THE LEADERSHIP ALLIANCE

SYMPOSIUM 2004

Taking the Next Step

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Westfields Conference Center Facilities

• indicates The Leadership Alliance 2004 meeting rooms
**Symposium Agenda**

**Friday, July 30**

**Leadership Alliance Conference Registration**  
(Lower Rotunda)  
2:00-6:00 pm

**Preparation for PowerPoint Presentations**  
(The Lincoln Forum)  
4:00-6:30 pm

- Marcus Jones, New York University
- Vernorris Kelly, Brown University

**Training Session for Moderators**  
(Jeffersonian VI)  
5:30-6:15 pm

- Earnestine Baker, University of Maryland, Baltimore County
- Laurel Southard, Cornell University

**Buffet Available in Fairfax Room**  
5:00-10:00 pm

**Opening Remarks** (Grand Dominion)  
7:00-7:15 pm

- John Fitzgerald Gates, Symposium Moderator  
  Chief of Staff for President and Provost, University of Vermont
- Valerie P. Wilson, Symposium Host  
  Executive Director, Leadership Alliance

**Keynote Address** (Grand Dominion)  
7:15-7:45 pm

Introduction: Susan R. Ross, Professor, University of Pennsylvania

- Vanessa Northington Gamble  
  Director, Tuskegee University National Center for Bioethics
  “Taking the Professionally Uncharted Path: Reflections of a Scholar-Activist”

**Icebreaker Activities for Undergraduates**  
(Grand Dominion)  
7:45-9:00 pm

**Seminar for Graduate Students: Careers for Phd’s**  
(Jeffersonian VI)  
7:45-9:00 pm

Session Moderator: Louise Hainline, Brooklyn College

Panelists:

- Mark Hernandez, University of Colorado at Boulder
- Joel D. Oppenheim, New York University
- Brian Smedley, Institute of Medicine
- Valerie P. Wilson, Leadership Alliance

**Preparation for PowerPoint Presentations**  
(The Lincoln Forum)  
9:00-10:30 pm

- Marcus Jones, New York University
- Vernorris Kelly, Brown University

*All students making PowerPoint presentations must attend one of these sessions.*
Saturday, July 31

**BREAKFAST AND Q&A SESSION FOR UNDERGRADUATES**  ..................... 7:30-9:30 am
(Grand Dominion)

The Graduate School Application Process
Session Moderator:  John Fitzgerald Gates, University of Vermont

Panelists:
• Liza Cariaga-Lo, Yale University
• David Redman, Princeton University
• Rod Ulane, New York University

**BREAKFAST AND PANEL DISCUSSION FOR GRADUATE STUDENTS**  ........... 8:00-9:15 am
(Madison Room)
Life Beyond Graduate School
Session Moderator:  Jocelyn Spragg, Harvard Medical School

Panelists:
• Orville Jackson, Stanford University
• Checo Rorie, New York University
• Audra Simpson, Cornell University
• Claudina Stevenson, Harvard University

**STUDENT ORAL PRESENTATIONS**  .......................... 9:30-12:15 pm

**BUFFET LUNCH AND PANEL DISCUSSION**  .......................... 12:30-2:15 pm
(Grand Dominion)
The Graduate School Experience
Session Moderator:  John Fitzgerald Gates, University of Vermont

Panelists:
• Danso Ako-Adjei, Cornell University
• Donald Joseph, Columbia University
• Esther Obeng, University of Miami
• Traci Schlesinger, Princeton University
• Vanessa Watts, Harvard University

**BUFFET LUNCH AND PRESENTATION FOR GRADUATE STUDENTS**  ........... 12:30-2:15 pm
(Madison Room)
Seeking a Faculty Position

• Otherine Neisler, St. Joseph College

**STUDENT ORAL PRESENTATIONS**  .......................... 2:30-5:00 pm

**BUFFET AVAILABLE IN FAIRFAX ROOM**  .......................... 5:00-10:00 pm
Dinner and Workshop for Graduate Students ..........................6:00-7:30 pm  
(Westscot Room)  
Negotiation Skills
• Robert Thomas, University of Florida

Meeting of LA Coordinators ...............................6:00-7:30 pm  
(Adams Room)

Evening Activities ........................................8:30-11:00 pm  
Dance (Jeffersonian Ballroom)  
Game Room (Hamilton)

Sunday, August 1

Set Up Posters ...........................................7:30 am  
(Jeffersonian)

Breakfast ...................................................7:30-9:15 am  
(Grand Dominion)

Topic Tables ..................................................8:00-9:15 am  
(Grand Dominion)

Student Poster Sessions ..................................9:30-11:00 am  
(Jeffersonian)

Recruiting Fair .............................................11:00-12:30 pm  
(Washingtonian)

Lunch and Closing Keynote Address ......................12:30 pm  
(Grand Dominion)  
Introduction: John Fitzgerald Gates, University of Vermont
• Glake Hill, Jr.  
  Distinguished Leadership Alliance Alumnus  
  “Directing Our Future”

Concluding Remarks
Valerie P. Wilson, Leadership Alliance .....................1:45 pm

Symposium Ends .............................................2:00 pm
Student Oral Presentations

BY ROOM

Adams

Akua Owusu-Sarfo, Brown University 9:30 – 10:30
Kathia Cordero Effect of prior stress on LPS-induced glial activation 9:30 AM
Taiise Bingham Purinergic Modulation of Dermal Collagen Production 9:45 AM
Alisara Bulltail Developing a Grade-Appropriate Cervical Health Curriculum for Students of the Apsaalooke Nation 10:00 AM
Jennifer Maddox After school program participation and educational success in elementary school 10:15 AM
Courtnea Rainey Cerebro-Cerebellar Activations During Internal vs. External Articulation: An fMRI Study 10:30 AM

Mariela Cantera, New York University 10:45 – 11:45
Carly Summers Investigating KChIP1 and PI4K-beta interaction with Kv4.2 Channels 10:45 AM
Donato Rivas Functional Studies of the Gene ftftf-1, a Putative Regulator of Lifespan in the Parasitic Nematode Strongyloides stercoralis 11:00 AM
Robert Gupta Identification of Cells Producing IL-6 in response to dbcAMP elevation 11:15 AM
Juan Rodriguez Mutational analysis of L/F-transferase activity: evaluation of catalytic role of cystein residues. 11:30 AM
Amaru Sanchez Quantitative analysis of cardiac motion using magnetic resonance imaging 11:45 AM

Christopher Murriel, Stanford University 2:30 – 3:30
Reba Wissner Music as Myth and Morality: A Study of the Serenata in Baroque Italy 2:30 PM
Luis Salas Egbert van der Poel and the Explosion of the Gunpowder Magazine in Delft of 1654: Images of Disaster in 17th Century Dutch Cityscape Painting 2:45 PM
Tristan Arrington Identification and Characterization of Pasteurella Isolates from Domestic and Bighorn Sheep Using the BIOLOG Bacterial Identification System 3:00 PM
Regina Ragasa Deletion of NCB5OR Gene Causes Diabetes in Mice 3:15 PM
Jean Johnson Do Alternative Phenotypes in a Bird Differ in Exploratory Behavior? 3:30 PM

Vanessa Watts, Harvard University 3:45 – 4:30
Andro Rios MODIS Observations of Desert Dust, Forest Fire Smoke and Anthropogenic Aerosols 3:45 PM
Michael Bustamante Nationalist Modernism and El Grupo Minorista: Reconceptualizing the Foreign-Local Encounter in Republican Cuba 4:00 PM
Ashley Farmer Algerian Women In Their Own Words 4:15 PM
Noni Bourne A Man of his Word: Langston Hughes and the Duties of the Artist 4:30 PM

Hamilton

Danso Ako-Adjei, Cornell University 9:30 – 10:30
Seth Miller Protein Expression and CD4/CD8 T Cell Immune Response to Dendritic Cells Transfected with in vitro Transcription (iVT)-RNA Encoded Melanoma Associated Antigens 9:30 AM
Jeremy Daigle Phenotype Expressed of Overexpressed sufu on Fruit Flies 9:45 AM
Khena Bullshields Suppression of Hippocampal CaM Kinase Using rAAV Delivered siRNA: An Immunocytochemical Study 10:00 AM
Keycharianne Navarro Odor Induced Neural Plasticity in the Nose 10:15 AM
Ihunanya Mbata Generation of Cortical Interneuron Subtypes from Distinct Subregions of the Basal Telencephalon 10:30 AM
**Juan Coronado, Hunter College**  
10:45 – 11:45

- Jean Lin: The role of Haptoglobin-related protein in chimpanzees  
  10:45 AM
- Sarah Ann Anderson: Identification of the role of NF-kB in the absence of PECAM-1  
  11:00 AM
- Bethany Mingle: Generation of regulatory CD4+CD25+ T cells by gene transfer  
  11:15 AM
- Jannelly Restituyo: Screen for Genes Interacting with BMP Pathway in Zebrafish  
  11:30 AM
- Enrique Gonzalez: Vocal development in juveniles of the African clawed frog *Xenopus laevis*  
  11:45 AM

**Aliya Hines, Johns Hopkins University**  
2:30 – 3:30

- Jaime Betancourt: Correlations of Serum Ghrelin and Leptin levels and Age Related Changes among Ache Amerindian Females.  
  2:30 PM
- Justice Walker: Antiproliferative effects of atrial and brain natriuretic peptide in mouse pulmonary artery smooth muscle cells  
  2:45 PM
- Shanna Rone: Using Gene Therapy’s Lentiviral Approach to Enhance the Efficacy of the Platelet Delivery System  
  3:00 PM
- Diana Nguyen: Multivariate Minimization Methods in Biochemistry: Applications to Nucleic Acids and Enzyme-Nucleic Structure  
  3:15 PM
- Mayda Torres: Tracking Molecular Mechanisms Through Fluorescence  
  3:30 PM

