The Leadership Alliance
Symposium 2008

THE PROMISE OF LEADERSHIP
CELEBRATING THE FIRST 100 PHDs

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THE MARRIOTT FLOOR PLAN
# The Leadership Alliance National Symposium

**July 25-27, 2008**

## Program At-a-Glance

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<th>Time</th>
<th>General Sessions</th>
<th>Undergraduate Sessions</th>
<th>Graduate Sessions</th>
<th>Coordinators, Mentors &amp; PhDs</th>
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<tr>
<td>Day 1 - Orientation &amp; Networking</td>
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<td>11:00 a.m. - 3:00 p.m.</td>
<td>Registration &amp; Photos</td>
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<td>11:00 a.m. - 3:00 p.m.</td>
<td>PowerPoint Prep</td>
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<td>1:00 p.m. - 3:00 p.m.</td>
<td>Networking Receptions by Discipline</td>
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<td>Marriott Hotel</td>
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<td>3:00 p.m. - 5:15 p.m.</td>
<td>Orientation, Networking, and Funding Sessions by Discipline</td>
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<td>5:30 p.m. - 6:45 p.m.</td>
<td>Marriott Hotel</td>
<td>PowerPoint Prep</td>
<td>Moderator Training</td>
<td>Topic Table Discussions</td>
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| 7:00 p.m. - 9:30 p.m. | Welcome
Keynote Speaker: Dr. Michael Lomax, UNCF
Dinner
Alumni Career Panel |  |  | Convention Center |
| 9:30 p.m.- 10:30 p.m. | Marriott Hotel | PowerPoint Prep |  | Reception for PhDs, Mentors, Coordinators, Grad Students |
| Day 2 - Student Presentations & Celebrations |
| 7:30 a.m. - 7:00 p.m. | Registration - Marriott Hotel |  |  |  |
| 7:30 a.m. - 8:30 a.m. | Breakfast - Marriott Hotel | Networking breakfasts by discipline | Student Posters Setup |  |
| 8:45 a.m. - 9:45 a.m. | Poster Presentations - Session I |  |  |  |
| 9:45 a.m. - 10:45 a.m. | Poster Presentations - Session II |  |  |  |
| 10:45 a.m.- 11:00 a.m. | Breakdown Posters / Coffee Break |  |  |  |
| 11:15 a.m. - 12:30 p.m. | Oral Presentations - Session I |  |  |  |
| 12:45 p.m. - 2:15 p.m. | Lunch - Marriott Hotel | Panel: The Graduate School Experience | Panel: Life After Graduate School | Panel: Navigating Your Career |
| 2:30 p.m. - 3:45 p.m. | Oral Presentations - Session II |  |  |  |
| 3:45 p.m. - 4:00 p.m. | Break/Snack |  |  |  |
| 4:15 p.m. - 5:30 p.m. | Oral Presentations - Session III |  |  |  |
| 5:30 p.m. - 7:00 p.m. | Break/Photos/Free Time |  |  |  |
| 7:00 p.m. - 9:30 p.m. | Dinner and Gala Celebration |  |  |  |
| 9:30 p.m. - 12:30 a.m. | Gala Celebration Dance |  |  |  |
| Day 3 - Recruiting Fair & Next Steps |
| 8:00 a.m. - 9:45 a.m. | Breakfast - Marriott Hotel | Panel: The Graduate School Application Process | Workshop: Completing Your Dissertation | Coordinators, Mentors, and PhDs - Breakfast in Room of Your Choice |
| 10:00 a.m. - 12:00 p.m. | Recruiting Fair |  |  | Convention Center |
| 12:00 p.m. - 12:30 p.m. | Fill out surveys |  |  |  |
| 12:30 p.m. - 1:00 p.m. | Closing Remarks |  |  | Marriott Hotel |
| 1:00 p.m. | Box Lunches/Adjourn |  |  |  |
Leadership Alliance National Symposium

Agenda 2008

FRIDAY, JULY 25

Leadership Alliance Conference Registration ........................................................... 11:00 am-3:00pm
  Marriott Pre-Function

PowerPoint Preparation I ........................................................................................... 11:00 am-3:00pm
  Marriott Capital Room 1

Professional Headshots ............................................................................................... 11:00 am-3:00pm
  Marriott Foyer A, B

Receptions by Discipline .............................................................................................. 1:00pm - 3:00pm
  Biosciences - Marriott Ballroom A,B,C
  Social Sciences & Humanities - Marriott Ballroom D,E
  Engineering & Physical Sciences - Marriott Capital Room 3

Orientation/Networking/Funding Sessions by Discipline .........................................3:00pm - 5:15pm
  Biosciences - Marriott Ballroom A,B,C
  Social Sciences & Humanities - Marriott Ballroom D,E
  Engineering & Physical Sciences - Marriott Capital Room 3

Moderators training .....................................................................................................5:30pm - 6:45pm
  Marriott Capital Room 3

PowerPoint Preparation II ...........................................................................................5:30pm - 6:45pm
  Marriott Capital Room 1

Student Posters Setup .................................................................................................. 5:45pm – 6:45pm
  Convention Center Ballroom A

PhDs Topic Table Discussions ....................................................................................5:45pm - 6:45pm
  Marriott Ballroom D, E

Welcome/Keynote Speaker ........................................................................................ 7:00pm – 7:30pm
  Convention Center Ballroom B
  • Valerie P. Wilson, Symposium Host
    Executive Director, Leadership Alliance
  • Dr. Michael Lomax
    President, United Negro College Fund

Dinner ........................................................................................................................ 7:30pm – 8:15pm
  Convention Center Ballroom B

Alumni Career Panel .................................................................................................... 8:45pm - 9:30pm
  Convention Center Ballroom B
  Moderator: Medeva Ghee, Associate Director, The Leadership Alliance
  • Jocelyn Hicks-Garner, Research Scientist at Analytical Chemistry, HRL Laboratories, LLC
  • Ferentz LaFargue, Assistant Professor of African & American and American Studies, The New School for Liberal Arts
  • Nikia Laurie, Assistant Professor of Pathobiology, Northwestern Children’s Research Hospital
  • Zarixia Zavala-Ruiz, Assistant Professor of Biochemistry, University of Puerto Rico-Rio Piedras
FRIDAY, JULY 25, Continued

- PowerPoint Preparation III (for late arrivals) ........................................ 9:30pm - 10:30pm
  Marriott Capital Room 1
- Reception for PhDs, Mentors, Coordinators, Graduate Students ............ 9:30pm - 10:30pm
  Marriott Ballroom A, B

SATURDAY, JULY 26

- Leadership Alliance Conference Registration ........................................ 7:30am - 7:00pm
  Marriott Pre-Function
- Student Posters Setup ........................................................................... 7:30am - 8:30am
  Convention Center Ballroom A
- Networking Breakfasts for Undergraduates by Discipline ..................... 7:30am - 8:30am
  Biosciences - Marriott Ballroom A, B, C
  Social Sciences & Humanities - Marriott Ballroom D, E
  Engineering & Physical Sciences - Marriott Capital Room 3
- Breakfast for Graduate Students and PhDs .......................................... 7:30am – 8:30am
  Everything You Always Wanted to Know But Were Afraid to Ask
  Marriott Capital Room 2, 3
  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 Session I ................................................... 8:45am - 9:45am
  Convention Center Ballroom A
- Student Poster Presentations Session II .................................................. 9:45am - 10:45am
  Convention Center Ballroom A
- Coffee Break / Break down posters ....................................................... 10:45am - 11:15am
  Prefunction Convention Center Ballroom A
- Student Oral Presentations Session I ..................................................... 11:15am - 12:30am
  Convention Center Meeting Rooms (Ballroom Level)
- Lunch & Panel Discussion for Undergraduates ...................................... 12:45pm - 2:15pm
  The Graduate School Experience
  Marriott Ballroom A, B, C
  Moderators: Liza Cariaga-Lo, Harvard University
  Pamela Scott-Johnson, Morgan State University
  - Shella Saint Fleur, New York University School of Medicine, MD/PhD
  - Albert Hayward, University of Miami, Developmental Neurobiology
  - Jennifer Johnson, Princeton University, History
  - Oscar Martinez, University of Colorado, Physical Chemistry
Lunch & Panel Discussion for Graduate Students: .................................................. 12:45pm - 2:15pm
Life after Graduate School
Marriott Ballroom D, E
Moderator: Wendy Williams, The Children’s Hospital of Philadelphia, National Postdoctoral Association Board Member
• Dawn Brown, Postdoctoral Scientist, Eli Lilly
• Kyndra Middleton, Educational Testing Service
• Landon Reid, Assistant Professor of Psychology, Colgate University
• Rachelle Salomon, Program Officer for Basic Influenza Research, National Institute of Allergy and Infectious Diseases

Lunch & Panel Discussion for Doctoral Scholars .................................................. 12:45pm - 2:15pm
Navigating Your Career
Marriott Capital Room 2, 3
Moderator: John Wilson, Dillard University
• Liza Cariaga-Lo, Assistant Provost for Faculty Development & Diversity, Harvard University
• Willie Pearson, Jr., Professor, School of History, Technology, and Society, Georgia Institute of Technology
• Carlos Ramos, Dean for Academic Affairs, University of Puerto Rico
• Nancy Schwartz, Dean for Graduate and Postdoctoral Affairs In the Division of Biological Sciences, University of Chicago
• Valerie Wilson, Executive Director, The Leadership Alliance

Student Oral Presentations Session II ........................................................................ 2:30pm - 3:45pm
Convention Center Meeting Rooms (Ballroom Level)
Break/Snack .................................................................................................................. 3:45pm - 4:00pm
Convention Center Ballroom B
Student Oral Presentations Session III....................................................................... 4:15pm - 5:30 pm
Convention Center Meeting Rooms (Ballroom Level)
Break/Free Time/Photos .............................................................................................. 5:30pm - 6:45pm
Convention Center Pre-Function Area
Dinner & Gala Celebration .......................................................................................... 7:00pm - 9:30pm
Convention Center Ballroom B
Gala Celebration Dance ............................................................................................. 9:30pm – 12:30am
Convention Center Ballroom A
SUNDAY, JULY 27

Exhibitors Set-up for Recruiting Fair ......................................................................................... 7:30am - 10:00am
Convention Center Ballroom C

Breakfast Panels ......................................................................................... (Breakfast served 8:00 – 8:45am. Panels begin 8:45am)

  The Graduate School Application Process: .......................................................... 8:45am - 9:45am

  **BIOSCIENCES**
  Marriott Ballroom A,B,C
  Moderator: Joel Oppenheim, New York University School of Medicine
  • Michael Gaines, Assistant Provost, University of Miami
  • Tenea Nelson, Director, Diversity and Outreach Programs – Genetics, Stanford University School of Medicine
  • Laurel Southard, Director of Undergraduate Research, Cornell University
  • Jocelyn Spragg, Faculty Director, Diversity Programs, Division of Medical Sciences

  **SOCIAL SCIENCES & HUMANITIES**
  Marriott Ballroom D E
  Moderator: Cynthia Neal-Spence, Spelman College
  • Liza Cariaga-Lo, Assistant Provost for Faculty Development & Diversity, Harvard University
  • Terry Plater, Associate Dean for Academic Affairs, Cornell University
  • David Redman, Associate Dean of Academic Affairs, Princeton University

  **ENGINEERING & PHYSICAL SCIENCES**
  Marriott Capital Room 1
  Moderator: Mark Hernandez, University of Colorado at Boulder
  • Beverly Hartline, Dean of the College of Mathematics, Natural Sciences, and Technology, Delaware State University
  • Noe Lozano, Associate Dean, Student Affairs, Stanford University
  • Edward Marshall, Coordinator of Recruitment and Special Programs, Biomedical Graduate Studies, University of Pennsylvania

Graduate Student Breakfast Seminar ..................................................................................... 8:45-9:45am

  Completing Your Dissertation
  Marriott Capital Room 2, 3
  Moderator: Roosevelt Ratliff, Assistant Vice President for Leadership Development, Claflin University
  • Wendy Carter, University of Maryland, Baltimore County

Recruiting Fair/ Exhibitors ................................................................................................. 10:00am - 12:00pm
Convention Center Ballroom C

Fill out surveys .................................................................................................................. 12:00pm - 12:30pm
Marriott Ballroom

Box Lunches / Closing Remarks .................................................................................. 12:30pm - 1:00pm
Marriott Ballroom

Adjourn & Departures ................................................................................................................. 1:00pm
Marriott Ballroom
As president and chief executive officer of the United Negro College Fund (UNCF), Dr. Michael L. Lomax heads the nation's largest and most successful minority higher education assistance organization. Through its headquarters in Fairfax, Virginia, and 24 field offices across the country, UNCF annually provides operating and program funds to its 39 member private historically black colleges and universities (HBCUs) and their 55,000 students. In addition, it manages more than 400 scholarship programs that support approximately 8,000 students at over 900 of the nation's colleges and universities. In the course of its 64-year history, UNCF has raised and distributed over $2.5 billion and has assisted over 300,000 students in earning undergraduate degrees. In 1999, UNCF received over $1 billion, the largest private gift to American higher education, from the Bill & Melinda Gates Foundation to administer the Gates Millennium Scholars program, which provides outstanding minority students with an opportunity to complete their undergraduate and graduate college educations.

Dr. Lomax joined UNCF after serving in a series of high-level academic and political positions. Immediately before joining UNCF, he served seven years as president of Dillard University in New Orleans.

Dr. Lomax went to Dillard after thirty years in Atlanta, where he pursued simultaneous full-time careers as a university professor and public servant. He graduated Phi Beta Kappa from Atlanta's Morehouse College (the alma mater of Dr. Martin Luther King) and, after receiving his M.A. degree from Columbia University and his Ph.D. in American and African American literature from Emory University, taught literature at Morehouse and Spelman Colleges and the University of Georgia.

At the same time, he became a prominent figure in Atlanta government and politics. He began his public service as an assistant to Maynard Jackson, Atlanta's first African American mayor, and went on to serve as the first head of Atlanta's Bureau of Cultural Affairs. In 1978, he was elected to the Fulton County Board of Commissioners. Two years later, he became the Board's chairman, the first African American ever to hold that position and served in that position for twelve years.

Dr. Lomax is a trustee of Emory University, a member of the founding Council of the Smithsonian Institution's National Museum of African American History and Culture, and a member of the Boards of Directors of Teach for America, The KIPP Foundation, The Carter Center, the High Museum of Art in Atlanta, the Studio Museum in Harlem, The Bill T. Jones Dance Company and the National Black Arts Festival, of which he was founding chair. President George W. Bush appointed him to the President's Board of Advisors on Historically Black Colleges and Universities. He has also received numerous awards including The Laurel Crowned Circle Award from Omicron Delta Kappa (2006), the distinguished Emory Medal, the Candle in the Dark award from Morehouse College and several honorary degrees.

Dr. Lomax and his wife, Cheryl Ferguson Lomax, have two daughters, Michele and Rachel. His oldest daughter, Deignan, graduated from Dillard University in 2000.
### 11:15 AM

<table>
<thead>
<tr>
<th>BB Alexander Jr., Blair</th>
<th>CTCC-15</th>
<th>Elucidating the Mechanism of Chloramphenicol Resistance in Streptomyces coelicolor</th>
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<tbody>
<tr>
<td>BB Andrews, Omozusi</td>
<td>CTCC-11</td>
<td>The YY1 REPO Domain Induces Cell Death in Prostate Cancer Cells</td>
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<td>SS Aragon, Oriana</td>
<td>CTCC-24</td>
<td>Predicting the &quot;Jekyll &amp; Hyde&quot; Effect: The Influence of Social Threat on Segregated and Integrated Information Processing</td>
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<tr>
<td>BB Benezra, Sam</td>
<td>CTCC-13</td>
<td>Characterizing the Viral DNA Response in Drosophila S2 Cells</td>
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<td>BB Carroll, Johanna</td>
<td>CTCC-12</td>
<td>An Investigation of the Influence of Nitration on Ribonuclease A Structure and Dynamics</td>
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<td>EN Cordero Gonzalez, Jose</td>
<td>CTCC-22</td>
<td>Design of New Microwave Components Using Micro Coaxial Lines</td>
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<td>BB Diaz-Torres, Jose</td>
<td>CTCC-21</td>
<td>Characterization of Protein Expression Mechanisms of Novel Cell Death Pathways</td>
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<tr>
<td>SS Garbinsky, Emily</td>
<td>CTCC-25</td>
<td>Is Infant Learning and Imitation Selective?</td>
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<td>EN Griego, Danielle</td>
<td>CTCC-23</td>
<td>Addressing Challenges in Developing Greenhouse Gas Inventories for Small, Destination-Resort Cities: A Case Study of Central City, Colorado</td>
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<tr>
<td>BB Larson, Danielle</td>
<td>CTCC-16</td>
<td>A Novel Negative Regulator of the Wnt Pathway?</td>
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<td>AB Litts, Katie</td>
<td>CTCC-14</td>
<td>The Effect of Blebbistatin on the Self Assembly of Toroidal Microtissues</td>
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<tr>
<td>SS Nothelfer, Christine</td>
<td>CTCC-26</td>
<td>Perception and Shot Sequence Structure in Hollywood Film</td>
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<td>SS Oji, Ozioma</td>
<td>CTCC-27</td>
<td>Understanding Race in Society</td>
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<tr>
<td>BB Tuyishime, Steven</td>
<td>CTCC-17</td>
<td>Evaluating Vaccine-Induced Immune Responses in a Murine Model of Lymphocytic Choriomeningitis Virus Infection</td>
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### 11:30 AM

<p>| BB Ahsan, Lusana         | CTCC-15 | Micro RNA Overexpression and Development of Dictyostelium discoideum             |
| HU Bird, Sofiana         | CTCC-26 | Change or Improvement? Cinematic Representation of Women                         |
| BB Bowen, Alicia         | CTCC-12 | The Effect of Schiff Base Protonation on Photointermediate Wavelengths in Ultraviolet Visual Pigment |
| SS Cunningham, Sarah     | CTCC-24 | Racial Differences in Women's Perceptions of Interracial Domestic Abuse Cases     |
| BB Esmaili, Melody       | CTCC-13 | Regulation of Lipid Metabolism in Drosophila melanogaster                         |
| AB Evans, April          | CTCC-17 | Access to HIV Care in a Rural District of Kenya                                  |
| BB Glenn, Justin         | CTCC-14 | Investigation Of Pathogen-Associated Molecular Pattern (PAMP) Sensing By Lymph Node Stromal Cells |
| PS Hamlette, William     | CTCC-22 | Modeling Library Circulation Flow, Multi-Dimensional Research                    |
| SS Hoover, Iris-Ann     | CTCC-27 | A Portrait of Poverty: How Structural Economic Conditions have Influenced Poverty Rates within the Northern East Coast |
| ES Kazeem, Niahm         | CTCC-23 | Phylogenetic Analysis of Flea Populations in Boulder, Colorado                    |
| BB Kyaw, Maung-Tin Htoo  | CTCC-16 | The Effects of SPP24 Regulation on Mineralization in a Dynamic Collagen Gel System |
| BB Munoz, Jessian        | CTCC-21 | Functional Characterization of TRPC7                                              |</p>
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<tr>
<th>Time</th>
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<tr>
<td>11:45 AM</td>
<td>Analysis of Tetraploid ES cells with Histone Fluorescent Proteins</td>
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<td>The Effect of the ADH1 Allele on Candida albicans Growth in vivo</td>
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<td>Cellular Response of CD4 T-Cells after Stimulation with HIV Protein gp120</td>
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<td>The Genes Governing Planar Cell Polarity (PCP) in the Late Embryonic Epidermis of Drosophila</td>
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<td>Why Not Botticelli? Re-examining the Role of Alessandro Botticelli through the Works of Raphael</td>
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<td>Charity or Contempt? The Stereotype Content Model and Social Class Ambivalence</td>
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<td>Studies on the Role of the Scaffold Protein Spinophilin in Regulation of Platelet Activation in vivo and in vitro</td>
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<td>Inhibition of Human Dendritic Cells with Apoptotic Material</td>
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<td>Effect of the Nutrition Assistance Program on the Puerto Rican Population’s Support for the Independence Party</td>
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<td>The Impact of Attention Deficit Disorder on Mind-Wandering</td>
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<td>Altering the Activity of a DeNovo Designed Di-iron Carboxylate Enzyme</td>
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<td>Effects of Microgravity on Painter Lady Butterflies and Orb Weaver Spiders</td>
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<td>The Hormone-dependent and -independent Regulation of p23 Localization in Breast Cancer</td>
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<tr>
<td>12:00 PM</td>
<td>Identification of Novel Antimicrobials</td>
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<td>CD44 V3 as an Apoptotic Factor in Breast Cancer Cells</td>
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<td>They’re Tryin’ To Wash Us Away: Analyzing the Factors Affecting Recovery in Post-Katrina New Orleans</td>
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<td>Integrated Stress Response in the Central Nervous System of Patients with HIV-Associated Neurocognitive Deficit</td>
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<td>Identification of a KH7-Resistant Mutant of Soluble Adenylyl Cyclase</td>
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<td>Effect of Tau Protein on the Rate of Microtubule Growth</td>
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<td>Focus of Attention in Relationships</td>
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<td>Arf Family GTPases and Cell Contact Mediated Polarization in C. elegans Embryos</td>
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<td>Synthesis of Carbohydrate Analogues of the beta-THF Acetogenin Group of Anti-tumor Agents</td>
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<td>Paratexts and Epitexts: &quot;Oprah&quot; and “Literary Culture”</td>
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<td>A Testbed for Control Moment Gyroscope Actuated Robotics</td>
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<td>Standardized Observation of How Teachers Effectively Manage Behavior in Pre-K Classrooms</td>
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<td>14-3-3: A Potential Mediator between Potassium Channels HERG and KVLQT1 in Long QT Syndrome</td>
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### 12:15 PM

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<thead>
<tr>
<th>Time</th>
<th>Name, First Name</th>
<th>CTCC</th>
<th>Title</th>
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<tbody>
<tr>
<td></td>
<td>PE Hutchinson, Nzinga</td>
<td>CTCC-27</td>
<td>Environmental Racism's Impact on Minority Communities</td>
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<td>PS Hyppolite, Lindsey</td>
<td>CTCC-22</td>
<td>Determination Of Free Fuel Cell Fluoride by Colormetric Analysis</td>
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<td>AB Lezeau, Lynchy</td>
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<td>Identification of Recombination Between Two or More Genetically Distinct HIV-1 Strains in Dually-Infected Individuals from Cameroon</td>
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<td>SS Mohammadian, Linda</td>
<td>CTCC-24</td>
<td>Effects of Physiological Arousal on Perception of Social Support</td>
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<td>BB Mooney, Erin</td>
<td>CTCC-16</td>
<td>Regulation of RelB Stability by Lysine 414 and Lysine 217</td>
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<td>HU Moralez, Felicia</td>
<td>CTCC-26</td>
<td>Mexican Americans and the Popular Media in the Twentieth Century</td>
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<td>BB Obih, Ugochi</td>
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<td>Effect of BRCA2 in Response to DNA Replication Stress</td>
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<td>AB Perez, Justin</td>
<td>CTCC-15</td>
<td>Generation of Antibodies against P. berghei TLP for Localization Studies</td>
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<td>BB Resemann, Henrike</td>
<td>CTCC-21</td>
<td>Combining the Proteasome Inhibitors Bortezomib and Ritonavir to Induce Apoptosis in Multiple Myeloma Cells</td>
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<td>PS Thomas, Marcus</td>
<td>CTCC-23</td>
<td>The Search for the Higgs</td>
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<tr>
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<td>BB Vargas, Eric</td>
<td>CTCC-13</td>
<td>Characterizing the Role of CG2264 in the Drosophila Testis Stem Cell Niche</td>
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<tr>
<td></td>
<td>AB Yang, Yihwa</td>
<td>CTCC-14</td>
<td>3-D Self-assembly Characteristics of Human Granulosa Cell Line HGL-5 and Potential Applications for in vitro Maturation</td>
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<tr>
<td></td>
<td>BB Zhuo, Weipeng</td>
<td>CTCC-12</td>
<td>Alternative Pathway for Selenocysteine Biosynthesis</td>
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### 2:30 PM

<table>
<thead>
<tr>
<th>Time</th>
<th>Name, First Name</th>
<th>CTCC</th>
<th>Title</th>
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<tbody>
<tr>
<td>2:30 PM</td>
<td>BB Anwar, Talha</td>
<td>CTCC-14</td>
<td>Regulation of the Initial Step in Immunoglobulin Heavy Chain Gene Assembly</td>
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PE Revey, Scott  CTCC-25  Political Context and Perceptions of Corruption in Mexico

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AB Chamorro, Laura  CTCC-11  Fruit and Vegetable Intake as a Function of Race/Ethnicity and Gender in College Students

