. His research interests include Immunology and the pathophysiology of infectious diseases.

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

Roosevelt Ratliff, II
Claflin University
Roosevelt Ratliff, II is the Director of the Leadership Development Center, UNCF/National Merit Scholarship Coordinator, and Leadership Alliance Institutional Coordinator. Since 1998, Dr. Ratliff has served as Professor, Assistant Vice President for Leadership Development and Research Facilitator for Claflin University. Dr. Ratliff also serves as Co-Chair of the National Emerging Leaders Workshop (Roanoke, VA). For the Leadership Alliance consortium, he serves on the Program Advisory and the Summer Symposium Planning Committees. The recipient of a Claflin University Presidential Citation, his most recent award is a certificate by the State of South Carolina, House of Representatives, for thirty years of distinguished service in higher education (June 19, 2005). Dr. Ratliff received his Ph.D. from Stanford University in Education, an M.A. in Education Administration from University of Tulsa and an M.A. in Education from Northeastern Oklahoma State University, and his B.S. in Secondary Education from Alabama State University.

José Quintáns
University of Chicago
José Quintáns, M.D./Ph.D., is a graduate of the University of Santiago de Compostela, Spain. At University of Chicago, he is the William Rainey Harper Professor of Pathology and Master of the Biological Sciences Collegiate Science Division. In this capacity he is responsible for the Biological Sciences undergraduate curriculum. Dr. Quintans is also the Director of the Medical Scientist Training Program. His research interests include Immunology and the pathophysiology of infectious diseases.
Leslie Ann Rivera Rosado
U.S. Food and Drug Administration
Leslie Rivera Rosado is an ORISE postdoctoral fellow in the Laboratory of Biochemistry, Division of Therapeutic Proteins at the Center for Drug Evaluation and Research, U.S. Food and Drug Administration. Dr. Rivera’s areas of research include the use of human cancer cell lines to determine the role of Rho proteins and their regulators in the regulation of apoptotic pathways as well as in the progression of breast cancer. Dr. Rivera received her B.S. degree in Industrial Microbiology from the University of Puerto Rico–Mayagüez Campus where she was a MARC U*STAR participant and her Ph.D. degree in Biochemistry, Cellular and Molecular Biology from Johns Hopkins University School of Medicine. She was a recipient of the Ruth L. Kirschstein National Research Service Award from 2002-2007 (NIH-Minority Pre-doctoral Fellowship).

Elda Maria Román
Stanford University
Elda Maria Román is a fourth-year Ph.D. student in the English Department at Stanford. She specializes in 19th and 20th century American literature, with a particular emphasis on ethnic novels and media studies. Her dissertation, “Canaries out of the Coal Mine: Class Mobility and the Minority Middle Class” analyzes Chican@ and African American texts by mapping out the dominant narratives, character types and social spacesseen most often in conjunction with racialized minority characters as they negotiate their relationship to a majority class group. Her dissertation is grounded in literary as well as sociological theory and spans the 1850s through the present. Román received her B.A. in English and Latin American Studies from Brown University, and was the recipient of the Mellon-Mays Undergraduate Fellowship, a Ford Pre-doctoral Fellowship, and the Reinecke Scholarship.

Patricia Lee-Robinson
Patricia Lee-Robinson is the Prehealth Bioscience Program Director and an Associate Professor of Biology. Ms. Robinson received her B.A. from Mount Holyoke College and has a M.Ed., M.S. from the University of Hawaii. For the past several years she has spearheaded efforts for Chaminade’s science and mathematics students to participate in training and research experiences across the country through conferences, summer programs and networking relationships. Ms. Lee-Robinson is the Institutional Coordinator for the Leadership Alliance and serves on the Publications Committee. Ms. Lee-Rob, as she is known affectionately by students, is an outstanding student advocate and mentor. Additionally, Ms. Lee-Robinson is the site coordinator for Dr. Baldomero Olivera’s 2006 Howard Hughes Medical Institute Professor Hawaii project.