**Esther Obeng, Miami University**  
3:45 – 4:30

- Randy Miles: Regulatory T cell Inhibition Increases Immunity against Tumors  
  3:45 PM
- Chad McCormick: Evolutionarily Conserved Ribosome Binding During Protein Translocation  
  4:00 PM
- Julia Kolmakova: Investigation of potential functional roles of CD8 Beta in MHC class I-CD8 interaction  
  4:15 PM
- David Winternheimer: Polymerase Eta in Genomic Maintenance  
  4:30 PM

**Jefferson I**

**Terrence Johnson, Brown University**  
9:30 – 10:30

- Mabel Fu: The Issue of Same-Sex Marriage in a Secular Society  
  9:30 AM
- Zara Ohiorhenuan: Sex, Gender, and Power: A Comparative Study of HIV/AIDS in Uganda and South Africa  
  9:45 AM
- Moses Feaster: Role of Tbx6 in the migration of tail bud cells of somite stage mouse embryos  
  10:00 AM
- Andres Abreu: Plasmodium falciparum Recombinant Protein Expression  
  10:15 AM
- Nadia Cohen: Signalling Pathways in Interferon-mediated Response to Virus Infection  
  10:30 AM

**Edgardo Sanabria-Valentín, New York University**  
10:45 – 11:45

- Troy Seelhammer: Single Cell Analysis of Calcium Mobilization in Polymorphonuclear Leukocytes  
  10:45 AM
- Shyron Alston: Effects of Sensory Deprivation on Brain Synaptic Plasticity  
  11:00 AM
- Daniel Glimpse-Medina: Effects of Reactive Oxygen Species on Telomere Dysfunction  
  11:15 AM
- Jill Taylor: Neuropeptide Mediated Effects on Sterol Receptors and Cofactors in Prostate Cancer  
  11:30 AM
- Danielle Kalman: The Effects of HUIV26 on Melanoma Cancer Cells  
  11:45 AM

**Melissa Sanchez, University of Pennsylvania**  
2:30 – 3:30

- Kathryn Harper: Sonic Hedgehog Responding Cells are Neural Stem Cells  
  2:30 PM
- Naa Ampomah: Characterization of a C. elegans mutant with a Ras-like lethal phenotype  
  2:45 PM
- Lindsey Carter: Characterization of a Heart Chamber Morphogenesis Mutant in Zebrafish  
  3:00 PM
- Andrew Hao: Sexuality, Identity, and Knowledge: Politics and Theory in Contested Domains  
  3:15 PM
- Nnenna Okeke: Masculinity and Black Lesbian Identity  
  3:30 PM
<table>
<thead>
<tr>
<th>Time</th>
<th>Group</th>
<th>Speaker</th>
<th>Title</th>
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<tbody>
<tr>
<td>3:45 – 4:30</td>
<td>Adelina Holguin, University of Colorado</td>
<td>Pratima Kunwar</td>
<td>Capsular polysaccharides inhibit complement mediated killing of serum resistant killing of Campylobacter jejuni</td>
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<td>Teshell Greene</td>
<td>Inhibition Of COX-2 Mediated DNA Adducts</td>
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<td>Elizabeth Zwareva</td>
<td>Implications of Trust and Betrayal in Clinical Practice</td>
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<td>Nicole Ramsey</td>
<td>Effect of PINK1 on cell survival in an in vitro model of Parkinson’s Disease</td>
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<td>9:30 – 10:30</td>
<td>Jefferson II</td>
<td>Kelly Molloy</td>
<td>Conformational Changes of Glycerol-3-phosphate Transporter Mutants from E. coli</td>
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<td>Arter Biggs</td>
<td>Genes Induced by Associative and Non-associative Learning</td>
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<td>Michael Williams</td>
<td>Modeling of 3-Dimensional Environments Using Photogrammetry to Minimize Global Positioning System Multipath Error</td>
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<td>Landon Haywood</td>
<td>Metamorphic Buffer Layer Engineering for High Speed/Low-Power Electronics</td>
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<td>Tanikka Toler</td>
<td>Detection of Antibiotic Resistant Bacteria in an Urban Stream</td>
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<td>10:45 – 11:45</td>
<td>Justus Ortega, University of Colorado</td>
<td>Diana Ackah</td>
<td>Expression of a mutated Xgsk-3 and its effect on early embryogenesis</td>
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<td>Hans Rutzen</td>
<td>Investigating the interaction between nucleolin and MDM2, a known p53 regulator protein</td>
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<td>Kathleen Crucet</td>
<td>The Characterization of E-cadherin Expression in the laur Zebrafish Mutant</td>
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<td>Danielle Haney</td>
<td>GCF2 and Inflammation: The Love/Hate Relationship</td>
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<td>Emily Olson</td>
<td>Understanding the Role of Wnt1 in Mouse Cerebellar and Midbrain Development</td>
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<td>2:30 – 3:30</td>
<td>Aisha Finch, New York University</td>
<td>Harriet Huell</td>
<td>Racial Identification in Narrative Advertisements</td>
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<td>Peter Brogan</td>
<td>Public Space and Democracy in El Salvador</td>
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<td>Thien-Huong Ninh</td>
<td>From Assimilation to Ethnicization: A Case Study of Young Vietnamese American Leaders</td>
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<td>Kai Carter</td>
<td>Community-Based Ecotourism in South America</td>
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<td>Laura Motta-Mena</td>
<td>Analyzing the region of interaction between heterologous prions</td>
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<td>3:45 – 4:30</td>
<td>Paulette Young, Columbia University</td>
<td>Danika Perry</td>
<td>Does YY1 interact with dCTBP?</td>
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<td>Nicholas Jones</td>
<td>Catalina Munoz &amp; the Spanish Inquisition: Her Visions and Signs</td>
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<td>Dorothea Lawrence</td>
<td>Stigma and HIV Risk in Women with Severe Mental Illness</td>
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<td>LaKeisha Summers</td>
<td>Analysis of L1 Retrotransposon Integration</td>
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<td>Neda Sedora</td>
<td>Number Processing and Mental Calculations in Native and Second Languages</td>
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<td>Nel Venzon Jr.</td>
<td>Synthesis of HIV-1 Tat protein transduction-CEACAM1 cytodomain fusion proteins</td>
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<td>Jay Vachhani</td>
<td>Are all foam cells atherosclerotic macrophages?</td>
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</table>
Traci Schlesinger, Princeton University 10:45 – 11:45

Stephenie Brown American Secularism 10:45 AM
Manuel Rodriguez Offshoring: Adapting to Change 11:00 AM
Imani Owens Any Woman’s Blues: The Blues Tradition in Gayl Jones’ Corregidora 11:15 AM
Adae Amoako A bioinformatics approach to test serum biomarkers for the diagnosis of ectopic pregnancies 11:30 AM
Annie Arguello Effect of the FGFR2 (Y375C) Mutation on Osteoblasts: Implications for Bone Development and Beare-Stevenson Syndrome 11:45 AM

Rachelle Salomon, Brown University 2:30 – 3:30

Kendra Simpson Cytotoxicity and Cell Cycle Changes of Noscapine-Treated U118MG Glioma Cells 2:30 PM
NaShaine Dees Interactions between GBV-C and HIV 2:45 PM
Agyenim Amoako Promoter methylation of hMLH1-gene and Prognosis of Epithelial Ovarian Cancer 3:00 PM
Kevin Arnold Jamming Gaydar 3:15 PM
Melody Russell The Black Church and HIV/AIDS Education 3:30 PM

Margot Brown, Tulane University 3:45 – 4:30

Joshua Allen-Dicker Proteolytic Processing of HIV-1 Envelope Glycoprotein 3:45 PM
Mark Mentrikoski Endogenous Cysteines of the Bacterial Oxalate Transporter, OxIT 4:00 PM
Cynthia Davies-Venn Examining the role of the Parkinson’s gene dj1-B in oxidative stress in Drosophila 4:15 PM
Oscar Garcia Purification and biochemical studies of RNase E from thermophilic Bacteria 4:30 PM

Jefferson IV
Geanncarlo Lugo, Harvard University 9:30 – 10:30

Marie-Teresa Colbert Molecular Mechanisms of Phase Variation in Helicobacter pylori 9:30 AM
Katherine Kane The Use of Viral Vectors for Brain Imaging 9:45 AM
Rodney Theodore BlyS and its effects on B cell survival 10:00 AM
Jala Daniel Reconstructing the genomic context of a disease resistance gene, Rpg1b, in soybean (Glycine Max). 10:15 AM
Sergio Glait Modification of Nuclear Receptor Co-regulator (NRC) by SUMO-like co-factors 10:30 AM

Leilah McNabb, University of Pennsylvania 10:45 – 11:45

Alexis Wheeler Vanishing Populations and Advancing Bush: The Environmental Impact of the Slave Trade on Sub-Saharan Africa 10:45 AM
Kauyumari Sanchez Can corrective feedback remediate false memory in the DRM paradigm? 11:00 AM
Naureen Farid ROR Gamma T Ortholog expression in Humans and Zebrafish 11:15 AM
Ryenn West DNA Damage Sensitivity Of Yeast With Long And Bent Telomeres 11:30 AM
Deree Vance Identifying Barriers and Facilitators of Physical Activity for Black Women Enrolled in a Weight Management Program 11:45 AM