AB Delgado Torres, Nayla  CTCC-12  Aversive Learning and Memory Retrieval in an Animal Model of Schizophrenia

AB Diggs, Jerrice  CTCC-14  The Role of the G Protein-coupled Receptors G2A and GpBAR in Macrophage Phenotype and Activation

EN Disa, Ankit  CTCC-22  Characterization of the Electrical Transport Properties of Epitaxially-Grown Co3O4 and Non-Stoichiometric CoFe2O4 Thin Films

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AB Imonugo, Ogechukwu  CTCC-17  The Relationship Between Isolation Rearing and Stress-Induced c-fos Expression Levels in the Medial Prefrontal Cortex of Male and Female Rats

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AB Lyn-Cook, Lascelles  CTCC-16  Hepatic Ceramide Mediates Brain Insulin Resistance and Degeneration in Type 2 Diabetes Mellitus (T2DM) and Metabolic Syndrome

BB Naeem, Taiyabah  CTCC-15  Molecular Analysis of B3GALTL in a Patient with Peters Plus Syndrome

PE Sablan, Jenna  CTCC-25  The Politics of Special Education Financing

BB Saulsberry, Loren  CTCC-21  Encoding of the Cough Reflex: Role of Nitric Oxide Signaling in the Brain Stem

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AB Lopez, Carla  CTCC-12  Influence of Lifestyle Factors and BDNF Genotype on Stress-Induced Cognitive and Behavioral Impairment

AB May, Brittany  CTCC-11  The Role and Effects of Sleep Quantity on BMI and Exercise of SisterTalk Participants

BB McKenzie, Sade  CTCC-16  Role of Mast Cells and Local Renin Angiotensin System in Pancreas in a Model of Type I Diabetes

SS Myers, Erica  CTCC-27  Handheld Computer System for Collecting Real Time Observational Data of Young Children

BB Oriola, Olubukola  CTCC-15  Interaction of Hox Proteins and DNA Cofactor Extradenticle with DNA

BB Raghavan, Vidya  CTCC-14  Probing the Relationship between High Endothelial Venules and Lymphatic Vessels in Immunized Mice

PS Ramson, Bryan  CTCC-23  Jet Finding in p+p Collisions at vsNN = 400 GeV at RHIC

BB Rodriguez, Lilia  CTCC-17  Nicotine Modulates Electrophysiological Correlates of Fear Memory

BB Vidable, Lucia  CTCC-21  Alcoholic C57’s: Assessing Voluntary Alcohol Consumption in beta-3 and alpha-6 Knockout Mice

SS West, Lanore  CTCC-24  The Use of the Peer Play Code in Observing Social Interaction of Young Children
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**Applied and Basic Biosciences**

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<td>Zunamys Carrero</td>
<td>CD44 V3 as an Apoptotic Factor in Breast Cancer Cells</td>
<td>CTCC-11</td>
</tr>
<tr>
<td>12:15 PM</td>
<td>Ugochi Obih</td>
<td>Effect of BRCA2 in Response to DNA Replication Stress</td>
<td>CTCC-11</td>
</tr>
</tbody>
</table>

### Paloma Vargas, New York University School of Medicine

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<thead>
<tr>
<th>Time</th>
<th>Presenter</th>
<th>Title</th>
<th>Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>2:30 PM</td>
<td>Ruby Jackson-Atogi</td>
<td>Characterization of 2-Transmembrane Protein Superfamilies of Plasmodium falciparum</td>
<td>CTCC-11</td>
</tr>
<tr>
<td>2:45 PM</td>
<td>Natalie Ramsey</td>
<td>Identification of Insulators in the Malaria Parasite Plasmodium falciparum</td>
<td>CTCC-11</td>
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<tr>
<td>3:00 PM</td>
<td>Alice Ford</td>
<td>Genetic Diversity of the Human Malaria Parasite Plasmodium vivax</td>
<td>CTCC-11</td>
</tr>
<tr>
<td>3:15 PM</td>
<td>Tian Liang</td>
<td>Examining the Role of the Surface Protein TRAP on Plasmodium sporozoite Motility and Invasion</td>
<td>CTCC-11</td>
</tr>
<tr>
<td>3:30 PM</td>
<td>Karissa Grier</td>
<td>Development of New Method to Investigate V. cholerae Genes Involved in Virulence Expression</td>
<td>CTCC-11</td>
</tr>
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</table>

### Michline Brice, University of Maryland Eastern Shore

<table>
<thead>
<tr>
<th>Time</th>
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<th>Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>4:15 PM</td>
<td>Larna Old Elk</td>
<td>Healing Our Own: Cancer Support Services on Crow Indian Reservation</td>
<td>CTCC-11</td>
</tr>
<tr>
<td>4:30 PM</td>
<td>Laura Chamorro</td>
<td>Fruit and Vegetable Intake as a Function of Race/Ethnicity and Gender in College Students</td>
<td>CTCC-11</td>
</tr>
<tr>
<td>4:45 PM</td>
<td>Brittany May</td>
<td>The Role and Effects of Sleep Quantity on BMI and Exercise of SisterTalk Participants</td>
<td>CTCC-11</td>
</tr>
<tr>
<td>5:00 PM</td>
<td>Andre’ Whittington</td>
<td>The Association of Maternal Weight in Pregnancy on Birth Weight and Post-Natal Weight Gain</td>
<td>CTCC-11</td>
</tr>
<tr>
<td>5:15 PM</td>
<td>Cathryn Westra</td>
<td>Measuring the Parameters and the Efficiency of the PNS FISH Test for Detecting Staphylococcus aureus in the Hospital Laboratory</td>
<td>CTCC-11</td>
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### CTCC-12

**Applied and Basic Biosciences**

<table>
<thead>
<tr>
<th>Time</th>
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<th>Room</th>
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<tbody>
<tr>
<td>11:15 AM</td>
<td>Johanna Carroll</td>
<td>An Investigation of the Influence of Nitration on Ribonuclease A Structure and Dynamics</td>
<td>CTCC-12</td>
</tr>
<tr>
<td>11:30 AM</td>
<td>Alicia Bowen</td>
<td>The Effect of Schiff Base Protonation on Photointermediate Wavelengths in Ultraviolet Visual Pigment</td>
<td>CTCC-12</td>
</tr>
<tr>
<td>11:45 AM</td>
<td>Christina Sanchez</td>
<td>Altering the Activity of a DeNovo Designed Di-iron Carboxylate Enzyme</td>
<td>CTCC-12</td>
</tr>
<tr>
<td>12:00 PM</td>
<td>Jerard Kneifati-Hayek</td>
<td>Identification of a KH7-Resistant Mutant of Soluble Adenyllyl Cyclase</td>
<td>CTCC-12</td>
</tr>
<tr>
<td>12:15 PM</td>
<td>Weipeng Zhuo</td>
<td>Alternative Pathway for Selenocysteine Biosynthesis</td>
<td>CTCC-12</td>
</tr>
</tbody>
</table>
### Heather Flores, Cornell University 2:30-3:45

- **David Brauer**
  - Splicing and Downstream Target Effects of a Heritable Mutation in a Novel Human Sex-determining Gene
  - Time: 02:30 PM
- **Megan Thibodeaux**
  - The Effects of Genomic Instability Associated with Defective DNA Mismatch Repair Mechanisms on Short Tandem Repeat Loci Commonly Used in Forensic Human Identity Testing from Patients with Ulcerative Colitis
  - Time: 02:45 PM
- **Jaime Guerra**
  - High Mutation Rate in a Mitochondrial Microsatellite in the Tree Swallow (Tachycineta bicolor); Possibly the Largest Mutation Rate of Any Species
  - Time: 03:00 PM
- **Xuan Pham**
  - Sequence Analysis in a Region of Chromosome 10q23 Associated with a Schizophrenia Phenotype
  - Time: 03:15 PM
- **José Rodríguez**
  - Genetic Analysis of the Proteasome-Rad23 Interaction
  - Time: 03:30 PM

### Rohan Palmer, University of Colorado at Boulder 4:15-5:30

- **Joana Amaral**
  - Does Exenatide (Byetta) Have Antidepressant Activity?
  - Time: 04:15 PM
- **Nayla Delgado Torres**
  - Aversive Learning and Memory Retrieval in an Animal Model of Schizophrenia
  - Time: 04:30 PM
- **Carla Lopez**
  - Influence of Lifestyle Factors and BDNF Genotype on Stress-Induced Cognitive and Behavioral Impairment
  - Time: 04:45 PM
- **Raul Martinez**
  - Voltage-gated Calcium Channels and their Role in Autism and Autism Spectrum Disorders
  - Time: 05:00 PM
- **Nora Pencheva**
  - Regulation of Dopamine Release in the Nucleus Accumbens Core
  - Time: 05:15 PM

### CTCC-13 Applied and Basic Biosciences

#### Albert Hayward, University of Miami 11:15-12:30

- **Sam Benezza**
  - Characterizing the Viral DNA Response in Drosophila S2 Cells
  - Time: 11:15 AM
- **Melody Esmaeili**
  - Regulation of Lipid Metabolism in Drosophila melanogaster
  - Time: 11:30 AM
- **Czestochowa Francois**
  - The Genes Governing Planar Cell Polarity (PCP) in the Late Embryonic Epidermis of Drosophila
  - Time: 11:45 AM
- **Tulsi Patel**
  - Arf Family GTPases and Cell Contact Mediated Polarization in C. elegans Embryos
  - Time: 12:00 PM
- **Eric Vargas**
  - Characterizing the Role of CG2264 in the Drosophila Testis Stem Cell Niche
  - Time: 12:15 PM

#### Melvys Valledor, University of Miami 2:30-3:45

- **Nicole de Paz**
  - Blocking Transcription of Whole Bone Marrow Cells Co-cultured with Lung Cells Using Actinomycin D
  - Time: 02:30 PM
- **Stephanie Dusaban**
  - Transcriptional Regulation of the Human Neuropeptide Neuromedin U in Hematopoietic Cells
  - Time: 02:45 PM
- **Anny Reyes**
  - Effects of Estrogen and Thyroid Hormone on Gene Expression
  - Time: 03:00 PM
- **Maria Sacta**
  - The Role of the Methyltransferase Suv4-20h1 in Glucocorticoid Regulated Gene Transcription
  - Time: 03:15 PM
- **Fiorella Tapia-Ortiz**
  - Glucocorticoid Inhibition of Type I Interferon-inducible Gene Expression
  - Time: 03:30 PM

#### Shannon Davis, Delaware State University 4:15-5:30

- **Gilbert Gonzalez**
  - The Effect of Ginkgolides on the Inhibition of Amyloid Beta Aggregates
  - Time: 04:15 PM
- **Elizabeth Henderson**
  - How a Small Molecule Affects Aβ Misfolding Associated with Alzheimer’s Disease
  - Time: 04:30 PM
- **Cindy Cuello**
  - Improving Statistical Power of Genome Wide Association Study (GWAS): Expression Quantitive Trait Loci (eQTLs) in the Search for Alzheimer’s Disease Risk Genes
  - Time: 04:45 PM
- **Jason George**
  - Neurodegenerative Effects of Conditional Rac1 Knockout, a Rho GTPase Critical for Neuritic Outgrowth and Cytoskeletal Organization
  - Time: 05:00 PM
- **Bryan Stierman**
  - Voxel-Based Analysis of Brain Perfusion in Multiple Sclerosis
  - Time: 05:15 PM
**CTCC-14  Applied and Basic Biosciences**

<table>
<thead>
<tr>
<th>Time</th>
<th>Presenter and Title</th>
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<tbody>
<tr>
<td>11:15–12:30</td>
<td>Christa Heyward, University of Pennsylvania: The Effect of Blebbistatin on the Self Assembly of Toroidal Microtissues</td>
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<tr>
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<td>Justin Glenn: Investigation Of Pathogen-Associated Molecular Pattern (PAMP) Sensing By Lymph Node Stromal Cells</td>
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<td>Rizza Alcaria: Analysis of Tetraploid ES cells with Histone Fluorescent Proteins</td>
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<td>Yihwa Yang: 3-D Self-assembly Characteristics of Human Granulosa Cell Line HGL-5 and Potential Applications for in vitro Maturation</td>
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**Yolanda Nesbeth, Dartmouth College**  

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<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>2:30–3:45</td>
<td>Talha Anwar: Regulation of the Initial Step in Immunoglobulin Heavy Chain Gene Assembly</td>
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<td></td>
<td>Jeannette Tenthorey: The Nuclear Localization of DNA Repair Complexes During Rearrangement of the Immunoglobulin Heavy-Chain Gene</td>
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<td>Krasimira Mikhova: Determining the Specificity of Self Peptides for MHC Class I Molecules and Characterizing their Role in T-cell Activation</td>
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<td>Gerialesia Caesar: Effects of the FWLY Region and its Mutants on Latent Membrane Protein-1 in Epstein Barr Virus Infected B Cells</td>
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<td>Clifton Thomas: Engineering Highly Sensitive, Antigen-Specific T cells for Adoptive Immunotherapy</td>
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**Uciane Scarlett, Immunology**  

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<tr>
<th>Time</th>
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<tbody>
<tr>
<td>4:15–5:30</td>
<td>Annie Ahn: Role of Poly(ADP-Ribose) Polymerase-14 (PARP-14) in B Lymphocytes</td>
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<td>Jerrycy Diggs: The Role of the G Protein-coupled Receptors G2A and GpBAR in Macrophage Phenotype and Activation</td>
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<td>Vidya Raghavan: Probing the Relationship between High Endothelial Venules and Lymphatic Vessels in Immunized Mice</td>
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<td>Jonathan Torres Crespo: A Putative Ubiquitin Binding Domain in the CD8 beta Protein (M-4)</td>
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<td>Edward Washington: The Effects of CD28</td>
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**CTCC-15  Applied and Basic Biosciences**

<table>
<thead>
<tr>
<th>Time</th>
<th>Presenter and Title</th>
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<tbody>
<tr>
<td>11:15–12:30</td>
<td>Betty Noel, Stony Brook University: Elucidating the Mechanism of Chloramphenicol Resistance in Streptomyces coelicolor</td>
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<td></td>
<td>Lusana Ahsan: Micro RNA Overexpression and Development of Dictyostelium discoideum</td>
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<td>Jose Bachier: The Effect of the ADH1 Allele on Candida albicans Growth in vivo</td>
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<td>Yohance Allette: Identification of Novel Antimicrobials</td>
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<td>Justin Perez: Generation of Antibodies against P. berghei TLP for Localization Studies</td>
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</tbody>
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**Ikenna Madu, Cornell University**  

<table>
<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>2:30–3:45</td>
<td>Mariana Cooke: Construction of the B-RAF - GM-CSF Fusion Protein</td>
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<tr>
<td></td>
<td>Yania Langle: Molecular Characterization of a Novel HDL Gene</td>
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<td></td>
<td>Jesse Medina: Characterization of Recombinant La Crosse Virus Fusion Peptide Mutants</td>
</tr>
<tr>
<td></td>
<td>Danielle Pasquel: Constructing and Cloning Plasmids Containing Short Hairpin RNA Sequences for Silencing Studies of p53, mdm2, and mdmx Genes</td>
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<tr>
<td></td>
<td>Dillon Robinson: Preparation of Recombinant p53 Protein for the Analysis of p53-targeting Small Molecules</td>
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</table>
Candace Carroll, University of Missouri  
4:15-5:30

Anne Dodson  
Why Does The Mutant Stat92E R442P Protein Not Function?  
04:15 PM

Taiyabah Naeem  
Molecular Analysis of B3GALTL in a Patient with Peters Plus Syndrome  
04:30 PM

Olubukola Oriola  
Interaction of Hox Proteins and DNA Cofactor Extradenticle with DNA  
04:45 PM

David Sullivan  
Forward Genetic ENU Chemical Mutagenesis Screen for Novel Craniofacial and 
Replacement Tooth Formation for Zebrafish Mutants  
05:00 PM

Hilmarie Muniz-Talavera  
In Search of the Golden Fleece: GCF2 and Argonaute  
05:15 PM

CTCC-16  
Applied and Basic Biosciences

Hilaire Kenguele, Howard University  
11:15-12:30

Danielle Larson  
A Novel Negative Regulator of the Wnt Pathway?  
11:15 AM

Maung-Tin Htoo Kyaw  
The Effects of SPP24 Regulation on Mineralization in a Dynamic Collagen Gel System  
11:30 AM

Misty Montoya  
Studies on the Role of the Scaffold Protein Spinophilin in Regulation of 
Platelet Activation in vivo and in vitro  
11:45 AM

Stanislav Lazarev  
Effect of Tau Protein on the Rate of Microtubule Growth  
12:00 PM

Erin Mooney  
Regulation of RelB Stability by Lysine 414 and Lysine 217  
12:15 PM

Akua Fordjour, Brown University  
2:30-3:45

Michael Casciato  
The Role of the mTOR Signaling Pathway in Schwann Cell Proliferation and Myelination  
02:30 PM

Joseph Patterson  
Role of Rho-associated Kinase and Myosin Light Chain Kinase in PNS Myelin Formation  
02:45 PM

Santas Rosario  
Signaling Molecules Important for Focal Adhesion Formation  
03:00 PM

Juan Santana  
Lipocalin Signaling in Caenorhabditis elegans  
03:15 PM

Melissa Santos  
Caveolin-2: The Role It Plays as a Signaling Protein and in Regulating Cell 
Differentiation in Fetal Lung Type II Epithelial Cells  
03:30 PM

Sam McNeal, Brown University  
4:15-5:30

Hunter Oliver-Allen  
Evaluation of the Reproducibility and Repeatability of T1rho Relaxation of the Lumbar 
Intervertebral Discs Using Novel 3D Pulse Sequences at 1.5 and 3.0 Tesla  
04:15 PM

Lascelles Lyn-Cook  
Hepatic Ceramide Mediates Brain Insulin Resistance and Degeneration in Type 2 
Diabetes Mellitus (T2DM) and Metabolic Syndrome  
04:30 PM

Sade McKenzie  
Role of Mast Cells and Local Renin Angiotensin System in Pancreas in a Model 
of Type 1 Diabetes  
04:45 PM

Chiamaka Nwakeze  
Examination of Potential Inflammatory Mechanisms Involved in 
Angiotensin-II-dependent Neurogenic Hypertension  
05:00 PM

Ricardo Esquivias  
Retinoic Acid: Establishing a Gonadotropin-Releasing Hormone (GnRH) 
System Required for Vertebrate Reproduction  
05:15 PM

CTCC-17  
Applied and Basic Biosciences

Caira Woods, New York University School of Medicine  
11:15-12:30

Steven Tuyishime  
Evaluating Vaccine-Induced Immune Responses in a Murine Model of Lymphocytic 
Choriomeningitis Virus Infection  
11:15 AM

April Evans  
Access to HIV Care in a Rural District of Kenya  
11:30 AM

Monique Foster  
Cellular Response of CD4 T-Cells after Stimulation with HIV Protein gp120  
11:45 AM

Yamila Goenaga-Vazquez  
Integrated Stress Response in the Central Nervous System of Patients with 
HIV-Associated Neurocognitive Deficit  
12:00 PM

Lynch Lezeau  
Identification of Recombination Between Two or More Genetically Distinct 
HIV-1 Strains in Dually-Infected Individuals from Cameroon  
12:15 PM
Shella Saint Fleur, New York University School of Medicine 2:15-3:45

Fernando Marenco Variations in the Cerebral Operculum of Infants with Complex Congenital Heart Disease 02:30 PM
Arelays Rosado Interplay Between Bacterial and Viral Transcription Termination Factors 02:45 PM
Jennifer Stetler Nonstructural Protein s1s Mediates Reovirus-induced Cell Cycle Arrest 03:00 PM
Theodore Weatherwax Retroid Analysis of Eutheria Utilizing the Genome Parsing Suite 03:15 PM
Nicholas Russell An Analysis of Cellular Force Application during Chemotaxis 03:30 PM

Denise Davis, Yale University 4:15-5:30

Maggie Chun Role of adenylate cyclase 1 in Early Retinotopic Mapping of Mice 04:15 PM
Ogechukwu Imonugo The Relationship Between Isolation Rearing and Stress-Induced c-fos Expression Levels in the Medial Prefrontal Cortex of Male and Female Rats 04:30 PM
Lilia Rodriguez Nicotine Modulates Electrophysiological Correlates of Fear Memory 04:45 PM
Alan Rodriguez Nicotine Sensitivity Variations in Circadian Rhythms in Mice and the Effects of Melatonin on Nicotinic Acetylcholine Receptor (nAChR) Function 05:00 PM
Joseph Villarin Investigating Visceral Endoderm Cell Morphology, Movement, and Displacement in Transgenic Mouse Embryos 05:15 PM

CTCC-21 Applied and Basic Biosciences

Dawn Seales, University of Miami 11:15-12:30

Jose Diaz-Torres Characterization of Protein Expression Mechanisms of Novel Cell Death Pathways 11:15 AM
Jessica Munoz Functional Characterization of TRPC7 11:30 AM
Chinonyerem Okoro Inhibition of Human Dendritic Cells with Apoptotic Material 11:45 AM
Jose Marc Techner 14-3-3: A Potential Mediator between Potassium Channels HERG and KVLQT1 in Long QT Syndrome 12:00 PM
Henrike Resemann Combining the Proteasome Inhibitors Bortezomib and Ritonavir to Induce Apoptosis in Multiple Myeloma Cells 12:15 PM

Marvin Perez, University of Miami 2:30-3:45

Tamara Herron Kinetic Analysis of DNA Polymerase RB69 Mutant K560H in Pyrophosphorolysis 02:30 PM
Becky Myers Structural and Biochemical Characterization of the PH and RA Domains in Lamellipodin and its Significance in the MRL and Grb7 Protein Families 02:45 PM
Joshua Schwartz Does Phosphorylation Inhibit Cyclic Nucleotide Gated Ion Channels? 03:00 PM
Wenhui Zhou The Role of ADAM8 in Regulation of Pathological Neovascularization and in Ectodomain Shedding of Receptors Involved in this Process 03:15 PM
Amanda Moyer Determination of the Optimal Amount of Formalin Fixed Paraffin Embedded Tissues from Products of Conception Using Laser Capture Microdissection Platform Required for Human Identity Testing 03:30 PM

Jenel Nixon, University of Medicine and Dentistry of New Jersey 4:15-5:30

Judit Perez Ortiz Characterization of Proteoglycan Expression within Mitogenic Niches in the Developing Brain 04:15 PM
Loren Saulsberry Encoding of the Cough Reflex: Role of Nitric Oxide Signaling in the Brain Stem 04:30 PM
Lucia Vidable Alcoholic C57’s: Assessing Voluntary Alcohol Consumption in beta-3 and alpha-6 Knockout Mice 04:45 PM
Kevin Anderson Effects Of Erythropoietin on Brain Cell Injury 05:00 PM
Jada Etienne Effects of Alcohol Use on the Olivocerebellar System 05:15 PM
### CTCC-22 Physical Sciences and Engineering

**Mabel Ramirez, University of Colorado at Boulder**  
11:15-12:30

- **Jose Cordero Gonzalez**  
  Design of New Microwave Components Using Micro Coaxial Lines  
  11:15 AM
- **William Hamlette**  
  Modeling Library Circulation Flow, Multi-Dimensional Research  
  11:30 AM
- **Albert Soto**  
  A Testbed for Control Moment Gyroscope Actuated Robotics  
  12:00 PM
- **Lindsey Hyppolite**  
  Determination Of Free Fuel Cell Fluoride by Colorometric Analysis  
  12:15 PM

**Christina Calvin, Brown University**  
2:30-3:45

- **Nicholas Tsoi-A-Sue**  
  Improving the Efficiency of the Image Reconstruction Algorithm Used in Soft-X-Ray Diffraction Microscopy  
  02:30 PM
- **Stephanie Adu**  
  Investigation of the Chemical Components of Selected Sage Species  
  02:45 PM
- **Noelia Aponte**  
  Acclimation to Light Intensity in Summer and Winter Squash  
  03:00 PM
- **Mervin Failing**  
  Response of Bacteria to Freezing  
  03:15 PM
- **Trichelle Harris**  
  Analyzing the Strategies of Similar Infectious Disease Modeling Techniques  
  03:30 PM

**Taniecea Arceneaux, Princeton University**  
4:15-5:30

- **Lucero Carmona**  
  The Magnetorotational Instability of Accretion Disks  
  04:15 PM
- **Ankit Disa**  
  Characterization of the Electrical Transport Properties of Epitaxially-Grown Co3O4 and Non-Stoichiometric CoFe2O4 Thin Films  
  04:30 PM
- **Sean Jackson**  
  Stopping Rules for a Correlated Random Walk with a Limit on the Amount of Stops  
  04:45 PM
- **Francisco Velez**  
  Synthesis of Graphene on Aluminum Nitride/Silicon (111) by Molecular Beam Epitaxy  
  05:00 PM
- **Elias Cornejo**  
  Skeletal Muscle Adaptation to Feeding in Burmese Pythons  
  05:15 PM