Yisa Rumala
University of Michigan, Ann Arbor
Yisa Rumala is currently a Ph.D. candidate in Applied Physics at the University of Michigan, Ann Arbor. His research involves laser cooling and trapping of ytterbium atoms for applications in atom interferometry and precision measurement of weak forces (e.g. gravity on the micron scale). Mr. Rumala received his B.S. degree in Physics and Mathematics from York College of the City University of New York, and his M.S. degree in Electrical Engineering from the University of Michigan, Ann Arbor. His honors include a Rackham Merit Fellowship and Applied Physics Fellowship (3 years), as well as an NSF Graduate Research Fellowship (3 years). He regularly serves as a science judge for the University of Michigan Physics Olympiad, and volunteers at various science shows to get high school students excited about science. His long-term goal is to be a professor at a major research institution.

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 (AHPD). She serves 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 (AChS). 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.

Jason Sello
Brown University
Jason Sello is an assistant professor in the Department of Chemistry at Brown University. Dr. Sello earned a B.S. in biology from Morehouse College in 1997 and a Ph.D. in biophysics in 2002 from Harvard University. His doctoral research in diversity-oriented organic synthesis was carried out in the laboratory of Dr. Stuart L. Schreiber in the Department of Chemistry and Chemical Biology. He performed postdoctoral research in enzymology with Dr. Christopher T. Walsh at Harvard Medical School and in Streptomyces genetics with Dr. Mark J. Buttimer at the John Innes Centre in Norwich, England. He is currently using experimental methods from chemistry, molecular biology and biochemistry to study antibiotic production by Streptomyces bacteria.

Evelyn M. Simien
University of Connecticut
Evelyn M. Simien is an associate professor in the Department of Political Science at the University of Connecticut. She earned her B.A. degree in Political Science from Xavier University of Louisiana, her M.A. and Ph.D. degrees in Political Science from Purdue University. A nationally recognized teacher, she received the 2006 Anna Julia Cooper Teacher of the Year Award from the National Conference of Black Political Scientists. She teaches Black leadership and civil rights, Black feminist politics, women and the Civil Rights Movement, as well as African American politics. Her book, Black Feminist Voices in Politics (SUNY Press, 2006), uses a national telephone survey of the adult African American population to determine the effects of race and gender on political behavior. Dr. Simien volunteers with Big Brothers/Big Sisters. She is married to Steven King, Jr. who is District Director for the Organization of New England Chapters of Alpha Phi Alpha Fraternity, Inc.

Laurel Southard
Cornell University
Laurel Southard is the Director of Undergraduate Research and Outreach in Biology at Cornell University. She directs the Cornell Hughes Scholar Program, the Leadership Alliance Summer Program, and the Cornell Institute for Biology Teachers. She did her undergraduate work at the University of New Mexico in biology and art. Her research with Dr. Alexander Kisch of the University of New Mexico School of Medicine inspired a lifelong love of infectious disease and her recognition of the power of mentoring and faculty support. She studied parasitology and tropical medicine at Tulane University before moving to Cornell. After studying the importance of capsid proteins in viruses for many years, she joined the Office of Undergraduate Biology in her current position, in addition to directing the programs above, she teaches and advises undergraduate biology majors.
degree from Hampton University, master's degree from University of Wisconsin. Dr. Taylor received his bachelor's degree at Cornell University, M.S. at Rutgers, Ph.D. from University of Pittsburgh and Visiting Scholar at the Carnegie Foundation at Stanford University, Adjunct Professor at the University of Chicago, Faculty at the University Corporation for Atmospheric Research and authored the Bridges to Doctrate Program from Jackson State University in 2004, where she received her M.S. in Biology. At IUSM, she is currently an Edwin T. Harper Scholar, serves as Vice-President of the Underrepresented Professional and Academic Graduate Student Organization, which she co-founded in 2005, and also tutors math and science at Crisis Attacks High School in Indianapolis. She will defend her Ph.D. this fall, and matriculate as a FIRST Postdoctoral Fellow at Emory University School of Medicine.