Melvinia Martin, Tulane University 2:30 – 3:30

Keisha Matthews Black Slave Ownership: In South Carolina, 1790-1860 2:30 PM
Kari Baker The Eomesodermin promoter and its regulation in early Xenopus embryos 2:45 PM
Ashley Fields Pigment Epithelial Derived Factor (PEDF) inhibits normal endometrial epithelial cell growth 3:00 PM
Nicole Lee Quantitative Measurement of Gene Expression in the species Rattus norvegicus using Real Time -PCR 3:15 PM
Susan Williams Effects of novel and predicted food rewards on cell-signaling in the striatum of food-restricted rats 3:30 PM
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<th>Time</th>
<th>Session</th>
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| 3:45 – 4:30       | James Beaty, Yale University    | John Stevenson: Complaints and Grievances: How the US Identifies and Resolves Trade Disputes (3:45 PM)  
|                   |                                 | Chloe Dugger: Teacher Variables as Predictors of Instructional Practice Among African-American Teachers in Predominantly African-American Urban Elementary Schools: A Proposal (4:00 PM)  
|                   |                                 | Paloma Vargas: Interactions Between HSF and SSL1, A Subunit of TFIIH (4:15 PM)  
|                   |                                 | David Wirth: Analysis of polysome profiles of cap-dependent mRNA during the eukaryotic cell cycle (4:30 PM)  
| 9:30 – 10:30      | Jefferson V, Cornell University | Astrid Butts: Recombinant Protein Expression for the Generation of Monoclonal Antibodies (9:30 AM)  
|                   |                                 | Leyda Diaz-Correa: Visualization of the Hand Kinematics During Grasping Tasks (9:45 AM)  
|                   |                                 | Nikki Faison-Miller: Addressing the Problem of Low Student Achievement (10:00 AM)  
|                   |                                 | Rachel McBride: Saintly Souls and Strong Bodies: Muscular Christianity and Sexual Conversations in Nineteenth Century America (10:15 AM)  
|                   |                                 | Marisol De Jesus-Perez: Learning two labels for the same novel object in two different languages: The Role of Mutual Exclusivity, Social Cues and Metalinguistic Knowledge in 18-month-old infants’ word learning (10:30 AM)  
| 10:45 – 11:45     | Danielle Drayton, Yale University | Samantha Allen: Policy Change in a Community-Based Participatory Research Program on the Apsaalooke Reservation (10:45 AM)  
|                   |                                 | Monica Tincopa: Clinical Diagnostic Genetic Testing for Long QT Syndrome in Sudden Death Cases (11:00 AM)  
|                   |                                 | Carla Roig Silva: Are rocks slippery during earthquakes? (11:15 AM)  
|                   |                                 | Christine Rauscher: The Identification of cellular proteins that interact with the N-terminal of LANA (11:30 AM)  
|                   |                                 | Charla Taylor: Beta Catenin in Mammary Development and Hormone Independent Tumors (11:45 AM)  
|                   |                                 | Jennifer Medeiros: Production of DNA Profiles from Fingerprints Treated with Magnetic Powder (2:45 PM)  
|                   |                                 | Johnathan Lindsey: Constructing a Wireless Data Link for a 3-D Mouse (3:00 PM)  
|                   |                                 | Olufunso Akinsola: Silicon carbide gain enhanced operational amplifiers (3:15 PM)  
|                   |                                 | Jennifer Stall: Ganglioside Clustering Mediates Signal Transduction in Cerebellar Granular Cells (3:30 PM)  
| 3:45 – 4:30       | Aaron Goldberg, Weill Medical College of Cornell University | Jeffrey Bovian: Examination of the role of MEKK2/MEKK3 phosphorylation in ALX function (3:45 PM)  
|                   |                                 | Antoine Clinton: Loss of Engrailed-1 expression in the ventral ectoderm of the developing limb causing "dorsalization" of ventral limb characterization (4:00 PM)  
|                   |                                 | Unwanaobong Nseyo: The purification of neurotrophins through the use of Baculovirus plasmid transfection of Sf9 insect cells (4:15 PM)  
|                   |                                 | Dorian Culmer: The Effects of Atherosclerosis (4:30 PM)  

**Note:** All presentations were held at the Student Oral Presentations by Room event.
### Jefferson VI

**Rayna Jhaveri, Cornell University**  
9:30 – 10:30

- **Devin Murphy**  
  The Ethics of Air Quotes: Agency, Culpability, and the Postmodern Question  
  9:30 AM

- **Stephanie Hernandez**  
  The Relationship Between Academic Achievement and Depression Among Urban Ethnic Minority Youth  
  9:45 AM

- **Melissa Cabinian**  
  The Antimalarial Effects of Cysteine Protease Inhibitors in Preventing Plasmodium Sporozoite Invasion of Hepatocytes  
  10:00 AM

- **Todd Seelhammer**  
  Role of Uric Acid DNA Glycosylase in KSHV Viral DNA Replication  
  10:15 AM

- **Catrissa Lightfoot**  
  Visualizing Intracellular Sites of Viral Replication by Fluorescence Microscopy  
  10:30 AM

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**Diedra Wrighting, Harvard University**  
10:45 – 11:45

- **Scott Harada**  
  Examining the Role of the JAK/STAT Pathway in Eye Imaginal Disc Growth  
  10:45 AM

- **Latarsha Reid**  
  The Effects Of PCNA On DNA Replication And Repair  
  11:00 AM

- **George Shelton Jr.**  
  Determination of Host Protein Incorporation in CD4-Positive T Cell-Derived HIV Particles  
  11:15 AM

- **Todd Regnier**  
  Notochord-Specific Enhancers in Ciona intestinalis: A Bioinformatic Approach  
  11:30 AM

- **Leigh-Ann Cruz**  
  Characterization of DNA Repair-Deficient Mice  
  11:45 AM

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**Kirk Campbell, New York University**  
2:30 – 3:30

- **Cassi Pittman**  
  Race, Place and Space: A Comparative Assessment of Instances of Residential Integration in South Africa and the United States  
  2:30 PM

- **Lee Clarke**  
  Comparing the Human and Chimp Genomes  
  2:45 PM

- **Patrice Cook**  
  Analysis of Human Slu7 and Prp18 Splicing Factors  
  3:00 PM

- **Carly Gomes**  
  Membrane Trafficking of Endothelin-1 Receptors in Cultured Sensory Neurons  
  3:15 PM

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**Joeli Marrero, Tufts University**  
3:30 – 4:15

- **Renee Carrington**  
  Towards Crystallization of The Phage 186 Protein Bound to DNA  
  3:30 PM

- **Joliette Barnum**  
  Potential Role of Latent JC Virus Infection in the Pathogenesis of Primary Malignant CNS Neoplasms  
  3:45 PM

- **Peniel Dimberu**  
  Chromosomal Rearrangements and the Search for Cardiac Candidate Genes  
  4:00 PM

- **Tania Nevers**  
  Ribonuclease H Expression and Localization Studies in the Parasitic Protozoan, Trypanosoma brucei  
  4:15 PM
Student Oral Presentations

BY NAME

Andres Abreu 10:15 AM
Jefferson I
Presentation Title Plasmodium falciparum Recombinant Protein Expression
Research Mentor Dr. Thomas Templeton
Research Institution Weill Cornell/Rockefeller/Sloan-Kettering
Home Institution University of Wisconsin Madison
Co-authors Gabriele Pradel, Weill Medical College of Cornell University, Thomas Templeton, Weill Medical College of Cornell University

Joshua Allen-Dicker 3:45 PM
Jefferson III
Presentation Title Proteolytic Processing of HIV-1 Envelope Glycoprotein
Research Mentor Dr. Catarina Hioe
Research Institution New York University Sackler
Home Institution Duke University
Co-authors Joshua Allen-Dicker, Duke University, Michael Tuen, New York University School of Medicine, Catarina Hioe, New York University School of Medicine

Diana Ackah 10:45 AM
Jefferson II
Presentation Title Expression of a mutated Xgsk-3 and its effect on early embryogenesis
Research Mentor Dr. Peter S. Klein
Research Institution University of Pennsylvania
Home Institution Delaware State University
Co-authors Peter S. Klein, University of Pennsylvania

Shyron Alston 11:00 AM
Jefferson I
Presentation Title Effects of Sensory Deprivation on Brain Synaptic Plasticity
Research Mentor Dr. Russell T. Matthews
Research Institution Yale University
Home Institution Rutgers University
Co-authors Russell T. Matthews, Yale University

Olufunso Akinsola 3:15 PM
Jefferson V
Presentation Title Silicon carbide gain enhanced operational amplifiers
Research Mentor Dr. Garry Harris
Research Institution Howard University
Home Institution Morgan State University
Co-authors Garry Harris, Howard University

Adele Amoako 11:30 AM
Jefferson III
Presentation Title A bioinformatics approach to test serum biomarkers for the diagnosis of ectopic pregnancies
Research Mentor Dr. George Gerton
Research Institution University of Pennsylvania
Home Institution Delaware State University
Co-authors Xue-Jun Fan, University of Pennsylvania, Kurt T. Barnhart, University of Pennsylvania, George Gerton, University of Pennsylvania

Samantha Allen 10:45 AM
Jefferson V
Presentation Title Policy Change in a Community-Based Participatory Research Program on the Apsaalooke Reservation
Research Mentor Dr. Suzanne Christopher
Research Institution Montana State University -Bozeman
Home Institution Montana State University - Bozeman
Co-authors Leanna Little Wolf, Little Big Horn College, Suzanne Christopher, Montana State University -Bozeman