### CTCC-23 Physical Sciences and Engineering

**Oscar Martinez, Jr., University of Colorado at Boulder**  
11:15-12:30

- **Danielle Griego**  
  Addressing Challenges in Developing Greenhouse Gas Inventories for Small, Destination-Resort Cities: A Case Study of Central City, Colorado  
  11:15 AM
- **Niahm Kazeem**  
  Phylogenetic Analysis of Flea Populations in Boulder, Colorado  
  11:30 AM
- **Ryan Tolan**  
  Effects of Microgravity on Painter Lady Butterflies and Orb Weaver Spiders  
  11:45 AM
- **Armond Pietrocarlo**  
  Synthesis of Carbohydrate Analogues of the beta-THF Acetogenin Group of Anti-tumor Agents  
  12:00 PM
- **Marcus Thomas**  
  The Search for the Higgs  
  12:15 PM

**Louis Cuadra-Rodriguez, University of Colorado at Boulder**  
2:30-3:45

- **Nikolas Nordendale**  
  The Second Phase Transition of a Strontium on Silicon [1 0 0]  
  02:30 PM
- **Amanda Eure**  
  Zoom Into Action...Roller Coaster Physics  
  02:45 PM
- **Dennis Gardner**  
  Self Alignment and Spatial Self Organization of Nanoparticles in Liquid Crystals  
  03:00 PM
- **Krisztina Vanyi**  
  Expressing Functions as Sums Over Crystals  
  03:15 PM
- **Rachael Hanna**  
  Global Analysis of Protein Phosphorylation using Protein Chip Arrays  
  03:30 PM

**Patricia Green, Delaware State University**  
4:15-5:15

- **Andrew Alexander**  
  Synthesis of Glycosyl Triazoles for Use in Pollen Tube Growth and Inhibition Studies  
  04:15 PM
- **Deylen Aponte**  
  Effect of Cold Temperature on Vein Density and Photosynthetic Capacity in Winter and Summer Squash  
  04:30 PM
- **Bryan Ramson**  
  Jet Finding in p+p Collisions at vsNN = 400 GeV at RHIC  
  04:45 PM
- **Emanuel Silva**  
  Reaction Kinetics on Aerosol Particles  
  05:00 PM
### CTCC-24 Social Sciences

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<tr>
<th>Speaker</th>
<th>Title</th>
<th>Time</th>
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<tbody>
<tr>
<td>Monica Trujillo, Princeton University</td>
<td>Predicting the “Jekyll &amp; Hyde” Effect: The Influence of Social Threat on Segregated and Integrated Information Processing</td>
<td>11:15 AM</td>
</tr>
<tr>
<td>Oriana Aragon</td>
<td>Racial Differences in Women’s Perceptions of Interracial Domestic Abuse Cases</td>
<td>11:30 AM</td>
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<tr>
<td>Sarah Cunningham</td>
<td>Charity or Contempt? The Stereotype Content Model and Social Class Ambivalence</td>
<td>11:45 AM</td>
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<tr>
<td>Ambika Kirkland</td>
<td>Focus of Attention in Relationships</td>
<td>12:00 PM</td>
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<tr>
<td>Silvia Marin</td>
<td>Effects of Physiological Arousal on Perception of Social Support</td>
<td>12:15 PM</td>
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<tr>
<td>Linda Mohammadian</td>
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### Ann Marie Russell, Princeton University

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<thead>
<tr>
<th>Speaker</th>
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<tbody>
<tr>
<td>Adom Getachew</td>
<td>Boundaries of Belonging: Immigration and Xenophobia in a Reconstructed South Africa</td>
<td>02:30 PM</td>
</tr>
<tr>
<td>Lacey Jewett</td>
<td>Ask the Men: A View of Sexual Health Through the Eyes of American Indian Men</td>
<td>02:45 PM</td>
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<tr>
<td>Mihan Lee</td>
<td>Community Level Predictors of Sexual Risk among Young People in Connecticut</td>
<td>03:00 PM</td>
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<tr>
<td>Jessica Wynne</td>
<td>Correlates of Community Cohesion Among Lesbian and Bisexual Women</td>
<td>03:15 PM</td>
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<tr>
<td>Daise Zannoni</td>
<td>Sex Tourism in Brazil</td>
<td>03:30 PM</td>
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### Jennifer Johnson, Princeton University

<table>
<thead>
<tr>
<th>Speaker</th>
<th>Title</th>
<th>Time</th>
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<tbody>
<tr>
<td>Alexis Cerda</td>
<td>Mapping of Indonesian Villages Hit by the Tsunami</td>
<td>04:15 PM</td>
</tr>
<tr>
<td>Nina Lauharatanahirun</td>
<td>Debunking the Complexity Theory of Randomness</td>
<td>04:30 PM</td>
</tr>
<tr>
<td>Lanore West</td>
<td>The Use of the Peer Play Code in Observing Social Interaction of Young Children</td>
<td>04:45 PM</td>
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### CTCC-25 Social Sciences, Policy and Ethics

<table>
<thead>
<tr>
<th>Speaker</th>
<th>Title</th>
<th>Time</th>
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</thead>
<tbody>
<tr>
<td>Emily Garbinsky</td>
<td>Is Infant Learning and Imitation Selective?</td>
<td>11:15 AM</td>
</tr>
<tr>
<td>Lekshmi Pillai</td>
<td>Pathways of Understanding: The Interrelationship between Caregivers’ Explanatory Model and the ADHD Treatment Process</td>
<td>11:30 AM</td>
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<tr>
<td>April Ryles</td>
<td>The Impact of Attention Deficit Disorder on Mind-Wandering</td>
<td>11:45 AM</td>
</tr>
<tr>
<td>Ameena Sweeting</td>
<td>Standardized Observation of How Teachers Effectively Manage Behavior in Pre-K Classrooms</td>
<td>12:00 PM</td>
</tr>
<tr>
<td>Andre Durham</td>
<td>Computing Quality: Teacher-Child Interaction Quality During Math Instruction in Third and Fourth Grade</td>
<td>12:15 PM</td>
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</table>

### Kedrick Perry, University of Virginia

<table>
<thead>
<tr>
<th>Speaker</th>
<th>Title</th>
<th>Time</th>
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<tbody>
<tr>
<td>Rodolfo Cortes</td>
<td>The Impact of Babyfacedness on Children's Prosocial Behavior</td>
<td>02:30 PM</td>
</tr>
<tr>
<td>Gabrielle D’Lima</td>
<td>Math Self-Efficacy, Interests, and Perceived Support: Differences by Gender, Race, and Grade</td>
<td>02:45 PM</td>
</tr>
<tr>
<td>Charmaine Giles</td>
<td>The Role of Literacy in the Empowerment of African American Youth</td>
<td>03:00 PM</td>
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<tr>
<td>Maryam Irshad</td>
<td>Individual Approaches to Building Emotional Support in Pre-K Classrooms</td>
<td>03:15 PM</td>
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<tr>
<td>Rashida Whitley</td>
<td>Applying Observational Methods to Math Instruction in Third and Fourth Grade Classrooms</td>
<td>03:30 PM</td>
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### Krysten Brown, University of Connecticut

<table>
<thead>
<tr>
<th>Speaker</th>
<th>Title</th>
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<tbody>
<tr>
<td>Scott Revey</td>
<td>Political Context and Perceptions of Corruption in Mexico</td>
<td>04:15 PM</td>
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<tr>
<td>Jenna Sablan</td>
<td>The Politics of Special Education Financing</td>
<td>04:30 PM</td>
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<tr>
<td>Phylicia Fitzpatrick</td>
<td>Why Babar Makes You Vote Republican: the Effect of Metaphor on Political Attitudes</td>
<td>04:45 PM</td>
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<tr>
<td>Mark Starks</td>
<td>Ignorance Is Not Bliss: How Familiarity With Diseases Effects Charitable Giving</td>
<td>05:00 PM</td>
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<tr>
<td>Juin Zhou</td>
<td>Striving for Good Feelings or Averting Bad Ones? The Role of Affective Goals in Health Care Decisions Across the Life Span</td>
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### CTCC-26 Social Sciences and Humanities

<table>
<thead>
<tr>
<th>Name</th>
<th>Presentation</th>
<th>Time</th>
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<tbody>
<tr>
<td>Christine Nothelfer</td>
<td>Perception and Shot Sequence Structure in Hollywood Film</td>
<td>11:15 AM</td>
</tr>
<tr>
<td>Sofiana Bird</td>
<td>Change or Improvement? Cinematic Representation of Women</td>
<td>11:30 AM</td>
</tr>
<tr>
<td>Ximena Gomez</td>
<td>Why Not Botticelli? Re-examining the Role of Alessandro Botticelli through the Works of Raphael</td>
<td>11:45 AM</td>
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<tr>
<td>Ana Schwartz</td>
<td>Paratexts and Epitexts: “Oprah” and “Literary Culture”</td>
<td>12:00 PM</td>
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<tr>
<td>Felicia Moralez</td>
<td>Mexican Americans and the Popular Media in the Twentieth Century</td>
<td>12:15 PM</td>
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### Natalie Palmer, Cornell University

<table>
<thead>
<tr>
<th>Name</th>
<th>Presentation</th>
<th>Time</th>
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<tbody>
<tr>
<td>Derik Goatson</td>
<td>Acknowledging the Other: Navajo Peacemaking and Levinasian Ethics</td>
<td>02:30 PM</td>
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<tr>
<td>Luis Lopez-Febres</td>
<td>The Exile of the Moriscos in North Africa (1609-1614): Exploring Their Dichotomous Identity Through the “Tratado De Los Dos Caminos,” by the “Tunisian Refugee”</td>
<td>02:45 PM</td>
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<tr>
<td>David Anton Johnson</td>
<td>Absent Qualia and Memory</td>
<td>03:00 PM</td>
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<tr>
<td>Nicole Rivera</td>
<td>The Women in Sarah Fielding’s “David Simple”</td>
<td>03:15 PM</td>
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<tr>
<td>Brittany Carter</td>
<td>The Cold War as a Transformative Moment in the Emergence of the Modern Black Power Movement</td>
<td>03:30 PM</td>
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</table>

### CTCC-27 Social Sciences, Policy and Ethics

| Name                        | Presentation                                                   | Time   |
|-----------------------------|                                                               |        |
| Ozioma Oji                  | Understanding Race in Society                                 | 11:15 AM |
| Iris-Ann Hoover             | A Portrait of Poverty: How Structural Economic Conditions have Influenced Poverty Rates within the Northern East Coast | 11:30 AM |
| Carilis Olmedo-Alvarez      | Effect of the Nutrition Assistance Program on the Puerto Rican Population's Support for the Independence Party | 11:45 AM |
| Nita Clark                  | They’re Tryin’ To Wash Us Away: Analyzing the Factors Affecting Recovery in Post-Katrina New Orleans | 12:00 PM |
| Nzinga Hutchinson           | Environmental Racism's Impact on Minority Communities          | 12:15 PM |

### Shannon Davis, Delaware State University

| Name                        | Presentation                                                   | Time   |
|-----------------------------|                                                               |        |
| Blanca Beas                 | A Novel Task-Shifting Paradigm for Rats                       | 02:30 PM |
| Kevin Lemaire               | Effect of Cocaine on Condition Place Preference in Male Fischer Rats | 02:45 PM |
| Richard Lopez               | Cognitive Regulation in Smoking Behavior                      | 03:00 PM |
| Marla Washington            | A Novel Behavioral Task for Studying Visuospatial Processing in Rats | 03:15 PM |
| Carlos Miranda              | Effects of Ventral Tegmental Area Infusion of IGF-1 Antagonist and PI3 Kinase Inhibitor on Behavioral Response to Amphetamine in Rats | 03:30 PM |

### Camille Lawrence, University of Virginia

| Name                        | Presentation                                                   | Time   |
|-----------------------------|                                                               |        |
| Anna Cho                    | Math Interests And Motivation From Late Childhood to Adolescence | 04:15 PM |
| Allison King                | Information Processing and Causal Learning                    | 04:30 PM |
| Erica Myers                 | Handheld Computer System for Collecting Real Time Observational Data of Young Children | 04:45 PM |
| Erikk Vaughan               | Effects of Perceptual Fluency on Retention                     | 05:00 PM |
| Abena Yeboa                 | College Aspirations and Minority Talent Loss: A Spatial Perspective | 05:15 PM |
Student Oral Presentations

BY NAME

Stephanie Adu 2:45 PM
CTCC-22
**Presentation Title** Investigation of the Chemical Components of Selected Sage Species
**Research Mentor** Iona Black
**Research Institution** Yale University
**Home Institution** Mount Holyoke College
**Co-Authors** Iona Black, Qiyi Yu and Jefferson Chin, Yale University

Annie Ahn 4:15 PM
CTCC-14
**Presentation Title** Role of Poly(ADP-Ribose) Polymerase-14 (PARP-14) in B Lymphocytes
**Research Mentor** Mark Boothby
**Research Institution** Vanderbilt University
**Home Institution** Hendrix College
**Co-Authors** Mark Boothby and Sung Hoon Cho, Vanderbilt University

Lusana Ahsan 11:30 AM
CTCC-15
**Presentation Title** Micro RNA Overexpression and Development of Dictyostelium discoideum
**Research Mentor** Robert Dottin
**Research Institution** Hunter College
**Home Institution** Brooklyn College
**Co-Authors** Robert Dottin, Marie McAnuff and Vikas Sonakya, Center for Study of Gene Structure and Function, Hunter College

Rizza Alcaria 11:45 AM
CTCC-14
**Presentation Title** Analysis of Tetraploid ES cells with Histone Fluorescent Proteins
**Research Mentor** Paul Feinstein
**Research Institution** Hunter College
**Home Institution** Dominican University of California
**Co-Authors** Paul Feinstein, Hunter College, CUNY; Anna-Katerina Hadjantonakis, MSKCC

Andrew Alexander 4:15 PM
CTCC-23
**Presentation Title** Synthesis of Glycosyl Triazoles for Use in Pollen Tube Growth and Inhibition Studies
**Research Mentor** Amit Basu
**Research Institution** Brown University
**Home Institution** Virginia Commonwealth University
**Co-Authors** Jason Becker, David Kern and Amit Basu, Brown University

Blair Alexander Jr. 11:15 AM
CTCC-15
**Presentation Title** Elucidating the Mechanism of Chloramphenicol Resistance in Streptomyces coelicolor
**Research Mentor** Jason Sello
**Research Institution** Brown University
**Home Institution** Morehouse College
**Co-Authors** James Vecchione and Jason Sello, Brown University

Yohance Allette 12:00 PM
CTCC-15
**Presentation Title** Identification of Novel Antimicrobials
**Research Mentor** Kent Lai
**Research Institution** University of Miami
**Home Institution** University of Maryland, Baltimore County
**Co-Authors** Kent Lai, Xue Yin and Klaas Wierenga, University of Miami

Joana Amaral 4:15 PM
CTCC-12
**Presentation Title** Does Exenatide (Byetta) Have Antidepressant Activity?
**Research Mentor** Robert Beech
**Research Institution** Yale University
**Home Institution** Rutgers University
**Co-Authors** Robert Beech, Yale University
<table>
<thead>
<tr>
<th>Name</th>
<th>Time</th>
<th>CTCC</th>
<th>Presentation Title</th>
<th>Research Mentor</th>
<th>Research Institution</th>
<th>Home Institution</th>
<th>Co-Authors</th>
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</thead>
<tbody>
<tr>
<td>Kevin Anderson</td>
<td>5:00 PM</td>
<td>CTCC-21</td>
<td>Effects Of Erythropoietin on Brain Cell Injury</td>
<td>Frank Welsh</td>
<td>University of Pennsylvania</td>
<td>Morehouse College</td>
<td>Frank A. Welsh, University of Pennsylvania</td>
</tr>
<tr>
<td>Omozusi Andrews</td>
<td>11:15 AM</td>
<td>CTCC-11</td>
<td>The YY1 REPO Domain Induces Cell Death in Prostate Cancer Cells</td>
<td>Michael Atchison</td>
<td>University of Pennsylvania</td>
<td>University of Maryland, Eastern Shore</td>
<td>Arindam Basu and Michael Atchison, University of Pennsylvania</td>
</tr>
<tr>
<td>Talha Anwar</td>
<td>2:30 PM</td>
<td>CTCC-14</td>
<td>Regulation of the Initial Step in Immunoglobulin Heavy Chain Gene Assembly</td>
<td>Laurel Eckhardt</td>
<td>Hunter College</td>
<td>Brown University</td>
<td>Laurel Eckhardt, Shiniu Wei and Andrea Beltran, Hunter College of the City of New York</td>
</tr>
<tr>
<td>Deylen Aponte</td>
<td>4:30 PM</td>
<td>CTCC-23</td>
<td>Effect of Cold Temperature on Vein Density and Photosynthetic Capacity in Winter and Summer Squash</td>
<td>Barbara Demmig-Adams</td>
<td>Colorado State University</td>
<td>University of Colorado at Boulder</td>
<td>Barbara Demmig-Adams, University of Colorado at Boulder</td>
</tr>
<tr>
<td>Noelia Aponte</td>
<td>3:00 PM</td>
<td>CTCC-22</td>
<td>Acclimation to Light Intensity in Summer and Winter Squash</td>
<td>Barbara Demmig-Adams</td>
<td>University of Colorado at Boulder</td>
<td>UPR-Mayaguez</td>
<td>Barbara Demmig-Adams, University of Colorado at Boulder</td>
</tr>
<tr>
<td>Oriana Aragon</td>
<td>11:15 AM</td>
<td>CTCC-24</td>
<td>Predicting the “Jekyll &amp; Hyde” Effect: The Influence of Social Threat on Segregated and Integrated Information Processing</td>
<td>Margaret Clark</td>
<td>CSU San Marcos</td>
<td>Yale University</td>
<td>Margaret Clark, Yale University</td>
</tr>
<tr>
<td>Jose Bachier</td>
<td>11:45 AM</td>
<td>CTCC-15</td>
<td>The Effect of the ADH1 Allele on Candida albicans Growth in vivo</td>
<td>Carol Kumamoto</td>
<td>Tufts University</td>
<td>UPR-Mayaguez</td>
<td>Carol Kumamoto, Jessica V. Pierce and Claudette Gardel, Tufts University</td>
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<tr>
<td>Blanca Beas</td>
<td>2:30 PM</td>
<td>CTCC-27</td>
<td>A Novel Task-Shifting Paradigm for Rats</td>
<td>Rebecca Burwell</td>
<td>Brown University</td>
<td>University of Texas at El Paso</td>
<td>Jennifer L. Barredo and Rebecca D. Burwell, Brown University</td>
</tr>
<tr>
<td>Sam Benezra</td>
<td>11:15 AM</td>
<td>CTCC-13</td>
<td>Characterizing the Viral DNA Response in Drosophila S2 Cells</td>
<td>David Levy</td>
<td>New York University Sackler Institute</td>
<td>University of Colorado at Boulder</td>
<td>David Levy and Yaming Wang, New York University School of Medicine</td>
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</table>
Alicia Bowen 11:30 AM  
CTCC-12  
**Presentation Title** The Effect of Schiff Base Protonation on Photointermediate Wavelengths in Ultraviolet Visual Pigment  
**Research Mentor** Elsa Yan  
**Research Institution** Yale University  
**Home Institution** SUNY at Old Westbury  
**Co-Authors** Elsa Yan, Yale University

David Brauer 2:30 PM  
CTCC-12  
**Presentation Title** Splicing and Downstream Target Effects of a Heritable Mutation in a Novel Human Sex-determining Gene  
**Research Mentor** Harry Ostrer  
**Research Institution** New York University Sackler Institute  
**Home Institution** University of Iowa  
**Co-Authors** Harry Ostrer, Alex Pearlman and Shahin Shajahan, New York University Langone Medical Center

Gerialisa Caesar 3:15 PM  
CTCC-14  
**Presentation Title** Effects of the FWLY Region and its Mutants on Latent Membrane Protein-1 in Epstein Barr Virus Infected B Cells  
**Research Mentor** Jennifer Martin  
**Research Institution** University of Colorado at Boulder  
**Home Institution** Medgar Evers College, CUNY  
**Co-Authors** Jennifer Martin and Ryan Takeshita, University of Colorado at Boulder

Lucero Carmona 4:15 PM  
CTCC-22  
**Presentation Title** The Magnetorotational Instability of Accretion Disks  
**Research Mentor** James Curry  
**Research Institution** University of Colorado at Boulder  
**Home Institution** University of Delaware  
**Co-Authors** James Curry, Keith Julien and Ben Jamroz, University of Colorado at Boulder

Zunamys Carrero 12:00 PM  
CTCC-11  
**Presentation Title** CD44 V3 as an Apoptotic Factor in Breast Cancer Cells  
**Research Mentor** Daniel Jay  
**Research Institution** Tufts University  
**Home Institution** UPR-Mayaguez  
**Co-Authors** Daniel G. Jay and Edyth J. Comenencia, Tufts University Sackler School of Graduate Biomedical Sciences

Johanna Carroll 11:15 AM  
CTCC-12  
**Presentation Title** An Investigation of the Influence of Nitrination on Ribonuclease A Structure and Dynamics  
**Research Mentor** J. Patrick Loria  
**Research Institution** Yale University  
**Home Institution** Rensselaer Polytechnic Institute  
**Co-Authors** J. Patrick Loria and Eric Watt, Yale University

Brittany Carter 3:30 PM  
CTCC-26  
**Presentation Title** The Cold War as a Transformative Moment in the Emergence of the Modern Black Power Movement  
**Research Mentor** Leah Wright  
**Research Institution** Princeton University  
**Home Institution** University of Rochester  
**Co-Authors** Helen Tilley, Princeton University

Michael Casciato 2:30 PM  
CTCC-16  
**Presentation Title** The Role of the mTOR Signaling Pathway in Schwann Cell Proliferation and Myelination  
**Research Mentor** James Salzer  
**Research Institution** New York University Sackler Institute  
**Home Institution** University of Miami  
**Co-Authors** James Salzer and Sean Hagerty, New York University

Alexis Cerda 4:15 PM  
CTCC-24  
**Presentation Title** Mapping of Indonesian Villages Hit by the Tsunami  
**Research Mentor** Vernon Henderson  
**Research Institution** Brown University  
**Home Institution** Arizona State University  
**Co-Authors** Vernon Henderson, Brown University

Laura Chamorro 4:30 PM  
CTCC-11  
**Presentation Title** Fruit and Vegetable Intake as a Function of Race/Ethnicity and Gender in College Students  
**Research Mentor** Michael Gaines  
**Research Institution** University of Miami  
**Home Institution** University of Miami  
**Co-Authors** Patrice Saab, University of Miami
Anna Cho 4:15 PM  
CTCC-27  
**Presentation Title** Math Interests And Motivation From Late Childhood to Adolescence  
**Research Mentor** Marie Shoffner  
**Research Institution** University of Virginia School of Education  
**Home Institution** Virginia Polytechnic Institute and State University  
**Co-Authors** Marie Shoffner, University of Virginia; Gabrielle D’Lima, George Mason University

Maggie Chun 4:15 PM  
CTCC-17  
**Presentation Title** Role of adenylate cyclase 1 in Early Retinotopic Mapping of Mice  
**Research Mentor** Michael Crair  
**Research Institution** Yale University  
**Home Institution** Mount Holyoke College  
**Co-Authors** Michael Crair, Yale University

Nita Clark 12:00 PM  
CTCC-27  
**Presentation Title** They’re Tryin’ To Wash Us Away: Analyzing the Factors Affecting Recovery in Post-Katrina New Orleans  
**Research Mentor** Diana Nemergut  
**Research Institution** University of Colorado at Boulder  
**Home Institution** Louisiana State University-Baton Rouge  
**Co-Authors** Diana Nemergut, University of Colorado at Boulder

Mariana Cooke 2:30 PM  
CTCC-15  
**Presentation Title** Construction of the B-RAF - GM-CSF Fusion Protein  
**Research Mentor** Dorothee Herlyn  
**Research Institution** University of Pennsylvania  
**Home Institution** University of Buenos Aires  
**Co-Authors** Rolf Swoboda and Dorothee Herlyn, Wistar Institute

Jose Cordero Gonzalez 11:15 AM  
CTCC-22  
**Presentation Title** Design of New Microwave Components Using Micro Coaxial Lines  
**Research Mentor** Zoya Popovic  
**Research Institution** University of Colorado at Boulder  
**Home Institution**  
**Co-Authors** Zoya Popovic and Evan Cullens, University of Colorado at Boulder

Elías Cornejo 5:15 PM  
CTCC-22  
**Presentation Title** Skeletal Muscle Adaptation to Feeding in Burmese Pythons  
**Research Mentor** Cecilia Riquelme  
**Research Institution** University of Colorado at Boulder  
**Home Institution** University of Colorado at Boulder  
**Co-Authors** Cecilia Riquelme, Brooke Harrison and Leslie Leinwand, University of Colorado at Boulder