Nancy Thompson
Brown University

Nancy Thompson is Associate Dean for Graduate and Postdoctoral Studies and Professor of Medicine (Research).

As Associate Dean, she oversees funding, recruitment, professional development, mentoring and tracking of biomedical predoctoral, postdoctoral and masters trainers and acts as liaison with the Graduate School. She is co-PI of an NIH predoctoral “Initiative for Maximizing Student Development” grant.

Nancy has served on FASEB’s Minority Access to Research Careers (MARC) Advisory Board and previously directed the Brown Graduate Program in Pathobiology and was Co-PI of its Department of Education GAANN training grant.

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 scholarship efforts (1990-1999), managing the growth of the Corporate Scholars Program and laying the groundwork for the NASA partnership and alumni outreach activities.


Kenneth Warren
University of Chicago

Kenneth Warren teaches in the Department of English at the University of Chicago where he is the Fairfax M. Cone Distinguished Service Professor of English and Deputy Provost for Research and Minority Issues. His scholarship and teaching focus on American and African American literature from the late nineteenth century through the late twentieth century. He is particularly interested in the various ways that literary and artistic forms relate to political and social change.

His published works include two books, So Black and Blue: Ralph Ellison and the Occasion of Criticism (Chicago 2003) and Black and White Strangers: Race and American Literary Realism (Chicago 1993), as well as numerous articles on such figures as Henry James, Harriet Beecher Stowe, Leon Forrest, James Weldon Johnson, and W.E.B. Du Bois. He has served on the editorial boards of American Literary History, American Literature, Callaloo, and the Cambridge Studies in American Literature and Culture.

Thomas J. Webster
Brown University

Thomas I. Webster is an associate professor for the Division of Engineering and Department of Orthopaedics at Brown University. His degrees are in chemical engineering from the University of Pittsburgh (B.S., 1995) and in biomedical engineering from Rensselaer (M.S., 1997; Ph.D., 2000). Dr. Webster’s research designs, synthesizes, and studies the use of nanotechnology for improving various implant applications (such as orthopedic, cartilage, vascular, bladder, and the central and peripheral nervous systems). His lab group has generated 4 books, 33 book chapters, 85 invited presentations, 215 literature articles and/or conference proceedings, and 245 conference presentations. His technology has resulted in two start-up companies. He is the founding editor-in-chief of the International Journal of Nanomedicine and he is on the editorial board 10 other journals. His research has appeared in the Boston and London Science Museums and on NBC, ABC, and PBS (on Dragon Fly TV).
Karen Ball  
Manager of Finance and Administration  
Karen Ball is Manager of Finance and Administration for the Leadership Alliance Executive Office and organizes the annual Leadership Alliance National Symposium. Prior to joining the Executive Office staff in 2004, she served as Assistant to the Director of Brown University’s Center for the Study of Race and Ethnicity in America. Ms. Ball has held a variety of administrative positions at Brown since 1990, including Assistant to the Senior Vice President for Academic Outreach and Affiliated Programs, and coordinator of the Coalition of Essential Schools Regional Centers Project. Karen has a B.S. in Psychology from Oberlin College.

Maria DoVale  
Executive Assistant  
Maria DoVale is the Executive Assistant for the Leadership Alliance. In this capacity, Maria is responsible for providing administrative support for the executive office to ensure the successful implementation of Alliance programs and activities. She 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 5 1/2 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, Maria worked for American Express corporate travel for eight years. Ms. DoVale holds a B.A. in Travel & Tourism Management from Johnson & Wales University.

Medeva Ghee  
Associate Director  
Medeva Ghee is Associate Director of the Leadership Alliance. She graduated from North Carolina State University in 1991 with a bachelor’s degree in zoology and earned her M.S. and Ph.D. in microbiology in 1997 from New York University School of Medicine. Her postdoctoral research was conducted with a team of CNRS researchers in Paris, France, where she employed biochemical and gene therapy technologies to investigate the impact of protein aggregation in Parkinson's disease. In 2005, Dr. Ghee joined 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.
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.