Agyenim Amoako 3:00 PM
Jefferson III
Presentation Title Promoter methylation of hMLH1-gene and Prognosis of Epithelial Ovarian Cancer
Research Mentor Dr. Herbert Yu
Research Institution Yale University
Home Institution Delaware State University
Co-authors Andrew Wiley, Yale University; Herbert Yu, Yale University
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<th>Presenting Student</th>
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<th>Location</th>
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<th>Research Mentor</th>
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<th>Co-authors</th>
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<td>Naa Amponsah</td>
<td>2:45 PM</td>
<td>Jefferson I</td>
<td>Characterization of a C. elegans mutant with a Ras-like lethal phenotype</td>
<td>Dr. Meera Sundaram</td>
<td>University of Pennsylvania</td>
<td>Mount Holyoke College</td>
<td>Craig Stone, University of Pennsylvania; Dr. Meera Sundaram, University of Pennsylvania</td>
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<td>Sarah Ann Anderson</td>
<td>11:00 AM</td>
<td>Hamilton</td>
<td>Identification of the role of NF-kB in the absence of PECAM-1</td>
<td>Dr. Purba Biswas</td>
<td>Brown University</td>
<td>Xavier University of Louisiana</td>
<td>Purba Biswas, Rhode Island Hospital</td>
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<td>Annie Arguello</td>
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<td>Jefferson III</td>
<td>Effect of the FGFR2 (Y375C) Mutation on Osteoblasts: Implications for Bone Development and Beare-Stevenson Syndrome</td>
<td>Dr. Alka Mansukhani</td>
<td>New York University Sackler</td>
<td>Saint Mary's University</td>
<td>Claudio Basilico, New York University School of Medicine; Alka Mansukhani, New York University School of Medicine</td>
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<td>Kevin Arnold</td>
<td>3:15 PM</td>
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<td>Jamming Gaydar</td>
<td>Dr. Mark Hansen</td>
<td>Princeton University</td>
<td>Dartmouth College</td>
<td>Mark Hansen, Princeton University</td>
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<td>Tristan Arrington</td>
<td>3:00 PM</td>
<td>Adams</td>
<td>Identification and Characterization of Pasteurella Isolates from Domestic and Bighorn Sheep Using the BIOLOG Bacterial Identification System</td>
<td>Dr. Marc E. Mattix</td>
<td>Montana State University - Bozeman</td>
<td>Montana State University - Bozeman</td>
<td>Marc E. Mattix, Montana State University - Bozeman</td>
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<td>Kari Baker</td>
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<td>Jefferson IV</td>
<td>The Eomesodermin promoter and its regulation in early Xenopus embryos</td>
<td>Dr. Kenneth Ryan</td>
<td>University of Pennsylvania</td>
<td>Ursinus College</td>
<td>Kenneth Ryan, University of Pennsylvania</td>
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<td>Joliette Barnum</td>
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<td>Jefferson VI</td>
<td>Potential Role of Latent JC Virus Infection in the Pathogenesis of Primary Malignant CNS Neoplasms</td>
<td>Suzanne De La Monte</td>
<td>Brown University</td>
<td>Xavier University of Louisiana</td>
<td>Peter Manley, Rhode Island Hospital, Brown Medical School; Jack R. Wands, Rhode Island Hospital, Brown Medical School; Suzanne De La Monte, Rhode Island Hospital, Brown Medical School</td>
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<td>Jaime Betancourt</td>
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<td>Hamilton</td>
<td>Correlations of Serum Ghrelin and Leptin levels and Age Related Changes among Ache Amerindian Females.</td>
<td>Dr. Richard G. Bribiescas</td>
<td>Yale University</td>
<td>Rutgers University</td>
<td>Richard G. Bribiescas, Yale University</td>
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<td>Arter Biggs</td>
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<td>Jefferson II</td>
<td>Genes Induced by Associative and Non-associative Learning</td>
<td>Dr. Ted Abel</td>
<td>University of Pennsylvania</td>
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<td>Ted Abel, University of Pennsylvania</td>
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<td>Taiese Bingham</td>
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<td>Purinergic Modulation of Dermal Collagen Production</td>
<td>Dr. Bruce Cronstein</td>
<td>New York University Sackler</td>
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<td>Patricia Fernandez-Ferri, New York University School of Medicine; Edwin Chan, New York University School of Medicine; Bruce Cronstein, New York University School of Medicine</td>
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<td>Noni Bourne</td>
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<td>A Man of his Word: Langston Hughes and the Duties of the Artist</td>
<td>Dr. Quandra Prettyman</td>
<td>Columbia University</td>
<td>Spelman College</td>
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<td>Examination of the role of MEKK2/MEKK3 phosphorylation in ALX function</td>
<td>Dr. Virginia Shapiro</td>
<td>University of Pennsylvania</td>
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<td>Peter Brogan</td>
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<td>Public Space and Democracy in El Salvador</td>
<td>Dr. Nancy Bermeo</td>
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<td>Queens College</td>
<td>Nancy Bermeo, Princeton University</td>
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<td>Stephenie Brown</td>
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<td>American Secularism</td>
<td>Dr. John Borneman</td>
<td>Princeton University</td>
<td>Hunter College</td>
<td>John Borneman, Princeton University</td>
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<td>Khena Bullshields</td>
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<td>Hamilton</td>
<td>Suppression of Hippocampal CaM Kinase Using rAAV Delivered siRNA: An Immunocytochemical Study</td>
<td>Dr. Mike Babcock</td>
<td>Montana State University - Bozeman</td>
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<td>D. Standing, Montana State, University - Bozeman; Dr. C.M. Paden, Montana State University - Bozeman; D. Poulsen, University of Montana; Mike Babcock, Montana State University - Bozeman</td>
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<td>Alisara Bulltail</td>
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<td>Adams</td>
<td>Developing a Grade-Appropriate Cervical Health Curriculum for Students of the Apsaalooke Nation</td>
<td>Dr. Suzanne Christopher</td>
<td>Montana State University - Bozeman</td>
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<td>Jessica Small, Montana State University; Alma McCormick, Messengers for Health; Adina Smith, Montana State University - Bozeman; Suzanne Christopher, Montana State University - Bozeman</td>
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Michael Bustamante 4:00 PM
Adams
Presentation Title Nationalist Modernism and El Grupo Minorista: Reconceptualizing the Foreign-Local Encounter in Republican Cuba
Research Mentor Dr. Gilbert Joseph
Research Institution Yale University
Home Institution Yale University
Co-authors Gilbert Joseph, Yale University

Kai Carter 3:15 PM
Jefferson II
Presentation Title Community-Based Ecotourism in South America
Research Mentor Dr. Suki Hoagland
Research Institution Stanford University
Home Institution Brown University
Co-authors Suki Hoagland, Stanford University

Astrid Butts 9:30 AM
Jefferson V
Presentation Title Recombinant Protein Expression for the Generation of Monoclonal Antibodies
Research Mentor Dr. Mark Greene
Research Institution University of Pennsylvania
Home Institution Xavier University of Louisiana
Co-authors Mark Greene
University of Pennsylvania

Lindsey Carter 3:00 PM
Jefferson I
Presentation Title Characterization of a Heart Chamber Morphogenesis Mutant in Zebrafish
Research Mentor Dr. Deborah Yelon
Research Institution New York University Sackler
Home Institution Florida A&M University
Co-authors Thomas Schell, Skirball Institute, New York University; Deborah Yelon, Skirball Institute, New York University

Lee Clarke 2:45 PM
Jefferson VI
Presentation Title Comparing the Human and Chimp Genomes
Research Mentor Dr. Carlos Bustamante
Research Institution Cornell University
Home Institution Cornell University
Co-authors Carlos Bustamante, Cornell University

Antoine Clinton 4:00 PM
Jefferson V
Presentation Title Loss of Engrailed-1 expression in the ventral ectoderm of the developing limb causing "dorsalization" of ventral limb characterization
Research Mentor Dr. Cindy Loomis
Research Institution New York University Sackler
Home Institution Xavier University of Louisiana
Co-authors David Pechar, New York University School of Medicine; Cindy Loomis, New York University School of Medicine

Melissa Cabinian 10:00 AM
Jefferson VI
Presentation Title The Antimalarial Effects of Cysteine Protease Inhibitors in Preventing Plasmodium Sporozoite Invasion of Hepatocytes
Research Mentor Dr. Photini Sinnis
Research Institution New York University Sackler
Home Institution University of Georgia
Co-authors Alida Coppi, New York University School of Medicine; Lucy Lioni, New York University School of Medicine; Photini Sinnis, New York University School of Medicine

Renee Carrington 3:30 PM
Jefferson VI
Presentation Title Towards Crystallization of The Phage 186 Protein Bound to DNA
Research Mentor Dr. Mitchell Lewis
Research Institution University of Pennsylvania
Home Institution Pace University at New York City
Co-authors Mitchell Lewis, University of Pennsylvania
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<td>Nadia Cohen</td>
<td>10:30 AM</td>
<td>I</td>
<td>Signalling Pathways in Interferon-mediated Response to Virus Infection</td>
<td>Dr. David Levy</td>
<td>New York University Sackler</td>
<td>Imperial College London</td>
<td>Isalbelle Marié, New York University School of Medicine; David Levy, New York University School of Medicine</td>
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<td>Kathleen Crucet</td>
<td>11:15 AM</td>
<td>II</td>
<td>The Characterization of E-cadherin Expression in the laure Zebrafish Mutant</td>
<td>Dr. Kathleen Whitlock</td>
<td>Cornell University</td>
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<td>Kathleen Whitlock, Cornell University</td>
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<td>Marie-Teresa Colbert</td>
<td>9:30 AM</td>
<td>IV</td>
<td>Molecular Mechanisms of Phase Variation in Helicobacter pylori</td>
<td>Dr. Martin Blaser</td>
<td>New York University Sackler</td>
<td>Xavier University of Louisiana</td>
<td>Edgardo Sanabria-Valentin, New York University School of Medicine; Martin Blaser, New York University School of Medicine</td>
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<td>Patrice Cook</td>
<td>3:00 PM</td>
<td>VI</td>
<td>Analysis of Human Slu7 and Prp18 Splicing Factors</td>
<td>Dr. Beate Schwer</td>
<td>Weill Cornell/Rockefeller/Sloan-Kettering</td>
<td>University of Maryland, Eastern Shore</td>
<td>Beate Schwer, Weill Medical College of Cornell University</td>
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<td>Dorian Culmer</td>
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<td>V</td>
<td>The Effects of Atherosclerosis</td>
<td>Dr. Bruce Sachais</td>
<td>New York University Sackler</td>
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<td>Tiffaney Turrentine, University of Pennsylvania: Bruce Sachais, University of Pennsylvania</td>
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<td>Kathia Cordero</td>
<td>9:30 AM</td>
<td>Adams</td>
<td>Effect of prior stress on LPS-induced glial activation</td>
<td>Dr. Steven Maier</td>
<td>University of Colorado at Boulder</td>
<td>UPR-Mayaguez</td>
<td>Michael Baratta, University of Colorado at Boulder; Steven Maier, University of Colorado at Boulder</td>
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<td>Jeremy Daigle</td>
<td>9:45 AM</td>
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<td>Phenotype Expressed of Overexpressed sufu on Fruit Flies</td>
<td>Dr. Allen Bale</td>
<td>Yale University</td>
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<td>Allen Bale, Yale University</td>
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Jala Daniel  10:15 AM  Jefferson IV
Presentation Title  Reconstructing the genomic context of a disease resistance gene, Rpg1b, in soybean (Glycine Max).
Research Mentor  Dr. Jeff J. Doyle
Research Institution  Cornell University
Home Institution  College of Wooster
Co-authors  Jala Daniel, The College of Wooster; Bernard Pfeil, Cornell University; Jeff J. Doyle, Cornell University