Rodolfo Cortes 2:30 PM  
CTCC-25  
**Presentation Title** The Impact of Babyfacedness on Children’s Prosocial Behavior  
**Research Mentor** Carol Dweck  
**Research Institution** Stanford University  
**Home Institution** UC Berkeley  
**Co-Authors** Joseph J. Campos, University of California, Berkeley; Carol S. Dweck, Stanford University

Cindy Cuello 4:45 PM  
CTCC-13  
**Presentation Title** Improving Statistical Power of Genome Wide Association Study (GWAS): Expression Quantitive Trait Lociuses (eQTLs) in the Search for Alzheimer’s Disease Risk Genes  
**Research Mentor** Amanda Myers  
**Research Institution** University of Miami  
**Home Institution** Barry University  
**Co-Authors** Donald S. McCorquodale and Amanda J. Myers, University of Miami; Jennifer A. Webster, Translational Genomic Research Institute

Sarah Cunningham 11:30 AM  
CTCC-24  
**Presentation Title** Racial Differences in Women’s Perceptions of Interracial Domestic Abuse Cases  
**Research Mentor** Angela Cole  
**Research Institution** Howard University  
**Home Institution** Spelman College  
**Co-Authors** Angela P. Cole and Angela Glymph, Howard University

Gabrielle D’Lima 2:45 PM  
CTCC-25  
**Presentation Title** Math Self-Efficacy, Interests, and Perceived Support: Differences by Gender, Race, and Grade  
**Research Mentor** Marie Shoffner  
**Research Institution** University of Virginia School of Education  
**Home Institution** George Mason University  
**Co-Authors** Marie Shoffner, University of Virginia; Anna Cho, Virginia Polytechnic Institute and State University
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<thead>
<tr>
<th>Name</th>
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<th>Session</th>
<th>Presentation Title</th>
<th>Research Mentor</th>
<th>Research Institution</th>
<th>Home Institution</th>
<th>Co-Authors</th>
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<tbody>
<tr>
<td>Nicole de Paz</td>
<td>2:30 PM</td>
<td>CTCC-13</td>
<td>Blocking Transcription of Whole Bone Marrow Cells Co-cultured with Lung Cells Using Actinomycin D</td>
<td>Jason Aliotta</td>
<td>Brown University</td>
<td>Yale University</td>
<td>Jason Aliotta and Mandy Pereira, Rhode Island Hospital, Center for Stem Cell Biology Research</td>
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<tr>
<td>Nayla Delgado Torres</td>
<td>4:30 PM</td>
<td>CTCC-12</td>
<td>Aversive Learning and Memory Retrieval in an Animal Model of Schizophrenia</td>
<td>Holly Moore</td>
<td>Columbia University</td>
<td>UPR-Rio Piedras</td>
<td>Holly Moore, Victoria Cressman and Jordan Balaban, Columbia University</td>
</tr>
<tr>
<td>Jose Diaz-Torres</td>
<td>11:15 AM</td>
<td>CTCC-21</td>
<td>Characterization of Protein Expression Mechanisms of Novel Cell Death Pathways</td>
<td>Brent Stockwell</td>
<td>Columbia University</td>
<td>UPR-Mayaguez</td>
<td>Nidhi Gangadhar and Brent Stockwell, Columbia University</td>
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<tr>
<td>Jerryyce Diggs</td>
<td>4:30 PM</td>
<td>CTCC-14</td>
<td>The Role of the G Protein-coupled Receptors G2A and GpBAR in Macrophage Phenotype and Activation</td>
<td>Catherine Hedrick</td>
<td>University of Virginia School of Medicine</td>
<td>University of Houston</td>
<td>Laura Johnson, University of Virginia</td>
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<tr>
<td>Ankit Disa</td>
<td>4:30 PM</td>
<td>CTCC-22</td>
<td>Characterization of the Electrical Transport Properties of Epitaxially-Grown Co3O4 and Non-Stoichiometric CoFe2O4 Thin Films</td>
<td>Victor Henrich</td>
<td>Yale University</td>
<td>Cornell University</td>
<td>Victor Henrich, Eric Altman and Carlos Vaz, Yale University</td>
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<tr>
<td>Stephanie Dusaban</td>
<td>2:45 PM</td>
<td>CTCC-13</td>
<td>Transcriptional Regulation of the Human Neuropeptide Neuromedin U in Hematopoietic Cells</td>
<td>Susan Shetzline</td>
<td>University of Pennsylvania</td>
<td>University of Houston</td>
<td>Susan Shetzline and Alan Gewirtz, University of Pennsylvania</td>
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<tr>
<td>Melody Esmaeili</td>
<td>11:30 AM</td>
<td>CTCC-13</td>
<td>Regulation of Lipid Metabolism in Drosophila melanogaster</td>
<td>Morris Birnbaum</td>
<td>University of Pennsylvania</td>
<td>UC Berkeley</td>
<td>Morris Birnbaum</td>
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<td>Ankit DiAngelo and Morris J. Birnbaum, University of Pennsylvania</td>
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Ricardo Esquivias 5:15 PM  
CTCC-16  
**Presentation Title** Retinoic Acid: Establishing a Gonadotropin-Releasing Hormone (GnRH) System Required for Vertebrate Reproduction  
**Research Mentor** Pei-San Tsai  
**Research Institution** University of Colorado at Boulder  
**Home Institution** Sarah Lawrence College  
**Co-Authors** Pei-San Tsai, University of Colorado at Boulder

Jada Etienne 5:15 PM  
CTCC-21  
**Presentation Title** Effects of Alcohol Use on the Olivocerebellar System  
**Research Mentor** Eric Lang  
**Research Institution** New York University Sackler Institute  
**Home Institution** Xavier University of Louisiana  
**Co-Authors** Eric Lang and Zhimin Cao, New York University

Amanda Eure 2:45 PM  
CTCC-23  
**Presentation Title** Zoom Into Action...Roller Coaster Physics  
**Research Mentor** James Curry  
**Research Institution** University of Colorado at Boulder  
**Home Institution** Winston-Salem State University  
**Co-Authors** James Curry, Anne Dougherty and John Flynt, University of Colorado at Boulder

April Evans 11:30 AM  
CTCC-17  
**Presentation Title** Access to HIV Care in a Rural District of Kenya  
**Research Mentor** Christine Wanke  
**Research Institution** Tufts University  
**Home Institution** Spelman College  
**Co-Authors** Miriam Schwartz, Mkaya Mwamburi, Chris Wanke and Olamide Javvett, Tufts University School of Medicine

Phylicia Fitzpatrick 4:45 PM  
CTCC-25  
**Presentation Title** Why Babar Makes You Vote Republican: the Effect of Metaphor on Political Attitudes  
**Research Mentor** Daniel Oppenheimer  
**Research Institution** Princeton University  
**Home Institution** Tougaloo College  
**Co-Authors** Daniel Oppenheimer, Princeton University

Alice Ford 3:00 PM  
CTCC-11  
**Presentation Title** Genetic Diversity of the Human Malaria Parasite Plasmodium vivax  
**Research Mentor** Jane Carlton  
**Research Institution** New York University Sackler Institute  
**Home Institution** University of Vermont  
**Co-Authors** Simon Kang’a, Fernando Merino and Jane Carlton, New York University

Monique Foster 11:45 AM  
CTCC-17  
**Presentation Title** Cellular Response of CD4 T-Cells after Stimulation with HIV Protein gp120  
**Research Mentor** Catarina Hioe  
**Research Institution** New York University Sackler Institute  
**Home Institution** University of Maryland, Baltimore County  
**Co-Authors** Catarina E. Hioe and Michael Tuen, New York University School of Medicine

Czestochowa Francois 11:45 AM  
CTCC-13  
**Presentation Title** The Genes Governing Planar Cell Polarity (PCP) in the Late Embryonic Epidermis of Drosophila  
**Research Mentor** Emily Marcinkevicius  
**Research Institution** Weill Cornell/ Rockefeller/Sloan-Kettering  
**Home Institution** Cornell University  
**Co-Authors** Jennifer Zallen and Emily Marcinkevicius, Sloan-Kettering Institute
Emily Garbinsky 11:15 AM
CTCC-25

Presentation Title Is Infant Learning and Imitation Selective?
Research Mentor Karen Wynn
Research Institution Yale University
Home Institution Carnegie Mellon University
Co-Authors Karen Wynn and J. Kiley Hamlin, Yale University

Dennis Gardner 3:00 PM
CTCC-23

Presentation Title Self Alignment and Spatial Self Organization of Nanoparticles in Liquid Crystals
Research Mentor Ivan Smalyukh
Research Institution University of Colorado at Boulder
Home Institution University of Colorado at Boulder
Co-Authors Ivan I. Smalyukh, University of Colorado at Boulder

Jason George 5:00 PM
CTCC-13

Presentation Title Neurodegenerative Effects of Conditional Rac1 Knockout, a Rho GTPase Critical for Neuritic Outgrowth and Cytoskeletal Organization
Research Mentor James Mandell
Research Institution University of Virginia School of Medicine
Home Institution King’s College
Co-Authors James Mandell and Daniel Heffron, University of Virginia

Adom Getachew 2:30 PM
CTCC-24

Presentation Title Boundaries of Belonging: Immigration and Xenophobia in a Reconstructed South Africa
Research Mentor David Simon
Research Institution Yale University
Home Institution University of Virginia
Co-Authors David Simon, Yale University

Charmaine Giles 3:00 PM
CTCC-25

Presentation Title The Role of Literacy in the Empowerment of African American Youth
Research Mentor Ernest Quimby
Research Institution Howard University
Home Institution Swarthmore College
Co-Authors Ernest Quimby, Howard University

Justin Glenn 11:30 AM
CTCC-14

Presentation Title Investigation Of Pathogen-Associated Molecular Pattern (PAMP) Sensing By Lymph Node Stromal Cells
Research Mentor Shannon Turley
Research Institution Harvard University, Division of Medical Sciences
Home Institution Vanderbilt University
Co-Authors Veronika Lukacs-Kornek and Shannon Turley, Dana-Farber Cancer Institute, Harvard Medical School

Derik Goatson 2:30 PM
CTCC-26

Presentation Title Acknowledging the Other: Navajo Peacemaking and Levinasian Ethics
Research Mentor Karen Jackson-Weaver
Research Institution Princeton University
Home Institution Brigham Young University
Co-Authors Leora Batnitzky, Princeton University

Yamila Goenaga-Vazquez 12:00 PM
CTCC-17

Presentation Title Integrated Stress Response in the Central Nervous System of Patients with HIV-Associated Neurocognitive Deficit
Research Mentor Kelly Jordan-Scuitto
Research Institution University of Pennsylvania
Home Institution UPR-Rio Piedras
Co-Authors Cagla Akay and Kelly L. Jordan Scuitto, University of Pennsylvania

Ximena Gomez 11:45 AM
CTCC-26

Presentation Title Why Not Botticelli? Re-examining the Role of Alessandro Botticelli through the Works of Raphael
Research Mentor Laurence Kanter
Research Institution Yale University
Home Institution Mount Holyoke College
Co-Authors Laurence Kanter, Yale University

Gilbert Gonzalez 4:15 PM
CTCC-13

Presentation Title The Effect of Ginkgolides on the Inhibition of Amyloid Beta Aggregates
Research Mentor Michael Shelanski
Research Institution Columbia University
Home Institution Medgar Evers College, CUNY
Co-Authors Michael L. Shelanski, Julio Pozueta Larios and Roger Lefort, Columbia University
Danielle Griego  11:15 AM  
CTCC-23  
Presentation Title  
Addressing Challenges in Developing Greenhouse Gas Inventories for Small, Destination-Resort Cities: A Case Study of Central City, Colorado  
Research Mentor  
Anu Ramaswami  
Research Institution  
University of Colorado at Boulder  
Home Institution  
University of Colorado at Boulder  
Co-Authors  
Anu Ramaswami and Andrea Gains-Germain, University of Colorado  

Trichelle Harris  3:30 PM  
CTCC-22  
Presentation Title  
Analyzing the Strategies of Similar Infectious Disease Modeling Techniques  
Research Mentor  
James Curry  
Research Institution  
University of Colorado at Boulder  
Home Institution  
Gambling State University  
Co-Authors  
James Curry, University of Colorado at Boulder  

Karissa Grier  3:30 PM  
CTCC-11  
Presentation Title  
Development of New Method to Investigate V. cholerae Genes Involved in Virulence Expression  
Research Mentor  
Jay Zhu  
Research Institution  
University of Pennsylvania  
Home Institution  
Savannah State University  
Co-Authors  
Jay Zhu and Zane Liu, University of Pennsylvania  

Jaime Guerra  3:00 PM  
CTCC-12  
Presentation Title  
High Mutation Rate in a Mitochondrial Microsatellite in the Tree Swallow (Tachycineta bicolor); Possibly the Largest Mutation Rate of Any Species  
Research Mentor  
Irby Lovette  
Research Institution  
Cornell University  
Home Institution  
New Mexico State University  
Co-Authors  
Irby Lovette and Chris Makarewich, Cornell University  

William Hamlette  11:30 AM  
CTCC-22  
Presentation Title  
Modeling Library Circulation Flow, Multi-Dimensional Research  
Research Mentor  
Research Institution  
University of Colorado at Boulder  
Home Institution  
Norfolk State University  
Co-Authors  
Clarence Ellis, University of Colorado at Boulder  

Rachael Hanna  3:30 PM  
CTCC-23  
Presentation Title  
Global Analysis of Protein Phosphorylation using Protein Chip Arrays  
Research Mentor  
Heng Zhu  
Research Institution  
Johns Hopkins University  
Home Institution  
Fort Lewis College  
Co-Authors  
Heng Zhu, Rob Newman and Heel-Sool Rho, Johns Hopkins University  

Elizabeth Henderson  4:30 PM  
CTCC-13  
Presentation Title  
How a Small Molecule Affects Aβ Misfolding Associated with Alzheimer's Disease  
Research Mentor  
James Shorter  
Research Institution  
University of Pennsylvania  
Home Institution  
Bennett College  
Co-Authors  
James Shorter and Haun Wang, University of Pennsylvania  

Tamara Herron  2:30 PM  
CTCC-21  
Presentation Title  
Kinetic Analysis of DNA Polymerase RB69 Mutant K560H in Pyrophosphorolysis  
Research Mentor  
William Konigsberg  
Research Institution  
Yale University  
Home Institution  
Rutgers University  
Co-Authors  
William Konigsberg, Yale University  

Iris-Ann Hoover  11:30 AM  
CTCC-27  
Presentation Title  
A Portrait of Poverty: How Structural Economic Conditions have Influenced Poverty Rates within the Northern East Coast  
Research Mentor  
Stephen Morgan  
Research Institution  
Cornell University  
Home Institution  
Beloit College  
Co-Authors  
Stephen L. Morgan, Cornell University  

Nzinga Hutchinson  12:15 PM  
CTCC-27  
Presentation Title  
Environmental Racism's Impact on Minority Communities  
Research Mentor  
Michael Frazier  
Research Institution  
Howard University  
Home Institution  
Morgan State University  
Co-Authors  
Michael Frazier, Howard University  

Lindsey Hyppolite 12:15 PM
CTCC-22
Presentation Title Determination Of Free Fuel Cell Fluoride by Colormetric Analysis
Research Mentor Preston Hayward
Research Institution Delaware State University
Home Institution Delaware State University
Co-Authors Preston Hayward, Delaware State University

Ogechukwu Imonugo 4:30 PM
CTCC-17
Presentation Title The Relationship Between Isolation Rearing and Stress-Induced c-fos Expression Levels in the Medial Prefrontal Cortex of Male and Female Rats
Research Mentor Sondra Bland
Research Institution University of Colorado at Boulder
Home Institution Georgia Institute of Technology
Co-Authors Sondra Bland, Jacob Beckley and Steven Maier, University of Colorado at Boulder

Maryam Irshad 3:15 PM
CTCC-25
Presentation Title Individual Approaches to Building Emotional Support in Pre-K Classrooms
Research Mentor Bridget Hamre
Research Institution University of Virginia School of Education
Home Institution George Mason University
Co-Authors Bridget Hamre and Jason Downer, University of Virginia

Sean Jackson 4:45 PM
CTCC-22
Presentation Title Stopping Rules for a Correlated Random Walk with a Limit on the Amount of Stops
Research Mentor James Curry
Research Institution University of Colorado at Boulder
Home Institution Truman State University
Co-Authors James Curry, University of Colorado at Boulder

Ruby Jackson-Atogi 2:30 PM
CTCC-11
Presentation Title Characterization of 2-Transmembrane Protein Superfamilies of Plasmodium falciparum
Research Mentor Thomas Templeton
Research Institution Weill Cornell/Rockefeller/Sloan-Kettering
Home Institution University of Maryland, Baltimore County
Co-Authors Sohini Sanyal and Thomas Templeton, Weill Cornell Medical College

Lacey Jewett 2:45 PM
CTCC-24
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 and Rebecca Hazard, Montana State University - Bozeman

David Anton Johnson 3:00 PM
CTCC-26
Presentation Title Absent Qualia and Memory
Research Mentor Karen Weaver
Research Institution Princeton University
Home Institution Amherst College
Co-Authors Karen Weaver, Princeton University

Niahm Kazeem 11:30 AM
CTCC-23
Presentation Title Phylogenetic Analysis of Flea Populations in Boulder, Colorado
Research Mentor Andrew Martin
Research Institution University of Colorado at Boulder
Home Institution Medgar Evers College, CUNY
Co-Authors Andrew Martin and Ryan Jones, University of Colorado at Boulder

Allison King 4:30 PM
CTCC-27
Presentation Title Information Processing and Causal Learning
Research Mentor Allan Wagner
Research Institution Yale University
Home Institution Haverford College
Co-Authors Allan Wagner, Yale University

Ambika Kirkland 11:45 AM
CTCC-24
Presentation Title Charity or Contempt? The Stereotype Content Model and Social Class Ambivalence
Research Mentor Susan Fiske
Research Institution Princeton University
Home Institution Gettysburg College
Co-Authors Ann Marie Russell and Susan T. Fiske, Princeton University
Jerard Kneifati-Hayek 12:00 PM CTCC-12
Presentation Title Identification of a KH7-Resistant Mutant of Soluble Adenylyl Cyclase
Research Mentor Jochen Buck
Research Institution Weill Cornell/Rockefeller/Sloan-Kettering
Home Institution Hunter College
Co-Authors Eric Salazar, Jochen Buck and Lonny Levin, Weill Cornell Graduate School

Maung-Tin Htoo Kyaw 11:30 AM CTCC-16
Presentation Title The Effects of SPP24 Regulation on Mineralization in a Dynamic Collagen Gel System
Research Mentor Adele Boskey
Research Institution Weill Cornell/Rockefeller/Sloan-Kettering
Home Institution Saint John’s University
Co-Authors Adele Boskey and Hayat Taleb, Hospital For Special Surgery; Jason Dorvee, Cornell University

Yanina Langle 2:45 PM CTCC-15
Presentation Title Molecular Characterization of a Novel HDL Gene
Research Mentor DANIEL RADER
Research Institution University of Pennsylvania
Home Institution University of Buenos Aires
Co-Authors Daniel Rader, John Stylianou and Beverly Paigen, University of Pennsylvania

Danielle Larson 11:15 AM CTCC-16
Presentation Title A Novel Negative Regulator of the Wnt Pathway?
Research Mentor Mary Lou King
Research Institution University of Miami
Home Institution Boston College
Co-Authors Mary Lou King and Xueting Luo, University of Miami

Nina Lauharatanahirun 4:30 PM CTCC-24
Presentation Title Debunking the Complexity Theory of Randomness
Research Mentor Daniel Oppenheimer
Research Institution Princeton University
Home Institution CSU Northridge
Co-Authors Chris Olivola and Daniel Oppenheimer, Princeton University

Stanislav Lazarev 12:00 PM CTCC-16
Presentation Title Effect of Tau Protein on the Rate of Microtubule Growth
Research Mentor Elizabeth Rhoades
Research Institution Yale University
Home Institution UC Berkeley
Co-Authors Elizabeth Rhoades and Shani Elbaum, Yale University

Mihan Lee 3:00 PM CTCC-24
Presentation Title Community Level Predictors of Sexual Risk among Young People in Connecticut
Research Mentor Trace Kershaw
Research Institution Yale University
Home Institution Yale University
Co-Authors Trace Kershaw and Anna Arnold, Yale School of Public Health

Kevin Lemair 2:45 PM CTCC-27
Presentation Title Effect of Cocaine on Condition Place Preference in Male Fischer Rats
Research Mentor Shirzad Jenab
Research Institution Hunter College
Home Institution Brooklyn College
Co-Authors Shirzad Jenab and Ruhal Hazim, Hunter College

Lynchy Lezeau 12:15 PM CTCC-17
Presentation Title Identification of Recombination Between Two or More Genetically Distinct HIV-1 Strains in Dually-Infected Individuals from Cameroon
Research Mentor Phillipe Nyambi
Research Institution New York University Sackler Institute
Home Institution Brooklyn College
Co-Authors Phillipe Nyambi and Rebecca Powell, New York University Sackler Institute