Valerie Petit Wilson
Executive Director

Valerie Petit Wilson, Executive Director of the Leadership Alliance since 2003, is responsible for the overall leadership, direction and implementation of the activities and programs of the Alliance consortium. Dr. Wilson, formerly Associate Dean of Brown Graduate School, is the newly appointed Associate Provost and Director Institutional Diversity for Brown University, where she provides oversight of policies related to pluralism and equity, and initiates programs and leadership for practices that promote diversity, inclusion and fair treatment of all members of the University community. Prior to her tenure at Brown, Dr. Wilson was a clinical professor and Deputy Center Director at the Tulane University School of Public Health. In earlier years, she held positions of increasing responsibility in program administration and policy analysis at the NIH and HHS. She also served as Director, Division of Health Sciences Policy at the National Academy of Sciences’ Institute of Medicine for five years. Dr. Wilson received her B.S. degree in Chemistry/Pre-Med from Xavier University of Louisiana and her Ph.D. in Molecular Biology from the Johns Hopkins University.
E ach year the Leadership Alliance National Symposium (LANS) highlights one aspect of its overall theme “Taking the Next Step”. Our theme this year, “Creating the New Leadership”, is intended to assist you in realizing your potential as a new cadre of leaders. This aspiration – creating outstanding leaders – is at the core of the mission of the Leadership Alliance, and it is the inspiration we use to create programs that focus on providing the research experiences and intellectual opportunities necessary for the success of our trainees. Our work has begun to reap dividends as increasing numbers of Leadership alumni are taking their rightful places as leaders in the academic, public and private sectors.

The 21st century has provided a clear indication that a new type of leadership is essential. At least three attributes characterize this new leadership style: 1) development of knowledge across boundaries of disciplines and institutions, requiring newer forms of collaboration and participatory research; 2) communication with clarity and purpose to harness the rapid increases in information developed by the global community; and, 3) active engagement of people from a variety of backgrounds and experiences to bring vitality and relevance to the solutions that address the challenges of today.

You will experience a taste of all this at LANS, because with its participating network of trainees, scholars, and administrators, LANS serves the common purpose of promoting your successful next step toward leadership in your chosen profession. LANS will provide the opportunity for additional mentoring in your research endeavors, supportive coaching in your communication skills and a welcome induction into the Leadership Alliance Network. Use LANS to clarify your true purpose, synergize your progress and catalyze the inspiration necessary for you to join with our other alumni in your rightful place as a part of the new leadership for the 21st century!

O n behalf of the Leadership Alliance National Symposium (LANS) Committee, I am delighted to welcome you to the 2009 Symposium. This year’s theme “Creating the New Leadership” was selected to underscore our hope that the LANS will indeed promote the development of future scholars and leaders in the academy.

A distinct feature of LANS is the integrated approach to providing young scholars with a conducive and welcoming environment to share their research, to network and to find mentors and other resources that will prepare them for successfully entering Ph.D. programs. This year, there are many more opportunities for undergraduates to interact with graduate students, doctoral scholars and faculty and administrators from leading academic institutions across the country. We hope that you will take advantage of these many networking activities.

LANS is unique in bringing together many outstanding students from institutions across the country who conducted research this summer in the humanities, social sciences, life sciences and physical sciences fields. The interdisciplinary nature of this Symposium will hopefully generate stimulating discussions across a broad range of topics. In these challenging times, we are truly gratified that there are so many committed and motivated students who are prepared to take up the hard task of pursuing the research questions of our time through unique and diverse perspectives. The SR-EIP participants inspire all of us and remind us about the importance of creating a community of scholars who can learn and draw lessons from the past but who look forward to the future with optimism and with a genuine desire to make a difference in our ever more global and diverse community.

Congratulations to all of our SR-EIP participants, and we hope you enjoy the 2009 Symposium!

Welcome to the 2009 Leadership Alliance National Symposium!
The Leadership Alliance is an academic consortium of 33 institutions of higher learning, including leading research and teaching colleges and universities. The mission of the Alliance is to develop underrepresented students into outstanding leaders and role models in academia, business and the public sector.