Leyda Diaz-Correa  9:45 AM  Jefferson V
Presentation Title  Visualization of the Hand Kinematics During Grasping Tasks
Research Mentor  Dr. Esther Gardner
Research Institution  New York University Sackler
Home Institution  UPR-Rio Piedras
Co-authors  Esther Gardner, New York University School of Medicine

Cynthia Davies-Venn  4:15 PM  Jefferson III
Presentation Title  Examining the role of the Parkinson’s gene dj1-B in oxidative stress in Drosophila
Research Mentor  Dr. Nancy Bonini
Research Institution  University of Pennsylvania
Home Institution  University of Maryland, Baltimore County
Co-authors  Cecilia Gold, University of Pennsylvania; Nancy Bonini, University of Pennsylvania

Peniel Dimberu  4:00 PM  Jefferson VI
Presentation Title  Chromosomal Rearrangements and the Search for Cardiac Candidate Genes
Research Mentor  Dr. Beverly Emanuel
Research Institution  University of Pennsylvania
Home Institution  Evangel University
Co-authors  Anthony L. Gotter, University of Pennsylvania; Manjunath Nimmakayalu, University of Pennsylvania; Beverly Emanuel, University of Pennsylvania

Marisol De Jesus-Perez  10:30 AM  Jefferson V
Presentation Title  Learning two labels for the same novel object in two different languages: The Role of Mutual Exclusivity, Social Cues and Metalinguistic Knowledge in 18-month-old infants’ word learning
Research Mentor  Dr. Marianela Casasola
Research Institution  Cornell University
Home Institution  UPR-Rio Piedras
Co-authors  Marianela Casasola, Cornell University

Chloe Dugger  4:00 PM  Jefferson IV
Presentation Title  Teacher Variables as Predictors of Instructional Practice Among African-American Teachers in Predominantly African-American Urban Elementary Schools: A Proposal
Research Mentor  Dr. Constance Ellison
Research Institution  Howard University
Home Institution  Brown University
Co-authors  Kenneth Tyler, Howard University; Constance Ellison, Howard University

NaShaine Dees  2:45 PM  Jefferson III
Presentation Title  Interactions between GBV-C and HIV
Research Mentor  Dr. Drew Weissman
Research Institution  University of Pennsylvania
Home Institution  Grambling State University
Co-authors  Drew Weissman, University of Pennsylvania

Nikki Faison-Miller  10:00 AM  Jefferson V
Presentation Title  Addressing the Problem of Low Student Achievement
Research Mentor  Dr. Michael Frazier
Research Institution  Howard University
Home Institution  Howard University
Co-authors  Michael Frazier, Howard University
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<td>Naureen Farid</td>
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<td><strong>Presentation Title</strong></td>
<td>ROR Gamma T Ortholog expression in Humans and Zebrafish</td>
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<td><strong>Research Mentor</strong></td>
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<td><strong>Co-authors</strong></td>
<td>Robert Tillman, New York University School of Medicine; Dan Littman, New York University School of Medicine</td>
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| Ashley Farmer    | 4:15 PM    | Adams |
| **Presentation Title** | Algerian Women In Their Own Words |
| **Research Mentor** | Dr. Roland Greene |
| **Research Institution** | Stanford University |
| **Home Institution** | Spelman College |
| **Co-authors** | Roland Greene, Stanford University |

| Moses Feaster    | 10:00 AM   | Jefferson I |
| **Presentation Title** | Role of Tbx6 in the migration of tail bud cells of somite stage mouse embryos |
| **Research Mentor** | Dr. Virginia Papaioannou |
| **Research Institution** | Columbia University |
| **Home Institution** | Brooklyn College |
| **Co-authors** | Virginia Papaioannou, Columbia University |

| Ashley Fields    | 3:00 PM    | Jefferson IV |
| **Presentation Title** | Pigment Epithelial Derived Factor (PEDF) inhibits normal endometrial epithelial cell growth |
| **Research Mentor** | Dr. Leslie Gold |
| **Research Institution** | New York University Sackler |
| **Home Institution** | North Carolina State University |
| **Co-authors** | Ashley Fields, New York University School of Medicine; Mohammad Rahman, New York University School of Medicine; Leslie Gold, New York University School of Medicine |

| Mabel Fu         | 9:30 AM    | Jefferson I |
| **Presentation Title** | The Issue of Same-Sex Marriage in a Secular Society |
| **Research Mentor** | Dr. John Borneman |
| **Research Institution** | Princeton University |
| **Home Institution** | Baruch College, CUNY |
| **Co-authors** | John Borneman, Princeton University |

| Oscar Garcia     | 4:30 PM    | Jefferson III |
| **Presentation Title** | Purification and biochemical studies of RNase E from thermophilic Bacteria |
| **Research Mentor** | Dr. Joel Belasco |
| **Research Institution** | New York University Sackler |
| **Home Institution** | UPR-Rio Piedras |
| **Co-authors** | Atilio Deana, New York University School of Medicine; Joel Belasco, New York University School of Medicine |

| Sergio Glait     | 10:30 AM   | Jefferson IV |
| **Presentation Title** | Modification of Nuclear Receptor Co-regulator (NRC) by SUMO-like cofactors |
| **Research Mentor** | Dr. Herbert Samuels |
| **Research Institution** | New York University Sackler |
| **Home Institution** | University of Virginia |
| **Co-authors** | Herbert Samuels, New York University School of Medicine |

<p>| Daniel Glimpse-Medina | 11:15 AM | Jefferson I |
| <strong>Presentation Title</strong> | Effects of Reactive Oxygen Species on Telomere Dysfunction |
| <strong>Research Mentor</strong> | Dr. John Sedivy |
| <strong>Research Institution</strong> | Brown University |
| <strong>Home Institution</strong> | CSU San Jose |
| <strong>Co-authors</strong> | Utz Herbig, Brown University; John Sedivy, Brown University |</p>
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<td>Carly Gomes</td>
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<td>Membrane Trafficking of Endothelin-1 Receptors in Cultured Sensory Neurons</td>
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<td><strong>Research Mentor</strong></td>
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<td>Enrique Gonzalez</td>
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<td>Vocal development in juveniles of the African clawed frog Xenopus laevis</td>
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<td>Teshell Greene</td>
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<td><strong>Presentation Title</strong></td>
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<td>Dr. Ian Blair</td>
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<td>Michelle Williams, University of Pennsylvania; Ian Blair, University of Pennsylvania</td>
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<td>Robert Gupta</td>
<td>11:15 AM</td>
<td>Adams</td>
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<td><strong>Presentation Title</strong></td>
<td>Identification of Cells Producing IL-6 in response to dbcAMP elevation</td>
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<td>Dr. Marie Filbin</td>
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<td><strong>Presentation Title</strong></td>
<td>GCF2 and Inflammation: The Love/Hate Relationship</td>
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<td>Kate Sullivan, University of Pennsylvania</td>
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<td>Andrew Hao</td>
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<td><strong>Presentation Title</strong></td>
<td>Sexuality, Identity, and Knowledge: Politics and Theory in Contested Domains</td>
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<td>Paula Moya, Stanford University</td>
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<td>Scott Harada</td>
<td>10:45 AM</td>
<td>Jefferson VI</td>
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<td>Examining the Role of the JAK/STAT Pathway in Eye Imaginal Disc Growth</td>
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Kelly Molloy 9:30 AM Jefferson II
Presentation Title Conformational Changes of Glycerol-3-phosphate Transporter Mutants from E. coli
Research Mentor Dr. Da-Neng Wang
Research Institution New York University
Home Institution Brown University
Co-authors Yafei Huang, Skirball Institute, New York University; Da-Neng Wang, Skirball Institute, New York University

Keycharianne Navarro 10:15 AM Hamilton
Presentation Title Odor Induced Neural Plasticity in the Nose
Research Mentor Dr. Minghong Ma
Research Institution University of Pennsylvania
Home Institution Brooklyn College
Co-authors Minghong Ma, University of Pennsylvania

Madison Moore 4:15 PM Jefferson II
Presentation Title Paris, A Whore With An Ivory Throat: James Baldwin, Josephine Baker and the Black Erotic Allure 1950s Paris
Research Mentor Dr. Jonathan D. Katz and Dr. Seth Clark Silberman
Research Institution Yale University
Home Institution University of Michigan
Co-authors Seth Clark Silberman, Yale University; Jonathan D. Katz, Yale University