Tian Liang 3:15 PM CTCC-11
Presentation Title Examining the Role of the Surface Protein TRAP on Plasmodium sporozoite Motility and Invasion
Research Mentor Photini Sinnis
Research Institution New York University Sackler Institute
Home Institution Cornell University
Co-Authors Ijeoma Ejigiri and Photini Sinnis, New York University
<table>
<thead>
<tr>
<th>Name</th>
<th>Time</th>
<th>CTCC</th>
<th>Presentation Title</th>
<th>Research Mentor</th>
<th>Research Institution</th>
<th>Home Institution</th>
<th>Co-Authors</th>
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<tbody>
<tr>
<td>Katie Litts</td>
<td>11:15 AM</td>
<td>CTCC-14</td>
<td>The Effect of Blebbistatin on the Self Assembly of Toroidal Microtissues</td>
<td>Jeffrey Morgan</td>
<td>Brown University</td>
<td>University of Rochester</td>
<td>Jeffrey Morgan and Jacquelyn Youssef, Brown University</td>
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<td>Carla Lopez</td>
<td>4:45 PM</td>
<td>CTCC-12</td>
<td>Influence of Lifestyle Factors and BDNF Genotype on Stress-Induced Cognitive and Behavioral Impairment</td>
<td>Conor Liston</td>
<td>Weill Cornell/Rockefeller/Sloan-Kettering</td>
<td>Wellesley College</td>
<td>Conor Liston, Weill Cornell Medical College</td>
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<td>Richard Lopez</td>
<td>3:00 PM</td>
<td>CTCC-27</td>
<td>Cognitive Regulation in Smoking Behavior</td>
<td>Kevin Ochsner</td>
<td>Columbia University</td>
<td>Princeton University</td>
<td>Kevin Ochsner and Hedy Kober, Columbia University; Ethan Kross, University of Michigan</td>
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<td>Lascelles Lyn-Cook</td>
<td>4:30 PM</td>
<td>CTCC-16</td>
<td>Hepatic Ceramide Mediates Brain Insulin Resistance and Degeneration in Type 2 Diabetes Mellitus (T2DM) and Metabolic Syndrome</td>
<td>Suzanne De La Monte</td>
<td>Brown University</td>
<td>University of Arkansas at Little Rock</td>
<td>Suzanne De La Monte and Margot Lawton, Rhode Island Hospital Liver Research Center</td>
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<td>Fernando Marenco</td>
<td>2:30 PM</td>
<td>CTCC-17</td>
<td>Variations in the Cerebral Operculum of Infants with Complex Congenital Heart Disease</td>
<td>James Gee</td>
<td>University of Pennsylvania</td>
<td>University of Arizona</td>
<td>James Gee, Suyash Awate and Zhuang Song, University of Pennsylvania</td>
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<td>Silvia Marin</td>
<td>12:00 PM</td>
<td>CTCC-24</td>
<td>Focus of Attention in Relationships</td>
<td>Margaret Clark</td>
<td>Yale University</td>
<td>Mount Holyoke College</td>
<td>Margaret Clark, Yale University</td>
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<td>Raul Martinez</td>
<td>5:00 PM</td>
<td>CTCC-12</td>
<td>Voltage-gated Calcium Channels and their Role in Autism and Autism Spectrum Disorders</td>
<td>Anjali Rajadhyaksha</td>
<td>Weill Cornell Medical College</td>
<td>Stonehill College</td>
<td>Barry Kosofsky and Anjali Rajadhyaksha, Weill Cornell Medical College</td>
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<td>Brittany May</td>
<td>4:45 PM</td>
<td>CTCC-11</td>
<td>The Role and Effects of Sleep Quantity on BMI and Exercise of SisterTalk Participants</td>
<td>Thomas Lasater</td>
<td>Brown University</td>
<td>Tougaloo College</td>
<td>Thomas Lasater, Patricia Risica and Norma Hardy, Brown University</td>
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<td>Sade McKenzie</td>
<td>4:45 PM</td>
<td>CTCC-16</td>
<td>Role of Mast Cells and Local Renin Angiotensin System in Pancreas in a Model of Type I Diabetes</td>
<td>Randi Silver</td>
<td>Weill Cornell Graduate School</td>
<td>Union College</td>
<td>Rozalia Mora, Arul Veerappan, Nathan O’Connor, Alicia C. Reid and Randi B. Silver, Weill Cornell Graduate School</td>
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<td>Jesse Medina</td>
<td>3:00 PM</td>
<td>CTCC-15</td>
<td>Characterization of Recombinant La Crosse Virus Fusion Peptide Mutants</td>
<td>Francisco Gonzalez-Scarano</td>
<td>University of Pennsylvania</td>
<td>Brooklyn College</td>
<td>Francisco Gonzalez-Scarano and Samantha Soldan, University of Pennsylvania</td>
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<td>Krasimira Mikhova</td>
<td>3:00 PM</td>
<td>CTCC-14</td>
<td>Determining the Specificity of Self Peptides for MHC Class I Molecules and Characterizing their Role in T-cell Activation</td>
<td>Michelle Krogsgaard</td>
<td>New York University Sackler Institute</td>
<td>Arizona State University</td>
<td>Michelle Krogsgaard and Karolina Malecek, New York University Sackler Institute</td>
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<td>Carlos Miranda</td>
<td>3:30 PM</td>
<td>CTCC-27</td>
<td>Effects of Ventral Tegmental Area Infusion of IGF-1 Antagonist and PI3 Kinase Inhibitor on Behavioral Response to Amphetamine in Rats</td>
<td>Kenneth Carr</td>
<td>New York University Sackler Institute</td>
<td>Florida International University</td>
<td>Kenneth Carr, New York University Sackler Institute</td>
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<td>Linda Mohammadian</td>
<td>12:15 PM</td>
<td>CTCC-24</td>
<td>Effects of Physiological Arousal on Perception of Social Support</td>
<td>Margaret Clark</td>
<td>Yale University</td>
<td>Cornell University</td>
<td>Margaret Clark, Yale University</td>
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<td>Misty Montoya</td>
<td>11:45 AM</td>
<td>CTCC-16</td>
<td>Studies on the Role of the Scaffold Protein Spinophilin in Regulation of Platelet Activation in vivo and in vitro</td>
<td>Skip Brass</td>
<td>University of Pennsylvania</td>
<td>CSU San Jose</td>
<td>Peisong Ma and Skip Brass, University of Pennsylvania</td>
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<td>Erin Mooney</td>
<td>12:15 PM</td>
<td>CTCC-16</td>
<td>Regulation of RelB Stability by Lysine 414 and Lysine 217</td>
<td>Youhai Chen</td>
<td>University of Pennsylvania</td>
<td>Dickinson College</td>
<td>Youhai Chen and Li Li, University of Pennsylvania</td>
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<td>Felicia Moralez</td>
<td>12:15 PM</td>
<td>CTCC-26</td>
<td>Mexican Americans and the Popular Media in the Twentieth Century</td>
<td>Leah Wright</td>
<td>New York University Sackler Institute</td>
<td>Princeton University</td>
<td>Daniel Rodgers, Princeton University</td>
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<td>Amanda Moyer</td>
<td>3:30 PM</td>
<td>CTCC-21</td>
<td>Determination of the Optimal Amount of Formalin Fixed Paraffin Embedded Tissues from Products of Conception Using Laser Capture Microdissection Platform Required for Human Identity Testing</td>
<td>Zoran Budimlija</td>
<td>New York University Sackler Institute</td>
<td>Renssela Polytechnic Institute</td>
<td>Zoran M. Budimlija and Mechthild Prinz, NYC OCME, Department of Forensic Biology; Dorota Popiolek, NYU School of Medicine</td>
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<td>Jessian Munoz</td>
<td>11:30 AM</td>
<td>CTCC-21</td>
<td>Functional Characterization of TRPC7</td>
<td>David Clapham</td>
<td>Harvard University, Division of Medical Sciences</td>
<td>UPR-Cayey</td>
<td>Antonio Riccio, Ingrid Carvacho and David Clapham, Harvard Medical School</td>
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<td>Becky Myers</td>
<td>2:45 PM</td>
<td>CTCC-21</td>
<td>Structural and Biochemical Characterization of the PH and RA Domains</td>
<td>Stevan Hubbard</td>
<td>New York University Sackler Institute</td>
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<td><strong>Research Mentor</strong> Stevan Hubbard</td>
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<td><strong>Home Institution</strong> University of Oklahoma</td>
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<td><strong>Co-Authors</strong> Stevan Hubbard and Jinhua Wu,</td>
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<tr>
<td>Erica Myers</td>
<td>4:45 PM</td>
<td>CTCC-27</td>
<td>Handheld Computer System for Collecting Real Time Observational Data</td>
<td>Tina Stanton-Chapman</td>
<td>University of Virginia School of Education</td>
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<td><strong>Research Mentor</strong> Tina Stanton-Chapman</td>
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<td><strong>Research Institution</strong> University of Virginia School of Education</td>
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<td><strong>Home Institution</strong> Spelman College</td>
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<td><strong>Co-Authors</strong> Christopher B. Denning and</td>
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<td>Tina Stanton-Chapman, University of Virginia</td>
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<td>Taiyabah Naeem</td>
<td>4:30 PM</td>
<td>CTCC-15</td>
<td>Molecular Analysis of B3GALTL in a Patient with Peters Plus Syndrome</td>
<td>Tamim Shaikh</td>
<td>University of Pennsylvania Gallaudet University</td>
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<td><strong>Research Mentor</strong> Tamim Shaikh</td>
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<td><strong>Co-Authors</strong> Elizabeth Geiger, Chad Haldeman-Englert and</td>
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<td>Tamim Shaikh, Children's Hospital of Philadelphia</td>
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<td>Nikolas Nordendale</td>
<td>2:30 PM</td>
<td>CTCC-23</td>
<td>The Second Phase Transition of a Strontium on Silicon [1 0 0]</td>
<td>Fred Walker</td>
<td>Yale University</td>
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<td><strong>Research Mentor</strong> Fred Walker</td>
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<td><strong>Co-Authors</strong> Fred Walker, Yale University</td>
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<td>Christine Nothelfer</td>
<td>11:15 AM</td>
<td>CTCC-26</td>
<td>Perception and Shot Sequence Structure in Hollywood Film</td>
<td>James Cutting</td>
<td>Cornell University</td>
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<td>Chinonyerem Okoro</td>
<td>11:45 AM</td>
<td>CTCC-21</td>
<td>Inhibition of Human Dendritic Cells with Apoptotic Material</td>
<td>Nina Bhardwaj</td>
<td>New York University Sackler Institute</td>
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<td><strong>Research Mentor</strong> Nina Bhardwaj</td>
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<td><strong>Co-Authors</strong> Davor Frleta and Nina Bhardwaj,</td>
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<td>Ozioma Oji</td>
<td>11:15 AM</td>
<td>CTCC-27</td>
<td>Understanding Race in Society</td>
<td>Jennifer Eberhardt</td>
<td>Stanford University</td>
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<td><strong>Co-Authors</strong> Jennifer Eberhardt and Shantal Marshall,</td>
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<td>Larna Old Elk</td>
<td>4:15 PM</td>
<td>CTCC-11</td>
<td>Healing Our Own: Cancer Support Services on Crow Indian Reservation</td>
<td>Suzanne Christopher</td>
<td>Montana State University - Bozeman</td>
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<td><strong>Research Mentor</strong> Suzanne Christopher</td>
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<td><strong>Co-Authors</strong> Suzanne Christopher, Montana State University</td>
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<td>Ugochi Obih</td>
<td>12:15 PM</td>
<td>CTCC-11</td>
<td>Effect of BRCA2 in Response to DNA Replication Stress</td>
<td>Jeffrey Peterson, Weill Cornell/Rockefeller/Sloan-Kettering</td>
<td>New York University Sackler Institute</td>
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<td><strong>Research Mentor</strong> Juan Lafaille</td>
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<td><strong>Co-Authors</strong> James Borowiec and Anjana Saxena,</td>
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<td>Chiamaka Nwakeze</td>
<td>5:00 PM</td>
<td>CTCC-16</td>
<td>Examination of Potential Inflammatory Mechanisms Involved in</td>
<td>Jeffery Peterson, Weill Cornell/Rockefeller/Sloan-Kettering</td>
<td>Weill Cornell/Rockefeller/Sloan-Kettering</td>
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<td>Angiotensin-II-dependent Neurogenic Hypertension</td>
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<td><strong>Co-Authors</strong> Jeffrey Peterson, Weill Cornell/Rockefeller/Sloan-</td>
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<td>Kettering Tri-Institution; Robin Davisson, Weill Cornell Medical</td>
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Hunter Oliver-Allen 4:15 PM
CTCC-16

Presentation Title Evaluation of the Reproducibility and Repeatability of T1rho Relaxation of the Lumbar Intervertebral Discs Using Novel 3D Pulse Sequences at 1.5 and 3.0 Tesla
Research Mentor Ari Borthakur
Research Institution University of Pennsylvania
Home Institution The Colorado College
Co-Authors Arijitt Borthakur, Matthew Fenty and Chenyang Wang, University of Pennsylvania

Carilis Olmedo-Alvarez 11:45 AM
CTCC-27

Presentation Title Effect of the Nutrition Assistance Program on the Puerto Rican Population’s Support for the Independence Party
Research Mentor Keith Darden
Research Institution Yale University
Home Institution UPR-Rio Piedras
Co-Authors Keith Darden, Stephen Pitti and Alejandro Delgado, Yale University

Olubukola Oriola 4:45 PM
CTCC-15

Presentation Title Interaction of Hox Proteins and DNA Cofactor Extradenticle with DNA
Research Mentor Lawrence Shapiro
Research Institution Columbia University
Home Institution University of Maryland, Baltimore County
Co-Authors Lawrence Shapiro and XiangShu Jin, Columbia University

Danielle Pasquel 3:15 PM
CTCC-15

Presentation Title Constructing and Cloning Plasmids Containing Short Hairpin RNA Sequences for Silencing Studies of p53, mdm2, and mdmx Genes
Research Mentor Jill Bargonetti-Chavarria
Research Institution Hunter College
Home Institution UCLA
Co-Authors Jill Bargonetti-Chavarria and Angelika Brekman, Hunter College

Tulsi Patel 12:00 PM
CTCC-13

Presentation Title Arf Family GTPases and Cell Contact Mediated Polarization in C. elegans Embryos
Research Mentor Jeremy Nance
Research Institution New York University Sackler Institute
Home Institution University of Georgia
Co-Authors Jeremy Nance and Ann Wehman, New York University Sackler

Joseph Patterson 2:45 PM
CTCC-16

Presentation Title Role of Rho-associated Kinase and Myosin Light Chain Kinase in PNS Myelin Formation
Research Mentor Carmen Melendez-Vasquez
Research Institution Hunter College
Home Institution University of South Dakota
Co-Authors Ambika Tewari and Carmen V. Melendez-Vasquez, Hunter College

Nora Pencheva 5:15 PM
CTCC-12

Presentation Title Regulation of Dopamine Release in the Nucleus Accumbens Core
Research Mentor Margaret Rice
Research Institution New York University Sackler Institute
Home Institution Kenyon College
Co-Authors Zsuzsanna Sidlo and Margaret Rice, New York University

Justin Perez 12:15 PM
CTCC-15

Presentation Title Generation of Antibodies against P. berghei TLP for Localization Studies
Research Mentor Thomas Templeton
Research Institution Weill Cornell/Rockefeller/Sloan-Kettering
Home Institution Fordham University
Co-Authors Cristina Moreira and Thomas Templeton, Weill Cornell Medical College
Judit Perez Ortiz 4:15 PM
CTCC-21
Presentation Title Characterization of Proteoglycan Expression within Mitogenic Niches in the Developing Brain
Research Mentor Rosalind Segal
Research Institution Harvard University, Division of Medical Sciences
Home Institution UPR-Rio Piedras
Co-Authors Rosalind Segal, Dana Farber Cancer Institute; Rochelle Witt and Adriana Eisner, Harvard Medical School

Xuan Pham 3:15 PM
CTCC-12
Presentation Title Sequence Analysis in a Region of Chromosome 10q23 Associated with a Schizophrenia Phenotype
Research Mentor Dimitrios Avramopoulos
Research Institution Johns Hopkins University
Home Institution Virginia Commonwealth University
Co-Authors Paylong Chen and Dimitrios Avramopoulos, Johns Hopkins University

Armond Pietrocarlo 12:00 PM
CTCC-23
Presentation Title Synthesis of Carbohydrate Analogues of the beta-THF Acetogenin Group of Anti-tumor Agents
Research Mentor David Mootoo
Research Institution Hunter College
Home Institution Rochester Institute of Technology
Co-Authors David Mootoo and Stewart Bachan, Hunter College

Lekshmi Pillai 11:30 AM
CTCC-25
Presentation Title Pathways of Understanding: The Interrelationship between Caregivers’ Explanatory Model and the ADHD Treatment Process
Research Mentor Laurel Leslie
Research Institution Tufts University
Home Institution University of Houston
Co-Authors Laurel K. Leslie, Tufts University School of Medicine

Vidya Raghavan 4:45 PM
CTCC-14
Presentation Title Probing the Relationship between High Endothelial Venules and Lymphatic Vessels in Immunized Mice
Research Mentor Nancy Ruddle
Research Institution Yale University
Home Institution Mount Holyoke College
Co-Authors Nancy Ruddle, Yale University

Natalie Ramsey 2:45 PM
CTCC-11
Presentation Title Identification of Insulators in the Malaria Parasite Plasmodium falciparum
Research Mentor Kirk Deitsch
Research Institution Cornell University
Home Institution Howard University
Co-Authors Borko Amulic and Kirk Deitsch, Weill Cornell Graduate School

Bryan Ramson 4:45 PM
CTCC-23
Presentation Title Jet Finding in p+p Collisions at \( \text{vsNN} = 400 \text{ GeV} \) at RHIC
Research Mentor John Harris
Research Institution Yale University
Home Institution Howard University
Co-Authors John Harris and Helen Caines, Yale University

Henrike Resemann 12:15 PM
CTCC-21
Presentation Title Combining the Proteasome Inhibitors Bortezomib and Ritonavir to Induce Apoptosis in Multiple Myeloma Cells
Research Mentor Michele Pagano
Research Institution New York University Sackler Institute
Home Institution Jacobs University Bremen
Co-Authors Michele Pagano and Florian Bassermann, New York University

Scott Revey 4:15 PM
CTCC-25
Presentation Title Political Context and Perceptions of Corruption in Mexico
Research Mentor Jonathan Hiskey
Research Institution Vanderbilt University
Home Institution University of Arizona
Co-Authors Jonathan Hiskey and Juan Carlos Donoso, Vanderbilt University

Anny Reyes 3:00 PM
CTCC-13
Presentation Title Effects of Estrogen and Thyroid Hormone on Gene Expression
Research Mentor Anna Lee
Research Institution Weill Cornell/Rockefeller/Sloan-Kettering
Home Institution SUNY Albany
Co-Authors Donald W. Pfaff and Anna W. Lee, The Rockefeller University
Nicole Rivera 3:15 PM  
CTCC-26  
Presentation Title: The Women in Sarah Fielding’s “David Simple”  
Research Mentor: Ala Alryyes  
Research Institution: Yale University  
Home Institution: UPR-Rio Piedras  
Co-Authors: Ala Alryyes, Yale University

Dillon Robinson 3:30 PM  
CTCC-15  
Presentation Title: Preparation of Recombinant p53 Protein for the Analysis of p53-targeting Small Molecules  
Research Mentor: Mark Greene  
Research Institution: University of Pennsylvania  
Home Institution: Jackson State University  
Co-Authors: Mark I. Greene, Qiang Wang and Alan Berezov, University of Pennsylvania

Alan Rodriguez 5:00 PM  
CTCC-17  
Presentation Title: Nicotine Sensitivity Variations in Circadian Rhythms in Mice and the Effects of Melatonin on Nicotinic Acetylcholine Receptor (nAChR) Function  
Research Mentor: Jerry Stitzel  
Research Institution: University of Colorado at Boulder  
Home Institution: UPR-Rio Piedras  
Co-Authors: Jerry Stitzel, Megan Myrick and Kirsten Hesterberg, University of Colorado at Boulder

Lilia Rodriguez 4:45 PM  
CTCC-17  
Presentation Title: Nicotine Modulates Electrophysiological Correlates of Fear Memory  
Research Mentor: Steven Siegel  
Research Institution: University of Pennsylvania  
Home Institution: CSU Fullerton  
Co-Authors: Steven Siegel and Noam Rudnick, University of Pennsylvania

José Rodríguez 3:30 PM  
CTCC-12  
Presentation Title: Genetic Analysis of the Proteasome-Rad23 Interaction  
Research Mentor: David Auble  
Research Institution: University of Virginia School of Medicine  
Home Institution: UPR-Rio Piedras  
Co-Authors: David T Auble and Staton Wade, University of Virginia

Arelys Rosado 2:45 PM  
CTCC-17  
Presentation Title: Interplay Between Bacterial and Viral Transcription Termination Factors  
Research Mentor: Max Gottesman  
Research Institution: Columbia University  
Home Institution: UPR-Rio Piedras  
Co-Authors: Robert Washburn and Maxwell E. Gottesman, Columbia University

Santas Rosario 3:00 PM  
CTCC-16  
Presentation Title: Signaling Molecules Important for Focal Adhesion Formation  
Research Mentor: Elizabeth O. Harrington  
Research Institution: Brown University  
Home Institution: University of Miami  
Co-Authors: Elizabeth O. Harrington and Katie Grinnell, Brown University/VAMC

Nicholas Russell 3:30 PM  
CTCC-17  
Presentation Title: An Analysis of Cellular Force Application during Chemotaxis  
Research Mentor: Eric Dufresne  
Research Institution: Yale University  
Home Institution: Carnegie Mellon University  
Co-Authors: Eric Dufresne, Holger Kress and Cecile Mejean, Yale University

April Ryles 11:45 AM  
CTCC-25  
Presentation Title: The Impact of Attention Deficit Disorder on Mind-Wandering  
Research Mentor: Amishi Jha  
Research Institution: University of Pennsylvania  
Home Institution: Cornell University  
Co-Authors: Amishi Jha, University of Pennsylvania

Jenna Sablan 4:30 PM  
CTCC-25  
Presentation Title: The Politics of Special Education Financing  
Research Mentor: Thomas Romer  
Research Institution: Princeton University  
Home Institution: American University  
Co-Authors: Thomas Romer, Princeton University
Maria Sacta  3:15 PM  
CTCC-13  
**Presentation Title** The Role of the Methyltransferase Suv4-20h1 in Glucocorticoid Regulated Gene Transcription  
**Research Mentor** Yurii Chinenov  
**Research Institution** Weill Cornell/Rockefeller/Sloan-Kettering  
**Home Institution** New Jersey City University  
**Co-Authors** Yurii Chinenov and Inez Rogatsky, Hospital for Special Surgery  

Christina Sanchez  11:45 AM  
CTCC-12  
**Presentation Title** Altering the Activity of a DeNovo Designed Di-iron Carboxylate Enzyme  
**Research Mentor** Bill DeGrado  
**Research Institution** University of Pennsylvania  
**Home Institution** UC Santa Cruz  
**Co-Authors** William DeGrado and Amanda Reig, University of Pennsylvania  

Juan Santana  3:15 PM  
CTCC-16  
**Presentation Title** Lipocalin Signaling in Caenorhabditis elegans  
**Research Mentor** Meera Sundaram  
**Research Institution** University of Pennsylvania  
**Home Institution** UPR-Humacao  
**Co-Authors** Meera Sundaram and Kevin Cullison, University of Pennsylvania  

Melissa Santos  3:30 PM  
CTCC-16  
**Presentation Title** Caveolin-2: The Role It Plays as a Signaling Protein and in Regulating Cell Differentiation in Fetal Lung Type II Epithelial Cells  
**Research Mentor** Juan Sanchez-Esteban  
**Research Institution** Brown University  
**Home Institution** University of Maryland, Baltimore County  
**Co-Authors** Diana Drouillard, Yulian Wang and Juan Sanchez-Esteban, The Warren Alpert Medical School of Brown University  

Loren Saulsberry  4:30 PM  
CTCC-21  
**Presentation Title** Encoding of the Cough Reflex: Role of Nitric Oxide Signaling in the Brain Stem  
**Research Mentor** Brendan Canning  
**Research Institution** Johns Hopkins University  
**Home Institution** Wellesley College  
**Co-Authors** Brendan Canning and Yangling Chou, The Johns Hopkins University  

Ana Schwartz  12:00 PM  
CTCC-26  
**Presentation Title** Paratexts and Epitexts: “Oprah” and “Literary Culture”  
**Research Mentor** Edward Barnaby  
**Research Institution** Yale University  
**Home Institution** UC Berkeley  

Joshua Schwartz  3:00 PM  
CTCC-21  
**Presentation Title** Does Phosphorylation Inhibit Cyclic Nucleotide Gated Ion Channels?  
**Research Mentor** Anita Zimmerman  
**Research Institution** Brown University  
**Home Institution** Transylvania University  
**Co-Authors** Anita Zimmerman and Prachi Jilan, Brown University  

Emanuel Silva  5:00 PM  
CTCC-23  
**Presentation Title** Reaction Kinetics on Aerosol Particles  
**Research Mentor** Rex Skodje  
**Research Institution** University of Colorado at Boulder  
**Home Institution** University of Texas at San Antonio  
**Co-Authors** Rex T. Skodje, University of Colorado at Boulder  

Albert Soto  12:00 PM  
CTCC-22  
**Presentation Title** A Testbed for Control Moment Gyroscope Actuated Robotics  
**Research Mentor** Mason Peck  
**Research Institution** Cornell University  
**Home Institution** Texas A&M University  
**Co-Authors** Mason Peck and Daniel Brown, Cornell University  

Mark Starks  5:00 PM  
CTCC-25  
**Presentation Title** Ignorance Is Not Bliss: How Familiarity With Diseases Effects Charitable Giving  
**Research Mentor** Daniel Oppenheimer  
**Research Institution** Princeton University  
**Home Institution** Morehouse College  
**Co-Authors** Daniel Oppenheimer, Princeton University  
Jenniffer Stetler 3:00 PM
CTCC-17
Presentation Title Nonstructural Protein s1s Mediates Reovirus-induced Cell Cycle Arrest
Research Mentor Karl Boehme
Research Institution Vanderbilt University
Home Institution University of Missouri-Columbia
Co-Authors Terence S. Dermody and Karl W. Boehme, Vanderbilt University

Bryan Stierman 5:15 PM
CTCC-13
Presentation Title Voxel-Based Analysis of Brain Perfusion in Multiple Sclerosis
Research Mentor Matilde Inglese
Research Institution New York University Sackler Institute
Home Institution University of Texas at Austin
Co-Authors Matilde Inglese, Donatello Arienzo, Henry Rusinek, Glyn Johnson and Robert I. Grossman, New York University School of Medicine

Ashim Subedee 11:30 AM
CTCC-11
Presentation Title Epithelial-Mesenchymal Plasticity in Metastatic Prostate Cancer Cells
Research Mentor Bruce Zetter
Research Institution Harvard University, Division of Medical Sciences
Home Institution Iowa State University
Co-Authors Jacqueline Banyard and Bruce Zetter, Children's Hospital/Harvard Medical School

David Sullivan 5:00 PM
CTCC-15
Presentation Title Forward Genetic ENU Chemical Mutagenesis Screen for Novel Craniofacial and Replacement Tooth Formation for Zebrafish Mutants
Research Mentor Pam Yelick
Research Institution Tufts University
Home Institution Maryville College
Co-Authors Pam Yelick and Caitlin Stewart-Swift, Tufts University

Ameena Sweeting 12:00 PM
CTCC-25
Presentation Title Standardized Observation of How Teachers Effectively Manage Behavior in Pre-K Classrooms
Research Mentor Jason Downer
Research Institution University of Virginia School of Education
Home Institution Howard University
Co-Authors Jason Downer and Bridget Hamre, University of Virginia

Fiorella Tapia-Ortiz 3:30 PM
CTCC-13
Presentation Title Glucocorticoid Inhibition of Type I Interferon-inducible Gene Expression
Research Mentor Inez Rogatsky
Research Institution Weill Cornell Graduate School
Home Institution Queens College
Co-Authors Inez Rogatsky, Hospital for Special Surgery; Jamie Flammer, Weill Cornell Graduate School