Tania Nevers 4:15 PM Jefferson VI
Presentation Title Ribonuclease H Expression and Localization Studies in the Parasitic Protozoan, Trypanosoma brucei
Research Mentor Dr. Andrew Campbell
Research Institution Brown University
Home Institution Saint John's University
Co-authors Andrew Campbell, Brown University

Laura Motta-Mena 3:30 PM Jefferson II
Presentation Title Analyzing the region of interaction between heterologous prions
Research Mentor Dr. Irina L. Derkatch
Research Institution New York University
Home Institution University of Texas at El Paso
Co-authors Michele Kadnar, New York University School of Medicine; Irina L. Derkatch, New York University School of Medicine

Diana Nguyen 3:15 PM Hamilton
Presentation Title Multivariate Minimization Methods in Biochemistry: Applications to Nucleic Acids and Enzyme-Nucleic Structure
Research Mentor Dr. Tamar Schlick
Research Institution New York University
Home Institution UC Berkeley
Co-authors Eric Waters, Temple University; Ravi Radhakrishnan, New York University; Tamar Schlick, New York University

Thien-Huong Ninh 3:00 PM Jefferson II
Presentation Title From Assimilation to Ethnicization: A Case Study of Young Vietnamese American Leaders
Research Mentor Dr. Christopher Rhomberg
Research Institution Yale University
Home Institution UCLA
Co-authors Christopher Rhomberg, Yale University

Devin Murphy 9:30 AM Jefferson VI
Presentation Title The Ethics of Air Quotes: Agency, Culpability, and the Postmodern Question
Research Mentor Dr. Mary Pat Brady
Research Institution Cornell University
Home Institution Emory University
Co-authors Mary Pat Brady, Cornell University
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<td>The purification of neurotrophins through the use of Baculovirus plasmid transfection of Sf9 insect cells</td>
<td>Dr. Barbara Hempstead</td>
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<td>Sex, Gender, and Power: A Comparative Study of HIV/AIDS in Uganda and South Africa</td>
<td>Dr. Curtis Patton</td>
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<td>Understanding the Role of Wnt1 in Mouse Cerebellar and Midbrain Development</td>
<td>Dr. Alexandra Joyner</td>
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<td>Any Woman's Blues: The Blues Tradition in Gayl Jones' Corregidora</td>
<td>Dr. Farah Griffin</td>
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<td>Does YY1 interact with dCTBP?</td>
<td>Dr. Michael Atchison</td>
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<td>Race, Place and Space: A Comparative Assessment of Instances of Residential Integration in South Africa and the United States</td>
<td>Dr. David Slocum</td>
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<td>Deletion of NCB5OR Gene Causes Diabetes in Mice</td>
<td>Dr. Franklin Bunn</td>
<td>Harvard University</td>
<td>Mount Saint Mary College</td>
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<td>Cerebro-Cerebellar Activations During Internal vs. External Articulation: An fMRI Study</td>
<td>Dr. John Desmond</td>
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<td>Effect of PINK1 on cell survival in an in vitro model of Parkinson's Disease</td>
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<td>The Identification of cellular proteins that interact with the N-terminal of LANA</td>
<td>Dr. Erle S. Robertson and Dr. Zenda Woodman</td>
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<td>Notochord-Specific Enhancers in Ciona intestinalis: A Bioinformatic Approach</td>
<td>Dr. Anna Di Gregorio</td>
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<td>Dr. Karlene Cimprich</td>
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<td>Screen for Genes Interacting with BMP Pathway in Zebrafish Dorsal-ventral Patterning</td>
<td>Dr. Shannon Fisher</td>
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<td>MODIS Observations of Desert Dust, Forest Fire Smoke and Anthropogenic Aerosols</td>
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<td>Functional Studies of the Gene fktf-1, a Putative Regulator of Lifespan in the Parasitic Nematode Strongyloides stercoralis</td>
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<td>Using Gene Therapy's Lentiviral Approach to Enhance the Efficacy of the Platelet Delivery System</td>
<td>Dr. Mortimer Poncz</td>
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<td>Investigating the interaction between nucleolin and MDM2, a known p53 regulator protein</td>
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<td>UPR-Rio Piedras</td>
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<td><strong>Co-authors</strong></td>
<td>Yue Wang, Simon Fraser University; Lotus Lin, University of Washington; Joy Hirsch, Columbia University</td>
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<td>Kendra Simpson</td>
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<td>Cytotoxicity and Cell Cycle Changes of Noscapine-Treated U118MG Glioma Cells</td>
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<td><strong>Research Mentor</strong></td>
<td>Dr. Elizabeth Newcomb</td>
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<td>John Stevenson</td>
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<td>Carly Summers</td>
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<td>LaKeisha Summers</td>
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<td>Charla Taylor</td>
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<td>Jill Taylor</td>
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<td>Rodney Theodore</td>
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<td>Monica Tincopa</td>
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Tanikka Toler  10:30 AM  Jefferson II
Presentation Title  Detection of Antibiotic Resistant Bacteria in an Urban Stream
Research Mentor  Dr. Kellogg Schwab
Research Institution  Johns Hopkins University
Home Institution  Virginia Union University
Co-authors  Amy Chapin, Johns Hopkins University; Kristen Gibson, Johns Hopkins University; Kellogg Schwab, Johns Hopkins University

Mayda Torres  3:30 PM  Hamilton
Presentation Title  Tracking Molecular Mechanisms Through Fluorescence
Research Mentor  Dr. Eric C. Greene
Research Institution  Columbia University
Home Institution  UPR-Rio Piedras
Co-authors  Eric C. Greene, Columbia University

Jay Vachhani  10:30 AM  Jefferson III
Presentation Title  Are all foam cells atherosclerotic macrophages?
Research Mentor  Dr. Edward Fisher
Research Institution  New York University Sackler
Home Institution  University of South Florida
Co-authors  James Rong, New York University School of Medicine; Mark Shapiro, Mount Sinai School of Medicine; Eugene Trojan, New York University School of Medicine; Edward Fisher, New York University School of Medicine

Deree Vance  11:45 AM  Jefferson IV
Presentation Title  Identifying Barriers and Facilitators of Physical Activity for Black Women Enrolled in a Weight Management Program
Research Mentor  Dr. Thomas Lasater
Research Institution  Brown University
Home Institution  Tougaloo College
Co-authors  Thomas Lasater, Institute for Community Health Promotion

Paloma Vargas  4:15 PM  Jefferson IV
Presentation Title  Interactions Between HSF and SSL1, A Subunit of TFIH
Research Mentor  Dr. Hillary Nelson
Research Institution  University of Pennsylvania
Home Institution  University of Texas at El Paso
Co-authors  Hillary Nelson, University of Pennsylvania

Nel Venzon Jr.  10:15 AM  Jefferson III
Presentation Title  Synthesis of HIV-1 Tat protein transduction-CEACAM1 cytodomain fusion proteins
Research Mentor  Dr. Douglas C. Hixson
Research Institution  Brown University
Home Institution  University of Hawaii Manoa
Co-authors  Erika L. Lawson, Brown University/Rhode Island Hospital; David R. Mills, Brown University/Rhode Island Hospital; Douglas C. Hixson, Brown University/Rhode Island Hospital

Justice Walker  2:45 PM  Hamilton
Presentation Title  Antiproliferative effects of atrial and brain natriuretic peptide in mouse pulmonary artery smooth muscle cells
Research Mentor  Dr. James Klinger
Research Institution  Brown University
Home Institution  University of Miami
Co-authors  Rod Warburton, Providence VA Medical Center; James Klinger, Brown University

Ryenn West  11:30 AM  Jefferson IV
Presentation Title  DNA Damage Sensitivity Of Yeast With Long And Bent Telomeres
Research Mentor  Dr. David E. Fisher
Research Institution  Harvard University
Home Institution  University of Southern California
Co-authors  Dan Levy, UCSF; Elizabeth H. Blackburn, UCSF
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<td>Alexis Wheeler</td>
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<td>Vanishing Populations and Advancing Bush: The Environmental Impact of the Slave Trade on Sub-Saharan Africa</td>
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<td>Michael Williams</td>
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<td>Modeling of 3-Dimensional Environments Using Photogrammetry to Minimize Global Positioning System Multipath Error</td>
<td>Dr. Penina Axelrad</td>
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<td>Effects of novel and predicted food rewards on cell-signaling in the striatum of food-restricted rats</td>
<td>Dr. Kenneth Carr</td>
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<td>Sandra Haberny, New York University School of Medicine; Kenneth Carr, New York University School of Medicine</td>
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<td>David Wirth</td>
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<td>Analysis of polysome profiles of cap-dependent mRNA during the eukaryotic cell cycle</td>
<td>Dr. Robert J. Schneider</td>
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<td>Manisha Narasimhan, New York University School of Medicine; Robert J. Schneider, New York University School of Medicine</td>
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<td>Music as Myth and Morality: A Study of the Serenata in Baroque Italy</td>
<td>Dr. Wendy Heller</td>
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<td>Elizabeth Zwareva</td>
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<td>Implications of Trust and Betrayal in Clinical Practice</td>
<td>Dr. Cynda Hylton Rushton</td>
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<td>Marymount College</td>
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<td>David Winternheimer</td>
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<td>Polymerase Eta in Genomic Maintenance</td>
<td>Dr. Hannah Klein</td>
<td>New York University Sackler</td>
<td>University of Evansville</td>
<td>Hannah Klein, New York University School of Medicine</td>
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## Student Poster Presentations

### BY POSTER BOARD NUMBER

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<td>Ivy Akatsa</td>
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<td>Characterizing the Role of PI3-Kinase Delta in B-Glucan Enhanced Neutrophil Chemotaxis</td>
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<td>Grace Under Pressure: Attachment Style &amp; Mood in Bar Examinees</td>
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<td>Sara Anderson</td>
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<td>RNA Interference on a Phospho Protein Phosphatase Gene of Dictyostelium Discoideum</td>
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<td>Site Specific Mutagenesis of a Phospho Protein Phosphatase Gene of Dictyostelium Discoideum</td>
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<td>Yaneya Armas</td>
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<td>Role of Fc receptors in the NZM2328 model of lupus</td>
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<td>Norman Armstrong</td>
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<td>The Effect of Ethanol in Mice Aggression</td>
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<td>Comparison of Chondrogenesis by Chondrocytes and Mesenchymal Stem Cells in Injection Molded Alginate</td>
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<td>Kehinde Ayoola</td>
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<td>Localization of Estrogen Receptor Beta in the Hippocampus</td>
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Joanna Ayoung 19 9:30 - 10:15 AM
Presentation Title The Role of Mouse Ventral Tegmental Area N-Methyl-D-Aspartate Receptors in Cocaine Sensitization.
Research Mentor Dr. Charles E. Inturrisi
Research Institution Weill Graduate School of Medical Sciences of Cornell University
Home Institution Hunter College
Co-authors Thomas Loonam, Weill Graduate School of Medical Sciences of Cornell University; Charles E. Inturrisi, Weill Graduate School of Medical Sciences of Cornell University

Cristina Beras 64 10:15 - 11:00 AM
Presentation Title X-band spatially-fed alternative for phased array for meteorology
Research Mentor Dr. Zoya Popovic
Research Institution University of Colorado at Boulder
Home Institution UPR-Mayaguez
Co-authors Nestor D. Lopez, University of Colorado at Boulder; Sébastien Rondineau, University of Colorado at Boulder; Marcelo Bender, University of Colorado at Boulder; Zoya Popovic, University of Colorado at Boulder

Sonja Big Leggins 65 9:30 - 10:15 AM
Presentation Title Expression of Puroindoline A in the Methylotrophic Yeast Pichia pastoris.
Research Mentor Dr. Kathi Trujillo
Research Institution Montana State University -Bozeman
Home Institution Fort Peck Community College
Co-authors Kathi Trujillo, Montana State University -Bozeman

Krysten Brown 99 9:30 - 10:15 AM
Presentation Title In the Valley of the Shadow of Death: HIV/AIDS, Black Women in Prison
Research Mentor Dr. Deborah King
Research Institution Dartmouth College
Home Institution Hunter College
Co-authors Deborah King, Dartmouth College

Tashalee Brown 20 10:15 - 11:00 AM
Presentation Title Lanthanide modulation of gramicidin A channel function
Research Mentor Dr. Olaf S. Andersen
Research Institution Weill Cornell/Rockefeller/Sloan-Kettering
Home Institution Johns Hopkins University
Co-authors Sonya E. Tape, Weill Medical College of Cornell University; Olaf S. Andersen, Weill Medical College of Cornell University

Mercedes Burns 114 10:15 - 11:00 AM
Presentation Title The effort of cronic methamphetamine on spatial memory and dopamine transporter levels in male rats
Research Mentor Dr. Victoria Luine
Research Institution Hunter College
Home Institution Macalester College
Co-authors Ana Costa, Hunter College; Claris Gantreaux, Hunter College; Samantha Diaz, Hunter College; Victoria Luine, Hunter College

Ivelisse Cajigas 25 9:30 - 10:15 AM
Presentation Title Peroxisomal Biogenesis Proteins Hs PEX 26 and Sc Pex 15: functional orthologues without significant sequence homology?
Research Mentor Dr. David Valle
Research Institution Johns Hopkins University
Home Institution UPR-Rio Piedras
Co-authors Sabine Weller, Johns Hopkins University; David Valle, Johns Hopkins University

Tristin Celestin 47 9:30 - 10:15 AM
Presentation Title An Implementation of a Gamepad API To Set Up A Collaborative Diffusion Process in an End User Environment
Research Mentor Dr. Alexander Repenning
Research Institution University of Colorado at Boulder
Home Institution University of Maryland, Baltimore County
Co-authors Alexander Repenning, University of Colorado at Boulder
Natasha Corbitt  79  9:30 - 10:15 AM  
**Presentation Title** A Novel DNA Vaccine Approach to Cervical Cancer that Targets Human Papillomavirus-16 E7  
**Research Mentor** Dr. Yvonne Patterson  
**Research Institution** University of Pennsylvania  
**Home Institution** Howard University  
**Co-authors** Xiaohui Peng, University of Pennsylvania; Yvonne Patterson, University of Pennsylvania

Julie Corpron  88  10:15 - 11:00 AM  
**Presentation Title** Effect of gamma-interferon on Toxoplasma gondii in murine fibroblasts, microglia and dendritic cells  
**Research Mentor** Dr. Sandra K. Halonen  
**Research Institution** Montana State University -Bozeman  
**Home Institution** Fort Peck Community College  
**Co-authors** Sandra K. Halonen, Montana State University -Bozeman

Cyntrell Crawford  81  9:30 - 10:15 AM  
**Presentation Title** Cloning of HIV-1 pol gene to generate DNA vaccine construct.  
**Research Mentor** Dr. David Weiner  
**Research Institution** University of Pennsylvania  
**Home Institution** Xavier University of Louisiana  
**Co-authors** David Weiner, University of Pennsylvania

Joseph Cudjoe  84  10:15 - 11:00 AM  
**Presentation Title** Analysis of the ATPase domains of the human cohesin Smc1 and Smc3 protein subunits and their interaction with Scc1 subunit  
**Research Mentor** Dr. Gerard Hurwitz  
**Research Institution** Weill Graduate School of Medical Sciences of Cornell University  
**Home Institution** City College of New York  
**Co-authors** Gerard Hurwitz, Weill Graduate School of Medical Sciences of Cornell University

Harvey Daniels III  96  10:15 - 11:00 AM  
**Presentation Title** Law and the Public's Health: The Turning Point Initiative  
**Research Mentor** Dr. James Hodge, Jr.  
**Research Institution** Johns Hopkins University  
**Home Institution** Xavier University of Louisiana  
**Co-authors** James Hodge, Jr., Johns Hopkins University

Tiffany Davis  97  9:30 - 10:15 AM  
**Presentation Title** Drop Me Off in Harlem: An Analysis of the Changing Commercial Market in Gentrified Harlem  
**Research Mentor** Dr. Deborah King  
**Research Institution** Dartmouth College  
**Home Institution** Dartmouth College  
**Co-authors** Deborah King, Dartmouth College

Anthony De Giacomo  17  9:30 - 10:15 AM  
**Presentation Title** Genome Wide-Screen of Saccharomyces cerevisiae for Suppressors to Cytokinesis Defects  
**Research Mentor** Dr. Lynn VerPlank  
**Research Institution** Harvard University  
**Home Institution** Dominican University of California  
**Co-authors** Rong Li, Harvard Medical School; Lynn VerPlank, Harvard Medical School

Brandi Deggins  13  9:30 - 10:15 AM  
**Presentation Title** The Role of Provitamin A and Lung Development  
**Research Mentor** Dr. Lewis Rubin  
**Research Institution** Brown University  
**Home Institution** Southern University at Baton Rouge  
**Co-authors** Lewis Rubin, Women and Infants' Hospital, Brown Medical School
Jean Doriot 68 10:15 - 11:00 AM

**Presentation Title** Summer Research Projects: Patient Specific Modeling Prototype, Phase Shifting Flaps Circuit, Flow Visualization

**Research Mentor** Dr. Jean Hertzberg

**Research Institution** University of Colorado at Boulder

**Home Institution** UPR-Mayaguez

**Co-authors** Jean Hertzberg, University of Colorado at Boulder

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Luis Duarte 92 10:15 - 11:00 AM

**Presentation Title** Towards the High Resolution X-Ray Crystal Structure of a Group I Intron

**Research Mentor** Dr. Quentin Vicens

**Research Institution** University of Colorado at Boulder

**Home Institution** University of Miami

**Co-authors** Thomas Cech, University of Colorado at Boulder; Quentin Vicens, University of Colorado at Boulder

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Nicole Easley 104 10:15 - 11:00 AM

**Presentation Title** Establishing the role of SytB and SytE as virulence factors in geminiviruses using the plant model Arabidopsis thaliana

**Research Mentor** Dr. Sondra Lazarowitz

**Research Institution** Cornell University

**Home Institution** Colorado State University

**Co-authors** Sondra Lazarowitz, Cornell University

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Alisha Fernandez 35 9:30 - 10:15 AM

**Presentation Title** Searching for the Achilles Heel of Singular Value Decomposition

**Research Mentor** Dr. James Curry and Dr. Anne Dougherty

**Research Institution** University of Colorado at Boulder

**Home Institution** University of Colorado at Boulder

**Co-authors** Anne Dougherty, University of Colorado at Boulder; James Curry, University of Colorado at Boulder

---

Mark Fierro 83 9:30 - 10:15 AM

**Presentation Title** Sensitivity to Entry Inhibitors of Fusion Mediated by HIV-1 Envelopes from Primary Isolates

**Research Mentor** Dr. Francisco Gonzalez-Scarano

**Research Institution** University of Pennsylvania

**Home Institution** Santa Clara University

**Co-authors** Angel Varela-Rohena, University of Pennsylvania; Julio Martin-Garcia, University of Pennsylvania; Francisco Gonzalez-Scarano, University of Pennsylvania

---

Roman Fisher 12 10:15 - 11:00 AM

**Presentation Title** Producing and evaluating muscle soreness using a Kin-Com dynamometer during maximal eccentric contraction exercises

**Research Mentor** Dr. Mary Miles

**Research Institution** Montana State University - Bozeman

**Home Institution** Montana State University - Bozeman

**Co-authors** Mike Hahn, Montana State University - Bozeman; Mary Miles, Montana State University - Bozeman

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James Fletcher 10 10:15 - 11:00 AM