Jose Marc T echner 12:00 PM
CTCC-21
Presentation Title 14-3-3: A Potential Mediator between Potassium Channels HERG and KVLQT1 in Long QT Syndrome
Research Mentor Gideon Koren
Research Institution Brown University
Home Institution University of Arizona
Co-Authors Gideon Koren and XiaoQin Ren, Rhode Island Hospital Cardiovascular Research Center

Jeannette Tenthorey 2:45 PM
CTCC-14
Presentation Title The Nuclear Localization of DNA Repair Complexes During Rearrangement of the Immunoglobulin Heavy-Chain Gene
Research Mentor Jane Skok
Research Institution New York University Sackler Institute
Home Institution Reed College
Co-Authors Jane Skok, Susannah Hewitt and Patricia de Souza, New York University School of Medicine

Megan Thibodeaux 2:45 PM
CTCC-12
Presentation Title The Effects of Genomic Instability Associated with Defective DNA Mismatch Repair Mechanisms on Short Tandem Repeat Loci Commonly Used in Forensic Human Identity Testing from Patients with Ulcerative Colitis
Research Mentor Grace Axler-DiPerte
Research Institution New York University Sackler Institute
Home Institution Louisiana State University-Baton Rouge
Co-Authors Grace Axler-DiPerte and Elisa Wurmbach, NYC OCME, Department of Forensic Biology; Franz Fogt, University of Pennsylvannia School of Medicine
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<td>Improving the Efficiency of the Image Reconstruction Algorithm Used in Soft-X-Ray Diffraction Microscopy</td>
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**Research Mentor** Sarah Rimm-Kaufman  
**Research Institution** University of Virginia School of Education  
**Home Institution** Georgia State University  
**Co-Authors** Sara Rimm-Kaufman, Erin McCracken and Temple Walkowiak, University of Virginia

Andre’ Whittington 5:00 PM  
CTCC-11  
**Presentation Title** The Association of Maternal Weight in Pregnancy on Birth Weight and Post-Natal Weight Gain  
**Research Mentor** Steven McGarvey  
**Research Institution** Brown University  
**Home Institution** Tougaloo College  
**Co-Authors** Stephen McGarvey, Brown University

Jessica Wynne 3:15 PM  
CTCC-24  
**Presentation Title** Correlates of Community Cohesion Among Lesbian and Bisexual Women  
**Research Mentor** Jeffrey Parsons  
**Research Institution** Hunter College  
**Home Institution** University of Michigan-Ann Arbor  
**Co-Authors** Jeffrey Parsons, Hunter College

Yihwa Yang 12:15 PM  
CTCC-14  
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**Research Mentor** Jeffrey Morgan  
**Research Institution** Brown University  
**Home Institution** University of Virginia  
**Co-Authors** Brian Bao and Jeffrey Morgan, Brown University

Weipeng Zhuo 12:15 PM  
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**Research Mentor** Dieter Soll  
**Research Institution** Yale University  
**Home Institution** University of Maryland, Baltimore County  
**Co-Authors** Dieter Soll and Dan Su, Yale University

Juin Zhou 5:15 PM  
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**Research Mentor** Jeanne Tsai  
**Research Institution** Stanford University  
**Home Institution** Hunter College  
**Co-Authors** Jeanne L. Tsai, Birgit Koopmann and Tamara Sims, Stanford University

Wenhui Zhou 3:15 PM  
CTCC-21  
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**Research Mentor** Carl Blobel  
**Research Institution** Weill Cornell/Rockefeller/Sloan-Kettering  
**Home Institution** UC Davis  
**Co-Authors** Victor Guaiquil and Steven Swendeman, Hospital For Special Surgery; Carl Blobel, Weill Cornell Medical College

Abena Yeboa 5:15 PM  
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**Research Mentor** Marta Tienda  
**Research Institution** Princeton University  
**Home Institution** Pennsylvania State University  
**Co-Authors** Marta Tienda, Princeton University

Daise Zannoni 3:30 PM  
CTCC-24  
**Presentation Title** Sex Tourism in Brazil  
**Research Mentor** Erica Williams  
**Research Institution** Stanford University  
**Home Institution** Hunter College  
**Co-Authors** Erica Williams, Stanford University
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<td>Analysis of the Growth Properties of SID-1, dsRNA channel- Depleted Mouse Embryonic Fibroblast Cells</td>
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<td>64</td>
<td>Maria-Carolina Simao</td>
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<td>Transgenerational Maintenance of Imprinted DNA Methylation</td>
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<td>Ja’Pel Sumpter</td>
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<td>Support Exchange in HIV Positive Main Partner Relationships: Effects on HAART Use</td>
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<td>72</td>
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<td>Vanessa Jimenez</td>
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<td>Involvement of Reactive Oxygen Species in Signaling Pathways Regulating Cisplatin-induced Death of Zebrafish (Danio rerio) Sensory Hair Cells</td>
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<td>Jenan Kharbush</td>
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<td>A Mutagenic Screen for Dominant-Negative Alleles of the swi6 gene in Schizosaccharomyces pombe</td>
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<td>Hoang-Lan Tran</td>
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<td>The Release of Intracellular ATP to the Extracellular Space via Mechanosensitive Channels</td>
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<td>79</td>
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<td>Analysis Of Blood And Lymphatic Vascular Development In Mutant Vezf1 Embryos Using Immunostaining</td>
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<td>Carlos Vera</td>
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<td>Effects of a Potent BMP-7 Mutant on HUVEC Cells</td>
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<td>Laura Mainardi</td>
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<td>Effects of Long Duration Anesthesia on Neural Activity and Neurovascular Coupling in Rats</td>
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<td>April Wayman</td>
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<td>Genetic Characterization of the Role of Vitamin K Epoxide Reductase in Mycobacterial Disulfide Bond Formation</td>
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<td>Nilsa Mendez</td>
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<td>Regulation of Estrogen Related Receptor alpha (ESRRA)Localization and Signaling by the Kinesin KIF17</td>
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<td>Renaldo Williams</td>
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<td>The Effects of Mutations in AQP5 on Epithelial Responses to Shear Stress and Cigarette Smoke</td>
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<td>Katherine Meyer</td>
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<td>The Role of the Histone Demethylase SPR-5 in DNA Damage Biology</td>
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<td>Tomi Wooden Legs</td>
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<td>Behavioral Markers of Neuroprotection: Locomotor Activity and Thigmotaxis</td>
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<td>87</td>
<td>Charles Molokwu</td>
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<td>Micromanipulation of DNA fibers</td>
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<td>88</td>
<td>Nasser Yaghi</td>
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<td>Functional Study of PHF8 PHD Finger in Histone Binding and Demethylation</td>
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<td>Development of an (in vitro) Assay to Examine the Role of Cadherin-11 in Fibroblast-Like Synoviocytes Mediated Cartilage Erosion</td>
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<td>Placental Gene Expression in Intrauterine Drug and Nicotine Exposure</td>
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<td>Mabel Mora</td>
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<td>A Screen for Mutants Affecting Epithelial Cell Polarity in Drosophila melanogaster</td>
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<td>Budri Abubaker-Sharif</td>
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<td>IKK-epsilon Mediated Human Cell Transformation</td>
<td>William Hahn</td>
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<td>Osemelu Aburime</td>
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<td>Structure/Function of Critical Cell Cycle Control Transcription Factor, FOXO1</td>
<td>Marianne Grant</td>
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<td>A Comparison of Human Bronchial Epithelial Cell Culture Phenotypes After Consecutive Culture Passages</td>
<td>Rosanna Forteza</td>
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<td>Quartz Deformation Microstructures and Fabrics on Seismogenic Fault, Homestake Shear Zone in Colorado</td>
<td>Colin Shaw</td>
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<td>Stephen Allsop</td>
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<td>Immune Analysis of a Vaccinated Sarcoma Patient</td>
<td>Glenn Dranoff</td>
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<td>Aisha Arroyo</td>
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<td>Applications of Combinatorics</td>
<td>Taniecea Arceneaux</td>
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<td>Fatmata Bah</td>
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<td>Homeodomain Interacting Protein Kinase 1 (HIPK1) Interacts with O-GlcNAc Transferase and is O-GlcNAcylated</td>
<td>Gerald Hart</td>
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<td>Angelo Bautista</td>
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<td>Protein Expression of His6-EF-TuA</td>
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<td>Nita Bigman</td>
<td>8:45-9:45 AM</td>
<td>Screening the Little Bighorn River, MT for Environmental Isolates of Esherichia coli 0157:H7</td>
<td>Susan Broadaway</td>
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Tamara Birdsbill 19 8:45-9:45 AM
Presentation Title Validation of an Omega-3 Fatty Acid Food Frequency Questionnaire in Native American Women
Research Mentor Christina Campbell
Research Institution Montana State University -Bozeman
Home Institution Montana State University -Bozeman
Co-Authors Christina Campbell, Montana State University

Maria Cantu 29 8:45-9:45 AM
Presentation Title Study of Apoptosis in Hypoxic p57Kip2 Mutant Embryonic Mouse Hearts
Research Mentor Lazaros Kochilas
Research Institution Brown University
Home Institution University of Texas Pan American
Co-Authors Lazaros Kochilas, The Warren Alpert Medical School of Brown University; Lori Underhill, Rhode Island Hospital

Matthew Bombyk 21 8:45-9:45 AM
Presentation Title Role of the ARGOS Gene Family in the Arabidopsis Ethylene Response
Research Mentor Eric Schaller
Research Institution Dartmouth College
Home Institution University of Minnesota-Twin Cities
Co-Authors G. Eric Schaller, Dartmouth College

Arnaldo Carreira 31 8:45-9:45 AM
Presentation Title Does the Expression of PD-1 on Septic Immune Cells Contribute to Altered Motility/Migratory Ability or Dwell Time?
Research Mentor Alfred Ayala
Research Institution Brown University
Home Institution UPR-Mayaguez
Co-Authors Gwendolyn F. Elphick, Xin Huang and Chun-Shiang Chung, Rhode Island Hospital/Division of Surgical Research

Ashon Bradford 23 8:45-9:45 AM
Presentation Title Race Disparities in Economic Vulnerability: Period and Cohort Patterns of Asset Poverty
Research Mentor Thomas Hirschl
Research Institution Cornell University
Home Institution Grambling State University
Co-Authors Thomas Hirschl, Cornell University

Joseph Chavarria-Smith 33 8:45-9:45 AM
Presentation Title Phytoestrogens are Responsible for Transcriptional Effects in Mice with Genetic Heart Disease via Pattern-defined Regulatory Islands
Research Mentor Leslie Leinwand
Research Institution University of Colorado at Boulder
Home Institution Western Kentucky University
Co-Authors Stephen Langer, Elizabeth Luczak and Leslie Leinwand, University of Colorado at Boulder

Justin Brown 25 8:45-9:45 AM
Presentation Title Antichagasic Activity of the Methanolic Extract from Anogeissus leiocarpus Roots
Research Mentor Clarence Lee
Research Institution Howard University
Home Institution Winston-Salem State University
Co-Authors Clarence Lee and Hilaire Kenguele, Howard University

Angel Chavez 35 8:45-9:45 AM
Presentation Title CP-Violation and the Origins of Our Universe
Research Mentor William Ford
Research Institution University of Colorado at Boulder
Home Institution University of Colorado at Boulder
Co-Authors William Ford and James Smith, University of Colorado at Boulder; Alessandro Gaz, Stanford University

Bethany Bush 27 8:45-9:45 AM
Presentation Title Identifying New Regulators of Autophagy
Research Mentor Sheila Thomas
Research Institution Harvard University, Division of Medical Sciences
Home Institution Winthrop University
Co-Authors Sheila Thomas and Janice Lee, Beth Israel Deaconess Medical Center/Harvard Medical School

Min-Jeong Cho 37 8:45-9:45 AM
Presentation Title Investigation on Effects of Phosphorylation on Cyclin B1 Degradation
Research Mentor Randall King
Research Institution Harvard University, Division of Medical Sciences
Home Institution University of Texas at Austin
Co-Authors Randall W. King and Kathleen L. Pfaff, Harvard Medical School
Daisy Colón-López 39 8:45-9:45 AM
Presentation Title Characterization of a Mutant DNA Replication Initiator: Expression, Purification and Functional Analysis
Research Mentor Roger McMacken
Research Institution Johns Hopkins University
Home Institution UPR-Rio Piedras
Co-Authors Roger McMacken and Brian Learn, Johns Hopkins University

Frank Conyers 41 8:45-9:45 AM
Presentation Title The Role of ZBP-89 in Hematopoiesis
Research Mentor Alan Cantor
Research Institution Harvard University, Division of Medical Sciences
Home Institution Morehouse College
Co-Authors Andrew Woo and Alan Cantor, Harvard University

Samantha Cote 43 8:45-9:45 AM
Presentation Title The Identification of Cargoes of Motor Protein KIF21A and the Functional Role During Neuronal Development
Research Mentor Elizabeth Engle
Research Institution Harvard University, Division of Medical Sciences
Home Institution Sacred Heart University
Co-Authors Long Cheng, Michelle Delisle, Jigar Desai, Elizabeth Engle and Carlos Miranda, Harvard University

Bryar Flansburg 45 8:45-9:45 AM
Presentation Title Effect of Zic 1 on Hox Gene Expression in Xenopus Embryos
Research Mentor Christa Merzdor
Research Institution Montana State University -Bozeman
Home Institution Fort Belknap College
Co-Authors Sara Muscarelli, Jean Cornish and Christa Merzdorf, Montana State University - Bozeman

Marissa Fountain 47 8:45-9:45 AM
Presentation Title Exercise Reduction of the Acute Stress Response: Does Voluntary Exercise Buffer the Effect of Social Isolation?
Research Mentor Heidi Day
Research Institution University of Colorado at Boulder
Home Institution Chaminade University of Honolulu
Co-Authors Heidi Day, Serge Campeau and Tara Nyhuis, University of Colorado at Boulder

Jodi Four Colors 49 8:45-9:45 AM
Presentation Title Matrix Vesicle Release During Bone Cell Mineralization
Research Mentor Shiela Nielson-Preiss
Research Institution Montana State University -Bozeman
Home Institution Stone Child College
Co-Authors Sheila Nielsen-Preiss, Montana State University

Elisabeth Garcia 51 8:45-9:45 AM
Presentation Title Effectiveness of Training Programs to Identify, Question, Persuade, and Refer Individuals at Risk for Suicide
Research Mentor George Haynes
Research Institution Montana State University -Bozeman
Home Institution Fort Peck Community College
Co-Authors George Haynes, Montana State University-Bozeman

Cassie Gibbs 53 8:45-9:45 AM
Presentation Title Characterizing Virulence Factors and Antibiotic Resistance in Novel Staphylococcus aureus Strains
Research Mentor Jovanka Voyich-Kane
Research Institution Montana State University -Bozeman
Home Institution Fort Peck Community College
Co-Authors Jovanka Voyich and Rainer Grant, Montana State University

Patricia Green 55 8:45-9:45 AM
Presentation Title The Effects of Estrogen In Treated MCF7 Cells and Rat Hepatocytes
Research Mentor John Groopman
Research Institution Johns Hopkins University
Home Institution Cornell University
Co-Authors John Groopman and Shelly Odwin, The Johns Hopkins University Bloomberg School of Public Health; Leslie Bransfield, The Johns Hopkins University Zanvyl Krieger School of Arts and Sciences

John Mark Gubatan 57 8:45-9:45 AM
Presentation Title Investigating the Role of the Osteoblastic Niche in Regulating Hematopoietic Stem Cell Mobilization
Research Mentor Amy Wagers
Research Institution Harvard University, Division of Medical Sciences
Home Institution Michigan Technological University
Co-Authors Amy J. Wagers and Shane R. Mayack, Harvard Medical School, Joslin Diabetes Center
Elizabeth Gutierrez  59  8:45-9:45 AM
Presentation Title  Functional Expression of beta2 Nicotinic Acetylcholine Receptor Construct with alpha-Bungarotoxin Sensitive Neuronal Subunits in Xenopus oocytes
Research Mentor  Edward Hawrot
Research Institution  Brown University
Home Institution  UPR-Mayaguez
Co-Authors  Geoffrey Chew and Edward Hawrot, Brown University

Elizabeth Henderson  61  8:45-9:45 AM
Presentation Title  Laser Induced Breakdown Spectroscopy
Research Mentor  Yuri Markushin
Research Institution  Delaware State University
Home Institution  Amherst College
Co-Authors  Steve Rock, Delaware State University

Alicia Henriquez  63  8:45-9:45 AM
Presentation Title  Analysis of the Growth Properties of SID-1, dsRNA channel- Depleted Mouse Embryonic Fibroblast Cells
Research Mentor  Jeiwook Chae
Research Institution  Harvard University
Home Institution  University of Central Florida
Co-Authors  Jeiwook Chae, Harvard University Arts and Sciences

Jeanette Hoops  65  8:45-9:45 AM
Presentation Title  Siderophore Production by Halophilic and Alkaliphilic Bacteria
Research Mentor  Abigail Richards
Research Institution  Montana State University -Bozeman
Home Institution  Montana State University -Bozeman
Co-Authors  Abigail M. Richards, Montana State University

Emmaline Jackson  67  8:45-9:45 AM
Presentation Title  Training Crow Women To Conduct Outreach Through Community Meetings
Research Mentor  Suzanne Christopher
Research Institution  Montana State University -Bozeman
Home Institution  Montana State University -Bozeman
Co-Authors  Suzanne Christopher and Vanessa Watts, Montana State University Bozeman

Jasmin Kharbush  77  8:45-9:45 AM
Presentation Title  A Mutagenic Screen for Dominant-Negative Alleles of the swi6 gene in Schizosaccharomyces pombe
Research Mentor  Danesh Moazed
Research Institution  Harvard University, Division of Medical Sciences
Home Institution  Ripon College
Co-Authors  Erica Gerace and Danesh Moazed, Harvard University

Candice King  79  8:45-9:45 AM
Presentation Title  Analysis Of Blood And Lymphatic Vascular Development In Mutant Vezf1 Embryos Using Immunostaining
Research Mentor  Heidi Stuhlmann
Research Institution  Weill Cornell Graduate School
Home Institution  Medgar Evers College, CUNY
Co-Authors  Heidi Stuhlmann, Weill Cornell Graduate School
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<td>Effects of Long Duration Anesthesia on Neural Activity and Neurovascular Coupling in Rats</td>
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<td>Chris Schaffer</td>
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<tr>
<td>Co-Authors</td>
<td>Chris Schaffer and Flor Medina, Cornell University</td>
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| Nylsa Mendez     | 83   | 8:45-9:45 AM  |
| Presentation Title | Regulation of Estrogen Related Receptor alpha (ESRRA) Localization and Signaling by the Kinesin KIF17 |
| Research Mentor | Geri Kreitzer |
| Research Institution | Weill Cornell Graduate School |
| Home Institution | UPR-Rio Piedras |
| Co-Authors       | Geri E. Kreitzer, Weill Cornell Graduate School |

| Katherine Meyer  | 85   | 8:45-9:45 AM  |
| Presentation Title | The Role of the Histone Demethylase SPR-5 in DNA Damage Biology |
| Research Mentor | Amanda Nottke |
| Research Institution | Harvard University, Division of Medical Sciences |
| Home Institution | Carleton College |
| Co-Authors       | Monica Colaiacovo and Amanda Nottke, Harvard University |

| Charles Molokwu  | 87   | 8:45-9:45 AM  |
| Presentation Title | Micromanipulation of DNA fibers |
| Research Mentor | Chandran Sabanayagam |
| Research Institution | Delaware State University |
| Home Institution | Delaware State University |
| Co-Authors       | Michael Meadows and Chandran Sabanayagam, Delaware State University; Jessica Dennings, Morgan State University |

| Paloma Monroig   | 89   | 8:45-9:45 AM  |
| Presentation Title | Development of an (in vitro) Assay to Examine the Role of Cadherin-11 in Fibroblast-Like Synoviocytes Mediated Cartilage Erosion |
| Research Mentor | Michael Brenner |
| Research Institution | Harvard University, Division of Medical Sciences |
| Home Institution | |
| Co-Authors       | Michael Brenner and Erika Noss, Brigham and Woman Hospital/Harvard Medical School |

| Mabel Mora       | 91   | 8:45-9:45 AM  |
| Presentation Title | A Screen for Mutants Affecting Epithelial Cell Polarity in Drosophila melanogaster |
| Research Mentor | Gertrud Schupbach |
| Research Institution | Princeton University |
| Home Institution | Dillard University |
| Co-Authors       | Gertrud Schupbach, Princeton University |

| Stephanie Morales | 2    | 9:45-10:45 AM |
| Presentation Title | The Effect of Pyocyanine Concentration on Calcium Levels in the Endoplasmic Reticulum in Human Airway Epithelial Cells |
| Research Mentor | Amy Palmer |
| Research Institution | University of Colorado at Boulder |
| Home Institution | UPR-Mayaguez |
| Co-Authors       | Amy Palmer and Schuyler Van Egelenburg, University of Colorado at Boulder |

| Eric Morgan      | 4    | 9:45-10:45 AM |
| Presentation Title | Electrochemical Study of Heteropolynetic Complexes |
| Research Mentor | Bizuneh Workie |
| Research Institution | Delaware State University |
| Home Institution | Delaware State University |
| Co-Authors       | Bizuneh Workie, Jessica Tyler, and Donna-Rae Boucek, Delaware State University |

| James Muller     | 6    | 9:45-10:45 AM |
| Presentation Title | The Molecular Basis for Differential Mating Speeds in Drosophila m. |
| Research Mentor | Harbinder Singh Dhillon |
| Research Institution | Delaware State University |
| Home Institution | Delaware State University |
| Co-Authors       | Harbinder Dhillon, Delaware State University |

| Jeanette Muniz   | 8    | 9:45-10:45 AM |
| Presentation Title | The Role of Transmembrane Collagens in Lung Cancer and Tumor Metastasis |
| Research Mentor | Bruce Zetter |
| Research Institution | Harvard University, Division of Medical Sciences |
| Home Institution | Dartmouth College |
| Co-Authors       | Bruce Zetter and Kristin Spivey, Harvard Medical School |
Cristina Nigro 10 9:45-10:45 AM
Presentation Title: Comparing a Potential Novel Antipsychotic Therapy, Glutamate mGlu2/3 Receptor Agonist, to Marketed Antipsychotics Using Biochemical, Behavioral and Molecular Pharmacology
Research Mentor: David Calligaro
Research Institution: Eli Lilly and Company
Home Institution: University of Pennsylvania
Co-Authors: David Calligaro, Eli Lilly and Company

Bahawa Nimaga 12 9:45-10:45 AM
Presentation Title: Signaling Stress Induced O-GlcNAc Modification of Nuclear and Cytoplasmic Proteins
Research Mentor: Natasha Zachara
Research Institution: Johns Hopkins University
Home Institution: San Diego Mesa College
Co-Authors: Natasha Zachara, Johns Hopkins University

Oscar Nnoli 14 9:45-10:45 AM
Presentation Title: Evaluation of Mechanisms Involved in the Therapeutic Effects of IFN-beta in Multiple Sclerosis
Research Mentor: Barbara Detrick
Research Institution: Johns Hopkins University
Home Institution: CSU Northridge
Co-Authors: Barbara Detrick, Johns Hopkins University; John J. Hooks and Kozaburo Hayashi, National Eye Institute, National Institutes of Health

Rafael Oania 16 9:45-10:45 AM
Presentation Title: BDNF Polymorphism and its Effects on Amygdala & Hippocampus Volumes & Behavioral Phenotypes
Research Mentor: Liat Levita
Research Institution: Weill Cornell Graduate School
Home Institution: Loyola Marymount University-Los Angeles
Co-Authors: Fatima Soliman, Liat Levita and BJ Casey, Weill Cornell Medical College

Inema Orukari 20 9:45-10:45 AM
Presentation Title: Electrophysiologic Monitoring of Brain Herniation from Space-Occupying Legion
Research Mentor: Nitish Thakor
Research Institution: Johns Hopkins University
Home Institution: CSU San Jose
Co-Authors: Nitish Thakor, Matt Koenig and Youngseok Choi, Johns Hopkins University

Sharon Paitoo 22 9:45-10:45 AM
Presentation Title: Spatial Differentials and Health Gaps in Ghana
Research Mentor: Michael White
Research Institution: Brown University
Home Institution: Fort Valley State University
Co-Authors: Michael White, Brown University

Marybelle Pe 24 9:45-10:45 AM
Presentation Title: The Subcellular Distribution of the NMDA Receptor Subunit NR2B in the Hypothalamus Following Hypertension on Young and Perimenopausal Mice
Research Mentor: Teresa Milner
Research Institution: Weill Cornell Graduate School
Home Institution: University of Illinois at Urbana-Champaign
Co-Authors: Teresa Milner, Weill Cornell Graduate School

Enmanuel Perez 26 9:45-10:45 AM
Presentation Title: Examining Proteins Involved in Neuronal Polarization
Research Mentor: Anthony Oliva
Research Institution: University of Miami
Home Institution: UPR-Rio Piedras
Co-Authors: Anthony Oliva and John Bixby, University of Miami

James Poland 28 9:45-10:45 AM
Presentation Title: A Microsporidial Protein is an Enzyme that Hypermethylates RNA Cap Structures
Research Mentor: Peter DiMaria
Research Institution: Delaware State University
Home Institution: Delaware State University
Co-Authors: Peter DiMaria, Krystal Lambert and Keri-lyn LaFountain, Delaware State University
Vinaykumar Prajapati 30 9:45-10:45 AM
**Presentation Title** Analysis of Tetracyclines in Manure and Soil Using Solid Phase Extraction and High Performance Liquid Chromatography
**Research Mentor** Qiquan Wang
**Research Institution** Delaware State University
**Home Institution** Delaware State University
**Co-Authors** Q.Q. Wang and R.C. Xuan, Delaware State University

Franklyn Rocha 40 9:45-10:45 AM
**Presentation Title** Mechanisms that Mediate Aβ-Enhancement of Tau Toxicity in Drosophila
**Research Mentor** Mel Feany
**Research Institution** Harvard University, Division of Medical Sciences
**Home Institution** UPR-Rio Piedras
**Co-Authors** Mel Feany and Brian Duboff, Harvard University Div. of Medical Sciences

Brittany Richardson 32 9:45-10:45 AM
**Presentation Title** Clinical, Radiographic, and Pathologic Phenotype of Patients with Myositis Associated ILD
**Research Mentor** Sonye Danoff
**Research Institution** Johns Hopkins University
**Home Institution** University of Maryland, Baltimore County
**Co-Authors** Sonye Danoff, Johns Hopkins University School of Medicine

Karen Rodriguez 42 9:45-10:45 AM
**Presentation Title** Thrombopoietin Modulates Hematopoietic Reconstitution through Regeneration after Vascular Niche
**Research Mentor** Shahin Rafii
**Research Institution** Weill Cornell Graduate School
**Home Institution** University of Colorado at Boulder
**Co-Authors** Jason Butler, Weill Cornell Graduate School; Shahin Rafii, Howard Hughes Medical Institute

Shilo Rides The Bear 34 9:45-10:45 AM
**Presentation Title** Development of a Culturally Educational Booklet on Patient/Provider Communication on the Crow Reservation
**Research Mentor** Suzanne Christopher
**Research Institution** Montana State University - Bozeman
**Home Institution** Little Big Horn College
**Co-Authors** Vanessa Watts, Montana State University Bozeman

Kenia Rodriguez 44 9:45-10:45 AM
**Presentation Title** Do Deficits in Swim Maze Performance in Dopamine Transporter Knockout Mice Reflect Impairments in Memory?
**Research Mentor** George Uhl
**Research Institution** Johns Hopkins University
**Home Institution** Vassar College
**Co-Authors** Scott Hall, National Institutes of Health; George Uhl, Johns Hopkins University School of Medicine/NIH

Rocio Rivera 36 9:45-10:45 AM
**Presentation Title** The NUT Monoclonal Antibody Epitope: A Tool to Characterize NUT Midline Carcinoma Oncogenesis
**Research Mentor** Christopher A. French
**Research Institution** Harvard University, Division of Medical Sciences
**Home Institution** UPR-Mayaguez
**Co-Authors** Christopher A. French and Michael Cameron, Brigham and Women's Hospital

Stephanie Rodriguez 46 9:45-10:45 AM
**Presentation Title** Defining the Relationship between Glial Progenitor Cells and Nodes of Ranvier in CNS White Matter
**Research Mentor** Dwight Bergles
**Research Institution** Johns Hopkins University
**Home Institution** Stanford University
**Co-Authors** Dwight Bergles and Lindsay DeBiase, Johns Hopkins University

Cameron Robinson 38 9:45-10:45 AM
**Presentation Title** Modulation of Angiotensin Receptors: Neuroprotective Efficacy
**Research Mentor** Alex Babcock
**Research Institution** Montana State University - Bozeman
**Home Institution** Montana State University - Bozeman
**Co-Authors** Alex M. Babcock and Courtney Chapman, Montana State University; Molly Kirk, Bozeman Senior High School

Andre Rosario 48 9:45-10:45 AM
**Presentation Title** HPV16 Subversion of Epigenetic Programs through Association with PcG Protein Complexes
**Research Mentor** Karl Munger
**Research Institution** Harvard University, Division of Medical Sciences
**Home Institution** Howard University
**Co-Authors** Karl Munger and Margaret McLaughlin-Drubin, Harvard University Div. of Medical Sciences
Maria Russell 50 9:45-10:45 AM

Presentation Title Freeze-Thaw Survival of Bacteria Isolated From Glacier Environments
Research Mentor Mark Skidmore
Research Institution Montana State University -Bozeman
Home Institution Chief Dull Knife College
Co-Authors Corien Bakermans and Mark Skidmore, Montana State University

Jennifer Salemme 52 9:45-10:45 AM

Presentation Title Regulation of PIASx Phosphorylation in Postsynaptic Differentiation
Research Mentor Azad Bonni
Research Institution Harvard University, Division of Medical Sciences
Home Institution University of Wisconsin, Whitewater
Co-Authors Tomoko Yamada and Azad Bonni, Harvard University, Division of Medical Sciences

Ilona Savich 54 9:45-10:45 AM

Presentation Title Chronological Life-Span Analysis of Histone H2B Mutants
Research Mentor Jef Boeke
Research Institution Johns Hopkins University
Home Institution Syracuse University
Co-Authors Jef Boeke and Junbiao Dai, Johns Hopkins Medical Institute

Hilary Schiffer 56 9:45-10:45 AM

Presentation Title Identification of the Bacterial Microbiota of the Adult Human Nares and Pharynx Using Culture-independent Methods
Research Mentor Roberto Kolter
Research Institution Harvard University, Division of Medical Sciences
Home Institution UMass Amherst
Co-Authors Roberto Kolter, Katherine P. Lemon and Vanja Klepac Ceraj, Harvard Medical School

Tiffany Shand 58 9:45-10:45 AM

Presentation Title Roles for the DNA Damage Checkpoint Protein Hus 1 in Skin Cancer
Research Mentor Robert Weiss
Research Institution Cornell University
Home Institution Brooklyn College
Co-Authors Stephanie Yazinski, Rachel Peters and Robert S. Weiss, Cornell University

Katharin Shaw 60 9:45-10:45 AM

Presentation Title Investigating Cytokinesis Defects Caused by a Small Molecule and the Knockdown of a Novel Gene
Research Mentor Ulrike Eggert
Research Institution Harvard University, Division of Medical Sciences
Home Institution Transylvania University
Co-Authors Ulrike Eggert and Xin Zhang, Harvard University

Elina Shrestha 62 9:45-10:45 AM

Presentation Title The Role of Kaposi’s Sarcoma Associated Herpes Virus Genomic Terminal Repeats in Viral Episomal Maintenance
Research Mentor Kenneth Kaye
Research Institution Harvard University, Division of Medical Sciences
Home Institution Mount Holyoke College
Co-Authors Kenneth Kaye and Horng-Shen Chen, Harvard University Div. of Medical Sciences

Maria-Carolina Simao 64 9:45-10:45 AM

Presentation Title Preparing for Reproduction: Estrogen and Progesterone Levels in Yellow Baboons (Papio cynocephalus)
Research Mentor Jeanne Altmann
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Home Institution Rice University
Co-Authors Jeanne Altmann and Laurence Gesquiere, Princeton University

Dariana Soto-Reyes 66 9:45-10:45 AM

Presentation Title Transgenerational Maintenance of Imprinted DNA Methylation
Research Mentor Paul Soloway
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Co-Authors Paul D. Soloway, Chelsea McLean and Amy Jobe, Cornell University

Maria Spire 68 9:45-10:45 AM

Presentation Title Community-associated MRSA: Understanding its Innate Immune Evasion Strategies
Research Mentor Jovanka Voyich-Kane
Research Institution Montana State University -Bozeman
Home Institution Chief Dull Knife College
Co-Authors Jovanka Voyich and Shannon Griffith, Montana State University
Ja’Pel Sumpter  70  9:45-10:45 AM
Presentation Title The Effect Of Coadsorption on Organic Acid Monolayer Formation
Research Mentor Steven Bernasek
Research Institution Princeton University
Home Institution Winston-Salem State University
Co-Authors Steven L. Bernasek, Princeton University

Johnny Taylor  72  9:45-10:45 AM
Presentation Title Pathogenic Bacteria Associated with Organic Produce
Research Mentor Clytrice Watson
Research Institution Delaware State University
Home Institution Delaware State University
Co-Authors Clytrice Watson, Delaware State University

Zenar Tekeste  74  9:45-10:45 AM
Presentation Title Prevention of Cigarette Smoke Induced Endothelial Cell Apoptosis
Research Mentor Rachel Damico
Research Institution Johns Hopkins University
Home Institution Delaware State University
Co-Authors Rachel L. Damico, Johns Hopkins University

Taralee Thompson  76  9:45-10:45 AM
Presentation Title Unfolded Protein Response in Pulmonary Hypertension
Research Mentor Gaurav Choudhary
Research Institution Brown University
Home Institution Brooklyn College
Co-Authors Gaurav Choudhary, Brown University/VAMC

Hoang-Lan Tran  78  9:45-10:45 AM
Presentation Title The Release of Intracellular ATP to the Extracellular Space via Mechanosensitive Channels
Research Mentor Guido Guidotti
Research Institution Harvard University
Home Institution UCLA
Co-Authors Guido Guidotti, Harvard University

Carlos Vera  80  9:45-10:45 AM
Presentation Title Effects of a Potent BMP-7 Mutant on HUVEC Cells
Research Mentor Scott Rowlinson
Research Institution Eli Lilly and Company
Home Institution UPR-Mayaguez
Co-Authors Jacquelyn McEntire and Scott Rowlinson, Eli Lilly and Company

April Wayman  82  9:45-10:45 AM
Presentation Title Genetic Characterization of the Role of Vitamin K Epoxide Reductase in Mycobacterial Disulfide Bond Formation
Research Mentor Jon Beckwith
Research Institution Harvard University, Division of Medical Sciences
Home Institution Mount St. Mary's College
Co-Authors Rachel J. Dutton, Dana Boyd and Jon Beckwith, Harvard Medical School

Renaldo Williams  84  9:45-10:45 AM
Presentation Title The Effects of Mutations in AQP5 on Epithelial Responses to Shear Stress and Cigarette Smoke
Research Mentor Venkataramana Sidhaye
Research Institution Johns Hopkins University
Home Institution Tougaloo College
Co-Authors Venkataramana Sidhaye and Landon King, Johns Hopkins School of Medicine

Tomi Wooden Legs  86  9:45-10:45 AM
Presentation Title Behavioral Markers of Neuroprotection: Locomotor Activity and Thigmotaxis
Research Mentor Mike Babcock
Research Institution Montana State University -Bozeman
Home Institution Chief Dull Knife College
Co-Authors Cameron Robinson, Courtney Chapman and Michael Babcock, Montana State University

Nasser Yaghi  88  9:45-10:45 AM
Presentation Title Functional Study of PHF8 PHD Finger in Histone Binding and Demethylation
Research Mentor Hank Qi
Research Institution Harvard University, Division of Medical Sciences
Home Institution Texas A&M University
Co-Authors Hank Qi and Yang Shi, Harvard Medical School

Erin Yarborough  90  9:45-10:45 AM
Presentation Title Placental Gene Expression in Intrauterine Drug and Nicotine Exposure
Research Mentor James Padbury
Research Institution Brown University
Home Institution Winston-Salem State University
Co-Authors Bethany McGonnigal and James Padbury, Women & Infants Hospital/Brown University
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*FIRST INSTITUTION LISTED = SUMMER RESEARCH INSTITUTION  SECOND INSTITUTION LISTED = HOME INSTITUTION*
Who's Who at the Symposium

Adriana Alejandro-Osorio
Booz Allen Hamilton

Adriana Alejandro-Osorio is currently a senior consultant with Booz Allen Hamilton supporting Senior Program Officer Yiwu He and the Global Health Discovery Team at the Bill & Melinda Gates Foundation, primarily in the area of biomarker and health surrogates discovery. Previously, she was a Genomic Sciences Fellow in the laboratory of Dr. Audrey Gasch in the department of Genetics and Genomic Sciences, investigating the role of the histone deacetylase Rpd3p coordinating a whole genome regulation of S. cerevisiae responding to multiple environmental stresses. Adriana received her B.Sc. in Chemistry at the Universidad de Puerto Rico, Recinto de Rio Piedras, where she was a MARC/U*STAR honors scholar. As an undergraduate, she also participated in Brown University's Summer Research and Early Identification Program (SR-EIP). Adriana later obtained her doctorate from the University of Wisconsin-Madison in Biomolecular Chemistry, with a minor in Genomics.

Dawn P.G. Brown
Eli Lilly & Company

Dawn P.G. Brown is currently a post-doctoral scientist in the Integrative Biology Dept. at Eli Lilly and Company in Indianapolis, IN. Her research includes biomarker discovery and drug development for Osteoarthritis and Alzheimers Disease in the laboratory of Dr. Kevin Duffin. Prior to this, she earned her PhD in Biochemistry and Molecular Biology at Indiana University School of Medicine, under the guidance of Dr. Mu Wang. Her dissertation work was titled Understanding Cisplatin Drug Resistance in Human Ovarian Cancer, in which she received funding by the GAANN fellowship, Edwin T Harper Scholarship and the Ruth L Kirschstein National Research Service Award from the NIH. She completed her undergraduate degree at Fisk University, where she first found her passion for research through summer internships at Clark Atlanta University, Purdue University and Indiana University-Purdue University in Indianapolis.

Joseph Brown
Stanford University

Joseph Brown is Assistant Dean for Graduate and Undergraduate Studies and Diversity Programs at the Stanford School of Humanities and Sciences. He also lectures in the department of Psychology. He received his BS degree in physics from Southwest Texas State University and a ScM degree in biomedical engineering from Brown University in 1990. After working for IBM as a marketing representative, he was admitted to the PhD program in psychology at Stanford University. His graduate work focused on the influence of stereotypes and prejudice on the intellectual identities and performance of minorities and women. After receiving his doctorate in 2000, he taught at the University of Washington. In January 2003 he returned to Stanford to work on graduate diversity.

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.
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 50% of all students drop out of graduate school and 17% 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.

Pat A. Creswell
Johns Hopkins University

Pat A. Creswell, MA, is Sr. Academic Graduate Program Coordinator in the Department of Cognitive Science, Krieger School of Arts and Sciences at Johns Hopkins University (JHU) in Baltimore. Under the supervision of principal investigator, Professor Paul Smolensky, Pat administers the National Science Foundation (NSF)-funded, Integrated Graduate Education and Research Training (IGERT) Program. Before coming to JHU, she was in charge of administering the federal, Help America Vote Act (HAVA) grant at the National Federation of the Blind headquarters in Baltimore. Creswell holds a masters’ degree in Non-profit Administration and Public Education from San Francisco State University, College of Creative Arts, San Francisco, CA, and a bachelor’s degree in fine arts from Towson University, Baltimore, MD. In the early 1990s, she founded a fine arts center for the visual and performing arts which she directed for seven years. She has also served as executive director and curator for the Franklin G. Burroughs, Simeon B. Chapin Art Museum in S.C., and manager of public and family programs at the internationally renowned Walters Art Gallery in Baltimore, MD.

Saul Fisher
American Council of Learned Societies

Saul Fisher is Director of Fellowship Programs of the American Council of Learned Societies. Before joining ACLS in 2005, Fisher was a program officer at The Andrew W. Mellon Foundation. Fisher received an A.B. in political science and philosophy from Columbia University, an M.A. in philosophy from Rice University, and a Ph.D. in philosophy from the Graduate School and University Center of The City University of New York. He also studied at the CNRS in Paris on a Fulbright award. His research is in the history and philosophy of science and the philosophy of architecture. He currently serves on the American Philosophical Association (APA) Committee on the Status and Future of the Profession. He is past president of HOPOS—the International Society for the History of Philosophy of Science—and a past chair of the APA Committee on Non-Academic Careers. Fisher is Adjunct Associate Professor of Philosophy at Hunter College of The City University of New York.
Michael S. Gaines  
University of Miami  

Michael Gaines is Professor of Biology and Assistant Provost for Undergraduate Research and Community Outreach at the University of Miami. He teaches courses in introductory biology, genetics and research design at the undergraduate level. Dr. Gaines is director of the Howard Hughes Medical Institute Undergraduate Education Program, the major goal of which is to increase the number of disadvantaged students in biomedical research careers. He also directs an NIH Bridge Program between the University of Miami and Miami-Dade College that aims to increase the number of community college students who are underrepresented minorities in the sciences transferring to research universities and completing baccalaureate degrees in biomedical fields. Dr. Gaines has been recognized as an outstanding teacher. He has won every major teaching award at the University of Miami, including a prestigious university wide Excellence in Teaching Award. Dr. Gaines’ research interests are focused on the ecological genetics of endangered small mammal species in South Florida. Currently, his research is being supported by the National Park Service and the U.S. Geological Service.

Sharon Gamble  
Columbia University  

Sharon Gamble is the Director of Minority Affairs and Special Programs at Columbia University. She is responsible for developing and directing programs to increase the number of doctoral candidates at the Graduate School from racial, ethnic and gender groups that are currently underrepresented. One of the programs she coordinates is the GSAS/Leadership Alliance Summer Research Program (SRP), which allows students to conduct independent research with Columbia faculty for eight weeks during the summer. Ms. Gamble works closely with faculty and departments to recruit and retain underrepresented doctoral students for GSAS programs. She also administers several fellowship programs that support the Graduate School's recruitment and retention goals. Ms. Gamble received her Baccalaureate from Bard College and a Master of Arts in English from The City College of New York.

Stephen M. Garcia  
University of Michigan  

Stephen M. Garcia is Assistant Professor of Public Policy at the University of Michigan. He teaches negotiation at the Gerald R. Ford School of Public Policy and the Stephen M. Ross School of Business. As a social psychologist, he is interested in decision-making and social comparison. Current projects examine social comparison factors that shape competition and willingness to enter profitable joint ventures. Garcia’s industry experience is in marketing at Charles Schwab, Merrill Lynch, and Wells Fargo. He received his undergraduate degree from Stanford (with distinction) and his Ph.D. in Psychology from Princeton. Stephen was previously a Research Fellow at the Program on Negotiation at Harvard Law School.

Beverly Karplus Hartline  
Delaware State University  

Beverly Karplus Hartline is the Dean of the College of Mathematics, Natural Sciences, and Technology at Delaware State University. Dr. Hartline’s professional activities involve broadening participation in science and engineering and attracting young students to science around the world. She currently serves on the National Science Foundation’s Committee on Equal Opportunities in Science and Engineering, on the editorial board of the Journal of Science Education and Technology, and on research program advisory committees at several universities. She received her B.A. degree in Physics and Chemistry from Reed College, and her Ph.D. in Geophysics from the University of Washington. Dr. Hartline has previously held numerous research and administrative positions at several Department of Energy National Laboratories, culminating with the Deputy Laboratory Directorship of the Argonne National Laboratory, managed by the University of Chicago. For two years she was the Assistant Director for Physical Sciences and Engineering at the White House Office of Science and Technology Policy.
Albert Hayward II

University of Miami

Albert Hayward is a graduate student in Developmental Neurobiology at the University of Miami where he is currently conducting research in Dr. Kathryn Tosney's lab. As an undergraduate at Morehouse College he participated in the Ronald E. McNair Post-Baccalaureate Achievement Program and conducted research under the mentorship of Dr. Valerie Haftel on function distinctions of filopodial adhesions. He received his B.S. in Biology from Morehouse College in 2006.

Mark Hernandez

University of Colorado at Boulder

Mark Hernandez is Professor of Environmental Engineering at the University of Colorado at Boulder, and the Director of the Colorado Diversity Initiative. He is a recipient of a National Science Foundation Career Award based on his research which interfaces classical industrial hygiene with recent advances in molecular biology. Dr. Hernandez holds a US Patent for heavy metals reclamation, maintains a modest consulting practice and serves as an expert witness to the remediation industry. He teaches courses in thermodynamics, civil engineering and applied environmental microbiology. He has been the lead academic advisor for numerous graduate students from socioeconomic backgrounds that are underrepresented in engineering.

Jocelyn Hicks-Garner

HRL Laboratories, LLC

Jocelyn Hicks-Garner is a Research Staff Member at HRL Laboratories, LLC in Malibu California. Dr. Hicks-Garner joined HRL in the fall of 2006 and has worked since her arrival in the Energy Technologies department developing fuel cell and rechargeable battery technologies. Prior to HRL, Dr. Hicks-Garner worked at Raytheon in El Segundo, California and at DuPont Central Research and Development in Wilmington, Delaware. Dr. Hicks-Garner received a B.S in Chemistry from Spelman College and a Ph.D. in Analytical Chemistry from the University of North Carolina at Chapel Hill.

George C. Hill

Vanderbilt University

George C. Hill, Ph.D. is the Levi Watkins, Jr. Professor of Medical Education in the Department of Microbiology and Immunology, and Associate Dean for Diversity at Vanderbilt University School of Medicine, Nashville, TN. He is also President of the National Foundation for Infectious Diseases. Dr. Hill is actively researching the electron transport systems in African trypanosomes and has held NIH RO1 grants and trained Ph.D. students, M.S. students and post-doctoral fellows. 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, most recently as a member of the NIGMS/NIH Advisory Council. He was elected to the Institute of Medicine of the National Academy of Sciences in 1998 and a Fellow of the Academy of Microbiology in 2002. Dr. Hill has held a Professorship in Microbiology and served as Vice President for Sponsored Research at Meharry Medical College, where he also served as Dean of the Graduate School, Director of the Division of Biomedical Sciences, and Associate Vice President for International Programs. Dr. Hill obtained his B.S. from Rutgers University, M.S. from Howard University, and Ph.D. from NYU and was an NIH Postdoctoral Special Research Fellow at the University of Cambridge, Great Britain. He has also been a Fulbright Fellow at the University of Nairobi, Kenya.
Malo Hutson  
University of California at Berkeley

Malo André Hutson is an Assistant Professor in the Department of City and Regional Planning at the University of California at Berkeley. Dr. Hutson’s research focuses on community and economic development, regional planning, urban sustainability, and population health. Prior to becoming a faculty member at Berkeley, Dr. Hutson was a Robert Wood Johnson Foundation Health and Society Scholar at the University of Michigan in the School of Public Health where he examined the relationship between the built environment and health disparities. Dr. Hutson earned both a B.A. in sociology and M.C.P. in city and regional planning at the University of California at Berkeley and his Ph.D. in urban and regional planning from the Massachusetts Institute of Technology.

Karen Jackson-Weaver  
Princeton University

Karen Jackson-Weaver is the Associate Dean for Academic Affairs and Diversity in the Office of the Dean of the Graduate School at Princeton University. Before accepting her current position at Princeton, Dr. Jackson-Weaver was the executive director of the New Jersey Amistad Commission. She received her bachelor of arts degree, and certificates in African-American studies and the teacher preparation program from Princeton University. While pursuing her undergraduate studies, she served as a fellow and summer intern for the Hon. Carol Moseley-Braun, and as a law clerk in the legal department of the National Association for the Advancement of Colored People [NAACP]. Upon graduation from Princeton, Jackson-Weaver attended Harvard University, where she received a specialized master’s degree in education. She holds a master of arts degree and a master of philosophy degree in American history from Columbia University. She has studied with leading educators, historians and scholars, including Dr. Sara Lawrence-Lightfoot, professor of education at Harvard University, Dr. Nell Painter, the Edwards Professor of History at Princeton University; and Dr. Cornel West, the Class of 1943 University Professor of Religion at Princeton University. Jackson-Weaver has worked in education for more than a decade with the New York City, Boston and Princeton, N.J., public-school systems. She served as a research fellow at the Institute for Research in African-American Studies at Columbia University, and as a visiting scholar at the King Center Library and Archives in Atlanta, Ga., where she completed research for her dissertation on black women’s leadership during the Civil Rights Movement.

Carl W. Jackson  
St. Jude Children’s Research Hospital

Carl Jackson is a faculty member at the St. Jude Children’s Research Hospital in Memphis, Tennessee. His major research areas include megakaryocyte biology and platelet production, platelet function, hematopoietic cytokine function, approaches to reduce hematopoietic damage in response to chemotherapy and radiation injury. The director of an innovative national and international Postdoctoral Fellowship Recruitment Program, he has written one hundred and fourteen peer-reviewed publications and thirteen book chapters. Dr. Jackson completed a Postdoctoral Fellowship from 1971 to 1973 at St. Jude Children’s Research Hospital. He received his PhD in 1971 from the University of Tennessee Radiation Biology Institute, in Knoxville. He earned his BA in 1963 from Southern Illinois University.
Jennifer Johnson
Princeton University
Jennifer Johnson is a doctoral candidate in the Department of History at Princeton University. She earned a BA in History from Brown University in 2004. Jennifer participated in the Institute for Recruitment of Teachers (IRT) summer program in 2003 and was a Mellon Mays Undergraduate Fellow. Her current research focuses on medicine, health care, and the Red Cross in Algeria during the war for independence. Having just finished dissertation research in France, Algeria, and Switzerland, Johnson plans to teach and complete her degree by December 2009.

Marquea King
Environmental Protection Agency
Marquea King is an environmental scientist with the Environmental Protection Agency in Washington, DC. She works with the Federal Advisory Committee to the National Advisory Committee on Acute Exposure Guideline Levels (AEGLs). The committee is responsible for developing AEGLs, which are intended to describe the risk to humans resulting from exposures to airborne chemicals. The National Advisory Committee for AEGLs is developing these guidelines to help both national and local authorities, as well as private companies, deal with emergencies involving spills, or other catastrophic exposures. Dr. King received her B.S. in Chemistry from Delaware State University (DSU) in 1997. She graduated as a MARC Scholar and participated in five summer research opportunities. These were completed at the Milton S. Hershey Medical Center, DSU, the University of Pennsylvania, the University of Maryland at Baltimore, and the National Institute on Aging. She went on to the Virginia-Maryland Regional College of Veterinary Medicine at Virginia Polytechnic Institute and State University and received her PhD in Neuroimmunology/Toxicology in 2002.

Nikia Laurie
St. Jude Children’s Research Hospital
is a newly appointed Assistant Professor at Northwestern Children’s Research Hospital. Prior to becoming a faculty member, Dr. Laurie conducted her postdoctoral research at St. Jude’s Children Hospital where her research focused on discovering and characterizing new treatments for retinoblastoma. At Xavier University where Dr. Laurie earned her B.S. in biology, she conducted research through the Leadership Alliance Summer Research Early Identification Program. She completed research projects in clinical pharmacology at Brown University (1993) and in genetics at Yale University (1994). Following graduation from Xavier, Dr. Laurie attended Brown University for her graduate study in cancer biology where she obtained her Ph.D. from the Pathobiology Program.

Ferentz LaFargue
Eugene Lang College
The New School for Liberal Arts
Born in Haiti, Ferentz LaFargue moved to Jamaica, Queens in 1981 at the age of five, joining his parents who had immigrated to the United States in 1976. Prior to completing his PhD in African American and American Studies at Yale University, Ferentz earned his B.A. in Africana Studies and English at Queens College, CUNY. Ferentz matriculated at Queens through S.E.E.K. and was later awarded the prestigious Mellon Minority Undergraduate Fellowship, and an internship at the Village Voice. In 2007 Ferentz’s debut memoir, Songs in the Key of My Life was published by Harlem Moon/Doubleda. His essays have appeared in the collections Starting With I (Persea Books, 1997) and Strong Teens, Strong Neighborhoods (2007), the inaugural issue of Bronx Biannual (Akashic Books 2006), and at 215mag.com. Ferentz currently shares his thoughts on contemporary events and politics at The Huffington Post and RealPolitical.com.
Noe Lozano

Stanford University

Noé Pablo Lozano is the Associate Dean for Student Affairs and Director of the Engineering Diversity Programs in the School of Engineering at Stanford University. He is also President and Chairman of the Board of Directors for the Five Gardner Medical and Mental Health Clinics in the Santa Clara County, CA., is on the Executive Committee of the National Consortium for Graduate Minorities in Engineering and Sciences (GEM), and on the Board of Directors for the National Physical Sciences Consortiums (NPSC). Lozano has over twenty years of higher education experiences in academic and student affairs administration. As an educator, he lectures on culture and technology, organizational behavior, psychosocial factors, cross-cultural-diversity education, and learning methods. His goal is to empower students to succeed through academic development, personal development, professional growth, and achieving individual goals. He received a Ph.D. with distinction from the University of California, Berkeley; he earned a Masters degree from Stanford University and a teaching credential and Bachelor’s degree with honors from the University of California, Santa Cruz in Psycho-biology. He has received advisor and lecturer of the year awards several times from the Stanford Terman Scholars, AISES, NSBE-SBSE, SHPE-MAES-HENAAC-SSCLES, SWE, and Stanford’s El Centro.

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, he held the position of Academic Coordinator within the Athletics Department of Auburn University, where he monitored the academic progress of student athletes to insure NCAA compliance. Following Auburn, he worked for New Jersey Educational Opportunity Fund (EOF) 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 maintains ties to EOF by serving as part of the Executive Board for its Professional Association. While at Atlantic Cape, Marshall also served as an adjunct instructor in Anatomy and Physiology, in the Department of Science and Mathematics. Marshall obtained his B.A. in Biology from The Richard Stockton College of New Jersey, and Masters of Life Sciences from The University of Maryland, College Park.

Oscar Martinez

University of Colorado, Boulder

Oscar Martinez Jr. is a Physical Chemistry PhD candidate at the University of Colorado at Boulder. His laboratory astrophysics studies focus on the ion-neutral chemistry of the interstellar medium. Martinez is originally from El Paso, Texas. Having served an enlistment in the United States Air Force, he completed both a B.A. in modern languages and linguistics and a B.S. in chemistry at the University of Maryland Baltimore County (UMBC) in 2005. He is currently on track to finish his doctoral studies in the spring of 2010.
Kyndra Middleton  
Educational Testing Service

Kyndra V. Middleton received a B.S. in Mathematical Sciences from Florida A&M University and both her M.A. and Ph.D. degrees from The University of Iowa. During the summer of 2001, she was a participant at Brown University’s Research Experience for Undergraduates in partnership with the Leadership Alliance. Currently, Dr. Middleton is the Sylvia Taylor Johnson postdoctoral fellow at Educational Testing Service in Princeton, New Jersey where she works on test score validity issues in standardized testing.

Sharon Milgram  
National Institutes of Health

Dr. Sharon Milgram worked for two years as a physical therapist before returning to graduate school at Emory University where she earned a PhD in cell biology. She is currently the Director of the Graduate Partnerships Program and the Office of Intramural Training and Education at NIH where she also runs an active research lab. Dr. Milgram's research focuses on cell signaling and protein trafficking in polarized cells. Dr. Milgram joined NIH is April 2007 from the University of North Carolina at Chapel Hill where she was Professor of Cell & Developmental Biology and the director of several training programs for undergraduate students, doctoral students, and postdoctoral fellows. She has a passion for working with students at all educational levels—in the lab, classroom, and in many different informal settings.

Darryl Murray  
National Institutes of Health

Dr. Darryl Murray received his undergraduate and Masters degrees from Alabama State University and later earned his Ph.D. from the Johns Hopkins University while participating in an National Institutes of Health (NIH) partnership program with the University. Dr. Murray began his career at the NIH 23 years ago as a laboratory technician. After receiving his Ph.D. he conducted his postdoctoral training at the Laboratory of Genetics in the National Institute of Aging (NIA), NIH. As a postdoctoral fellow, Dr. Murray's research involved the characterization of chromatin remodeling complexes and their role in gene regulation. In 2005, Dr. Murray was appointed as the Postdoctoral Recruitment Specialist and Associate Training Director for the NIA Intramural Research Program. In this capacity he conducted recruitment activities for postdoctoral fellows, clinical fellows, staff scientists, tenure track scientists and upper level technical staff. He also designed and implemented training, mentoring and career development initiatives for postdoctoral trainees at the NIA. Currently, Dr. Murray serves as Director of the NIH Undergraduate Scholarship Program (UGSP). The NIH UGSP offers competitive scholarship awards to students from disadvantaged backgrounds who have a commitment to biomedical, behavioral and social sciences research. Along with scholarship support, students receive research training at the NIH during the summer and paid employment and training at the NIH following graduation.
Tenea Nelson
Stanford University

Tenea Nelson is the Director of Diversity and Outreach Programs within the Genetics Department of the Stanford University School of Medicine. Dr. Nelson works with faculty to recruit and mentor diverse graduate students through programs such as SR-EIP, the Stanford Summer Research/Amgen Scholars Program and the Stanford Diversity Outreach Program for Doctoral Education (STANDOUT). Dr. Nelson is a graduate of Mary Baldwin College, where she received a B.S. with distinction in Chemistry, and the University of Rochester, where she obtained an M.S. and Ph.D. in Toxicology. Prior to her role at Stanford University, Dr. Nelson worked as a research scientist in the biotechnology sector, aiding in the development of pharmaceuticals to combat cancer, autoimmune disease and HIV/AIDS.

Christine O’Brien
Ford Foundation Diversity Fellowship Programs
The National Academies

Chris O’Brien has worked at the Fellowships Office of the Policy and Global Affairs Division of the National Academies since the mid-1970’s. She has been involved in the administration of numerous fellowship programs, varying in level from predoctoral through postdoctoral and by funding source (public and private). Since 1979, O’Brien has worked primarily on the Ford Foundation Predoctoral, Dissertation, and Postdoctoral Fellowship Programs. The most recent cohort of fellowship recipients received their awards in spring 2006, bringing the total number of Ford Fellowship awards (administered by the National Academies) to 2,500. Ms. O’Brien received her B.S. from St. Joseph’s University in Philadelphia and M.S. in Education from Villanova University.

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 PhD and postdoctoral training. He also serves as Director of NYU’s Sackler Institute of Graduate Biomedical Sciences, the largest PhD granting division of NYU’s Graduate School of Arts and Sciences, is a member of the School of Medicine’s MD and MD/PhD Admissions Committees and chairs the PhD 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 School of Medicine.
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 six books and monographs and numerous articles and chapters. Dr Pearson heads the evaluation team that conducts an annual evaluation of the Leadership Alliance SR-EIP. He is a Fellow of the American Association for the Advancement of Science (AAAS) and a lifetime National Associate of the National Academies. He has been a lecturer in Sigma Xi’s Distinguished Lectureship Program; chair of the Committee on Equal Opportunities in Science and Engineering (CEOSE), National Science Foundation (NSF) and chair of the Committee for Science, Engineering and Public Policy, of the AAAS. 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 PhD from Southern Illinois University, Carbondale and held postdocs at the Educational Testing Service and the Office of Technology Assessment, U.S. Congress.

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 in Orangeburg, South Carolina. 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.

Terry Plater  
Cornell University

Terry Plater is the Associate Dean for Academic Affairs in Cornell University’s Graduate School. She previously taught at the School of Architecture and Urban Planning at the University of Wisconsin-Milwaukee. Her areas of expertise include international migration and immigration, African development, urban development and community planning, and architectural analysis. She has received numerous grants and awards, including a Kellogg Foundations leadership fellowship. She has also worked for the Ford Foundation where she was involved in a grant-giving program with countries in the Middle East and North Africa. In addition she is a visual artist whose paintings have been exhibited in Philadelphia and Ithaca galleries. She completed her undergraduate degree in psychology with a minor in fine arts at the Villanova University. She has a master’s in architecture from Columbia University and earned a Ph.D. in city and regional planning from the University of Pennsylvania.

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.
Shella Saint Fleur
New York University

Shella Saint Fleur recently completed her fifth year of studies at the MD/PhD program of New York University School of Medicine. She received her Bachelors degree in Biology from Brooklyn College of the City University of New York in 2003. She participated at the Summer Honors Undergraduate Research program (SHURP) at Harvard Medical School in 2002.

Rachelle Salomon
National Institutes of Health

Rachelle Salomon recently assumed her current position as a program officer at the National Institute of Allergy and Infectious Diseases. Prior to this, she was a postdoctoral fellow at St. Jude Children's Research Hospital in Memphis, TN where she studied the pathogenesis of and immune responses to highly virulent avian influenza, commonly referred to as "bird flu", in vivo. Her research was conducted in the laboratory of Dr. Robert Webster and Erich Hoffmann in the Department of Infectious Diseases. Dr. Salomon earned her B.S. in the Biological Sciences at the University of Maryland Baltimore County (UMBC), where she was a Meyerhoff Scholar. As an undergraduate she participated in Brown University's Summer Research and Early Identification Program (SR-EIP). She later earned her Ph.D in Immunology from Brown University.

Nancy B. Schwartz
University of Chicago

Nancy B. Schwartz is Dean for Graduate and Postdoctoral Affairs in the Division of Biological Sciences at the University of Chicago, a position that oversees all aspects of PhD and postdoctoral training. She also serves as Director of an MD/PhD training program, Postbac Program (PREP), P30 IDDRC Center, a PO1 program project and an RO1. She participates in and/or holds leadership positions in numerous institutional, governmental and national committees, boards and organizations (NIH, AAMC, GRE, NPA, etc). Dr. Schwartz received the BS degree in Chemistry and PhD in Biochemistry from the University of Pittsburgh and held an Arthritis Foundation Fellowship, AHA Investigatorship, NIH RCDA, Merit Award and currently a Mentor of Excellence for research training.

Pamela Scott-Johnson
Morgan State University

Pamela E. Scott-Johnson is Chair and Associate Professor in the Department of Psychology at Morgan State University in Baltimore, MD. Dr. Scott-Johnson's research seeks to examine the gender differences in psychosocial factors that impact health and wellness, particularly weight. She has been an active participant with the American Psychological Association Education and Science Directorates, Project Kaleidoscope/Faculty for the 21st Century, and the Association of Heads of Departments of Psychology (AHDP). She has served on a number of review panels within the academic and funding agencies. Prior to her academic affiliations, Dr. Scott-Johnson worked in the food industry as a senior research scientist examining the neural, physiological, and behavioral bases of taste and smell related to food products. Dr. Scott-Johnson has held memberships in the Society for Neuroscience, Faculty for Undergraduate Neuroscience (FUN; councilor), the American Psychological Association, and the Association for Chemoreception Sciences (AChemS). She earned a B.A. degree in Psychology and graduated magna cum laude from Spelman College in 1982, and an M.A. and Ph.D. in Psychology and Neuroscience from Princeton University.
Evelyn Simien
University of Connecticut
Evelyn M. Simien is an associate professor in the department of political science at the University of Connecticut. She graduated cum laude from Xavier University of Louisiana with a B.A. in political science. Dr. Simien received both her M.A. and Ph.D. from the department of political science at Purdue University. A nationally recognized teacher, she was awarded the 2006 Anna Julia Cooper Teacher of the Year Award from the National Conference of Black Political Scientists. She teaches African American politics, Black Leadership and Civil Rights, and Black Feminist Politics. Dr. Simien has published in such peer-reviewed journals as *Politics and Gender*, *Frontiers: A Journal of Women’s Studies*, *Social Science Quarterly*, *The Journal of Black Studies*, *Women and Politics*, and *Political Science Quarterly*. Her first book, *Black Feminist Voices in Politics* (State University of New York Press, 2006), uses a national telephone survey of the adult African American population to ascertain the simultaneous effects of race and gender on political behavior—specifically, voter turnout and campaign activity. Besides her academic and professional accomplishments, Dr. Simien is devoted to community service and has worked with Springfield School Volunteers, Connecticut Valley Girl Scouts, and the National Urban League of Greater Hartford.

Laurel Southard
Cornell University
Laurel Southard is Director of Undergraduate Research in Biology at Cornell University. She directs the Cornell Hughes Scholar Program, the Leadership Alliance Summer Program, the Honors Program in Biology and anything else that sounds like fun! She grew up in the mountains of Northern New Mexico surrounded by lots of animals, plants, and open skies. She was destined to be a biologist! Dr. Southard did her undergraduate work at the University of New Mexico as biology and art double major. The highlight of her time there was the undergraduate research she did with Dr. Alexander Kisch of the University of New Mexico School of Medicine. His belief of her unproven abilities inspired a lifelong love of infectious disease and her recognition of the power of mentoring and faculty support. Based on her work with him, she went to Tulane University to study parasitology and tropical medicine. Finding the south a little too humid for her desert rat physiology, she eventually found her way to Cornell University where she worked for many years before being accepted into the graduate program in Biochemistry, Cell and Molecular Biology. She did her thesis work on retrovirus particle formation in the laboratory of Dr. Volker Vogt. Several years later she was named the Director of the Cornell Hughes Program.
represented minority groups to consider careers in
sciences. Dr. Spragg is the developer and director of the
Summer Honors Undergraduate Research Program and,
until recently, was the faculty administrative advisor to the
Four Direction Summer Research Program.

Orlando L. Taylor
Howard University

Orlando L. Taylor is currently Vice Provost for Research,
Dean of the Graduate School, and Professor of
Communications at Howard University. He has held
many other positions at Howard, including Dean of its
School of Communication and Interim Vice President for
Academic Affairs. Prior to joining the Howard faculty in
1973, Vice Provost Taylor was a faculty member at Indiana
University. He also has served as a Visiting Professor at
Stanford University, Adjunct Professor at the University
of Pittsburgh and Visiting Scholar at the Carnegie
Foundation for the Advancement of Teaching. Dr. Taylor
is a national leader in graduate education and within his
discipline. He is currently or has served previously as
a member of numerous national boards, including the
Board of Directors of the Council of Graduate Schools
(CGSS), for which he served as Board Chair in 2001. He
is also a Past President of the Northeastern Association
of Graduate Schools and the National Communication
Association. He is a former member of the Advisory
Committee of the Directorate for Education and Human
Resources of the National Science Foundation and of the
Advisory Council at the National Institutes of Health.
He is also the former president of the Consortium of
Social Science Associations and a current member of
the Board of Trustees of the University Corporation for
Atmospheric Research and the Oak Ridge Associated
Universities Board of Directors. He chairs the National
Advisory Board for the Center for the Integration of
Research, Teaching and Learning, a major NSF-funded
center at the University of Wisconsin. Dr. Taylor received
his bachelor’s degree from Hampton University, master’s
degree from Indiana University, and Ph.D. degree from
the University of Michigan.
Susie Valaitis

Institute for Broadening Participation.

Susie Valaitis is Vice President of the Institute for Broadening Participation (IBP). Valaitis has worked for four years with IBP to support students in STEM pathways in increase participation at all levels of STEM education. Her previous experience includes work in land conservation as the Executive Director of a local land trust, and providing community development and support to residents of Maine’s year-round island communities. She holds a BA in English and American Literature from Brown University. She lives in midcoast Maine with her husband and two sons.

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.

Wendy Reed Williams

Children’s Hospital of Philadelphia

Wendy Reed Williams is the Director of Research Education at the Joseph Stokes Jr. Research Institute at the Children’s Hospital of Philadelphia. Under her direction, the Department of Research Education works with faculty, trainees and administrators to determine the educational and training needs of the Hospital’s research community. The group also develops services and programs for postdoctoral trainees. Dr. Williams earned a BS in Zoology from Howard University and received her PhD in Biology from the Johns Hopkins University where she studied gene regulation in E. coli. After completing a postdoctoral fellowship at the United States Department of Agriculture, Dr. Williams began her career at the Children’s Hospital of Philadelphia serving as a postdoctoral fellow in the Division of Oncology. The completion of her fellowship led to an administrative internship in the Office of Research Administration at the Stokes Institute. It was during this internship that Dr. Williams was able to explore career opportunities in Research Administration. Her interest in postdocs and training led her to take a position as a training specialist in Research Education before taking on the role of Director. Dr. Williams was recently elected to the board of directors of the National Postdoctoral Association. In this role, she continues her commitment to enhancing the postdoctoral experience and preparing postdocs for long-term career success.
Landon D. Reid
Colgate University in Hamilton, NY

Landon D. Reid is an Assistant Professor of Psychology at Colgate University in Hamilton, NY. Landon’s research interests focus on 1) the cognitive mechanisms affecting the perception of racism and 2) the relation between an institution’s psychological climate and individual performance. He is an alumnus of Morehouse College where he concentrated in psychology and philosophy. While there, he participated in the Leadership Alliance Summer Research Early Identification Program at Brown University conducting research on stereotyping and social cognition. Dr. Reid received both his Masters and Ph.D. degrees in social psychology from the University of Illinois Urbana-Champaign.

John Wilson
Dillard University

John E. Wilson is the Dean of the Division of the Natural Sciences and Public Health and Professor of Biology at Dillard University, where he serves as the senior administrator for the baccalaureate and research training programs for over 600 undergraduates majoring in biology, chemistry, computer science, mathematics, physics or public health. He has established student placement committees comprised of divisional faculty whose strategic initiatives have proven effective for advising an increasingly large enrollment of student majors. Wilson’s commitment to student post-baccalaureate placement has lead to Dillard establishing dual degree programs and formal collaborations with over 20 graduate and professional schools to include the Leadership Alliance. Dr. Wilson has served as the associate dean in the School of Graduate Studies and Research at Meharry Medical College and assistant professor in the Department of Anatomy and Physiology. He was a Carnegie Fellow in Science Education at Stanford University and the Institute for Research on Learning where his research focused on identifying effective pedagogical practices that could be used in assessing interactive learning environments for pre-college students. Wilson earned a B.S. in Biology from Clark College, a M.S. in Biology from Atlanta University, and a Ph.D. in Cell Biology from Tulane University where he was a recipient of an NIH-Predoctoral Fellowship.

Zarixia Zavala-Ruiz
University of Puerto Rico–Rio Piedras

Zarixia Zavala-Ruiz is an Assistant Professor of Chemistry at the University of Puerto Rico (UPR)-Rio Piedras in the area of biochemistry. She serves as a consultant for a Puerto Rico-based research and development biotechnology startup company. Dr. Zavala-Ruiz received a Bachelor of Science degree in Chemistry from the University of Puerto Rico-Rio Piedras in 1999, a Ph.D. in Biological Chemistry from the Massachusetts Institute of Technology in 2004, and worked as a Postdoctoral Fellow at the University of Massachusetts Medical School before moving back to Puerto Rico in 2005. Dr. Zavala-Ruiz’ research is in the field of molecular immunology. She is not only a scientist but also a mother and wife. Dr. Zavala-Ruiz not only shares a home and son with her husband, they also share a lab and are co-directors of the protein x-ray crystallography core facility at UPR.
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 5½ years at the Providence Warwick Convention & Visitors Bureau helping to promote the state of Rhode Island as well as the city of Providence as a convention destination. Prior to this appointment, 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, Associate Director, received her undergraduate degree from North Carolina State University and her Ph.D. in microbiology from New York University School of Medicine. Her postdoctoral research was conducted in Paris, France at Hopital de la Pitie Salpetriere where she investigated gene therapy technologies for Parkinson's disease. She subsequently joined the Clinton HIV/AIDS Initiative as a Laboratory Systems Specialist where 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.

Elizabeth McCurdy
Program Coordinator

Beth McCurdy joined the Leadership Alliance part-time in June and provides the office with additional expertise and support. Beth is also the Program Coordinator for the Brown University - Tougaloo College Partnership. This partnership began in the early 1960’s and remains a unique collaborative venture that engages the culture, academia and histories of these two distinctive institutions. Prior to joining the Leadership Alliance Beth worked at the US Cochrane Center, Quality Partners of RI and for several other healthcare organizations. Beth received an MPH in Epidemiology and Biostatistics from Boston University in 1988.

Fei Qi
Institutional Research Coordinator

Dr. Qi joined the Leadership Alliance on March 1, 2008 and is responsible for data collection & analysis, student tracking, survey design and related research. He received his undergraduate degree from Xi’an Jiaotong University, China and his Ph.D. in Management Information System from University of Nebraska, Lincoln at 2007. Prior to joining The Leadership Alliance, he was a marketing analyst in China Ocean Shipping Co with a research emphasis on information system implementation.

Valerie Petit Wilson
Executive Director

Dr. Wilson, a graduate of Xavier University of Louisiana (B.S., 1970, chemistry/pre-med), earned her Ph.D. in molecular biology and genetics at Johns Hopkins University in 1976, where she was a Ford Foundation pre-doctoral fellow. After a post-doctoral year in human genetics at Mount Sinai Hospital in New York, she joined the National Institutes of Health, where she conducted research at the National Institute of Arthritis, Diabetes, Digestive and Kidney Diseases and the National Heart, Lung and Blood Institute. Between 1982 and 1993, Dr. Wilson held a series of increasingly responsible positions in program administration and policy analysis at the NIH and Department of Health and Human Services. In 1993, she moved to the National Academy of Sciences’ Institute of Medicine as director of the Division of Health Sciences Policy in 1993. In 1998, Dr. Wilson was appointed clinical associate professor in the Department of Environmental Health Sciences at the School of Public Health and Tropical Medicine and deputy director of the Tulane/Xavier Center for Bioenvironmental Research at Tulane University. In July 2003, Dr. Wilson was appointed as Executive Director of the Leadership Alliance; she also holds an appointment as Clinical Professor of Community Health at Brown University.