**Presentation Title** Design of Tandem Affinity Purification (TAP)-tagged Protein tyrosine phosphatase RO (PTPRO) to study protein interactions

**Research Mentor** Dr. John Bixby

**Research Institution** University of Miami

**Home Institution** Brown University

**Co-authors** Lynn Usher, University of Miami; John Bixby, University of Miami

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Heather Flores 4 10:15 - 11:00 AM

**Presentation Title** Testing for adaptive protein evolution at “bam”, a Drosophila gene that regulates gamete differentiation

**Research Mentor** Dr. Charles Aquadro

**Research Institution** Cornell University

**Home Institution** University of Nebraska-Lincoln

**Co-authors** Vanessa Bauer DuMont, Cornell University; Charles Aquadro, Cornell University
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<th>Name</th>
<th>Presentation Title</th>
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<th>Research Institution</th>
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<td>Designing Genetic Circuits to Solve a Simple Maze Via Cell to Cell Communication</td>
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<td>Aaron Frank</td>
<td>Comparing The Bone Mineral Properties of Male and Female Hypophosphatemic</td>
<td>Dr. Adele Boskey</td>
<td>Weill Cornell/Rockefeller/Sloan-Kettering</td>
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<td>Aliya Frederick</td>
<td>Testing the Secondary Structure of Yeast Telomerase RNA</td>
<td>Dr. David Zappulla</td>
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<td>Thomas Cech, University of Colorado at Boulder; David Zappulla, University of Colorado at Boulder</td>
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<td>Jean-Charles Gaspard</td>
<td>The Effect of Decarbamoyl Mitomycin C and Mitomycin C on Apoptosis of HCT116 Cells</td>
<td>Dr. Jill Bargonetti</td>
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<td>Kathryn Talbott, Hunter College; Jill Bargonetti, Hunter College</td>
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<td>Sabrina Gilchrist</td>
<td>Health Outcomes and Health Control Belief Among Urban Ethnic Minority Adults</td>
<td>Dr. Diane Hughes</td>
<td>New York University</td>
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<td>Diane Hughes, New York University</td>
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<td>Tara Gomez</td>
<td>Aging in the Worm Caenorhabditis elegans: Survival of Methyltransferase Deficient Animals under Starvation and Oxidative Stress</td>
<td>Dr. Keith Blackwell</td>
<td>Harvard University</td>
<td>UCLA</td>
<td>Kelley Banfield, UCLA; Steven Clarke, UCLA</td>
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<td>Ryan Grant</td>
<td>Production and Purification of Recombinant Parkin</td>
<td>Dr. Ted Dawson</td>
<td>Johns Hopkins University</td>
<td>UC Davis</td>
<td>Kenny Chung, Johns Hopkins University; Ted Dawson, Johns Hopkins University</td>
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Ryan Gutierrez 67 9:30 - 10:15 AM

Presentation Title Arabidopsis RNase R is essential for ribosomal RNA processing in chloroplasts
Research Mentor Dr. David Stern
Research Institution Cornell University
Home Institution Cornell University
Co-authors Thomas Bollenbach, Boyce Thompson Institute for Plant Research; David Stern, Boyce Thompson Institute for Plant Research

Jannie Guzman 54 10:15 - 11:00 AM

Presentation Title Cell Cycle Regulations by Checkpoints in Drosophila
Research Mentor Dr. Tin Tin Su
Research Institution University of Colorado at Boulder
Home Institution UPR-Mayaguez
Co-authors Tin Tin Su, University of Colorado at Boulder

Mohamad Halawi 69 9:30 - 10:15 AM

Presentation Title Characterization of Candidate Oncogenes Amplified in Human Pancreatic Adenocarcinoma
Research Mentor Dr. Ronald DePinho
Research Institution Harvard University
Home Institution University of Houston
Co-authors Andrew Aguirre, Dana-Farber Cancer Institute-Harvard Medical School; Lynda Chin, Dana-Farber Cancer Institute-Harvard Medical School; Ronald DePinho, Dana-Farber Cancer Institute-Harvard Medical School

Farrah Harden 110 10:15 - 11:00 AM

Presentation Title Cell Cycle Analysis of the Effects of Various Drugs on the Hnt3 Deletion and Wild-Type Yeast Cells
Research Mentor Dr. Charles Brenner
Research Institution Dartmouth College
Home Institution Tuskegee University
Co-authors Heather Couch, Dartmouth Medical School, Norris Cotton Cancer Center; Kara Shilinski, Dartmouth Medical School, Norris Cotton Cancer Center; Charles Brenner, Dartmouth Medical School, Norris Cotton Cancer Center

Ernest Heimsath 102 10:15 - 11:00 AM

Presentation Title In vivo analysis of programmed cell death in Drosophila Melanogaster
Research Mentor Dr. Patrick Dolph
Research Institution Dartmouth College
Home Institution University of Texas at San Antonio
Co-authors Patrick Dolph, Dartmouth College

Jessica Henry 30 10:15 - 11:00 AM

Presentation Title Beliefs About Learning Among Children and Parents in Taiwan, China, and the US
Research Mentor Dr. Jin Li
Research Institution Brown University
Home Institution Howard University
Co-authors Jin Li, Brown University

Ian Her Many Horses 57 9:30 - 10:15 AM

Presentation Title An Analysis And Comparison Of Latent Semantic Indexing Using QR Decomposition And Singular Value Decomposition With Sparse Matrices
Research Mentor Dr. James Curry
Research Institution University of Colorado at Boulder
Home Institution University of Colorado at Boulder
Co-authors Rachel Danson, University of Colorado at Boulder; Kris Tucker, University of Colorado at Boulder; James Curry, University of Colorado at Boulder

Gianna Hernández-Méndez 49 9:30 - 10:15 AM

Presentation Title The Influence of Climate in Plant-Insects Interactions
Research Mentor Dr. Dena Smith
Research Institution University of Colorado at Boulder
Home Institution UPR-Mayaguez
Co-authors Cesar Nufio, University of Colorado at Boulder; Dena Smith, University of Colorado at Boulder
Daora Ikwuagwu 85 9:30 - 10:15 AM
**Presentation Title** The Effect of LTP Transferase on Initiation Factor 3
**Research Mentor** Dr. Akira Kaji
**Research Institution** University of Pennsylvania
**Home Institution** Delaware State University
**Co-authors** Akira Kaji, University of Pennsylvania

Ayuko Iverson 98 10:15 - 11:00 AM
**Presentation Title** Prokaryotic expression of a soluble class Ib MHC complex
**Research Mentor** Dr. Mark Soloski
**Research Institution** Johns Hopkins University
**Home Institution** UCLA
**Co-authors** Kasra X. Ramyar, Johns Hopkins School of Medicine; Mark J. Soloski, Johns Hopkins School of Medicine

Rochelle Jackson 77 9:30 - 10:15 AM
**Presentation Title** Salmonids do not want to go for another "whirl": A follow-up on whirling disease infection on the Madison River, Montana
**Research Mentor** Dr. B.L. Kerans
**Research Institution** Montana State University -Bozeman
**Home Institution** Fort Peck Community College
**Co-authors** Leah C. Steinbach-Elwell, Montana State University -Bozeman; Billie L. Kerans, Montana State University -Bozeman

Angela Jones 38 10:15 - 11:00 AM
**Presentation Title** How Ethnicity and Gender Relate to Students' Assessment of Teacher Treatment
**Research Mentor** Dr. Diane Hughes
**Research Institution** New York University
**Home Institution** Clark Atlanta University
**Co-authors** Diane Hughes, New York University

Leslie Jones 6 10:15 - 11:00 AM
**Presentation Title** Assessment of BID gene deficiency to suppress apoptosis and improve survival seen following polymicrobial sepsis
**Research Mentor** Dr. Alfred Ayala
**Research Institution** Brown University
**Home Institution** Southern University at Baton Rouge
**Co-authors** Chun-Shiang Chung, Brown University; Yaping Chen, Brown University; Alfred Ayala, Brown University

Laurie Kaler 87 9:30 - 10:15 AM
**Presentation Title** Implications of V3 Loop Deletions on HIV-1 Envelope Function
**Research Mentor** Dr. Robert W. Doms
**Research Institution** University of Pennsylvania
**Home Institution** Portland State University
**Co-authors** Mark J. Biscone, University of Pennsylvania; Robert W. Doms, University of Pennsylvania

John LaSarte 71 9:30 - 10:15 AM
**Presentation Title** Flex leads for microprobes and microelectrodes
**Research Mentor** Dr. Todd J. Kaiser
**Research Institution** Montana State University -Bozeman
**Home Institution** Fort Belknap College
**Co-authors** Todd J. Kaiser, Montana State University -Bozeman

Erica Leung 63 9:30 - 10:15 AM
**Presentation Title** Infection with a gammaherpesvirus mutated in the latency-associated gene ORF73 fails to induce mononucleosis
**Research Mentor** Dr. Edward Usherwood
**Research Institution** Dartmouth College
**Home Institution** McMaster University
**Co-authors** Edward Usherwood, Dartmouth Medical School
Leanna Little Wolf 61 9:30 - 10:15 AM  
**Presentation Title**: Policy change in a community-based research program on the Apsaalooke Reservation  
**Research Mentor**: Dr. Suzanne Christopher  
**Research Institution**: Montana State University - Bozeman  
**Home Institution**: Little Big Horn College  
**Co-authors**: Samantha Allen, Montana State University - Bozeman; Suzanne Christopher, Montana State University - Bozeman

Elizabeth Mejia 111 9:30 - 10:15 AM  
**Presentation Title**: The Influence of Self-monitoring on the Relation Between Social Anxiety and Negative Attributional Style  
**Research Mentor**: Dr. Heather Henderson  
**Research Institution**: University of Miami  
**Home Institution**: University of Miami  
**Co-authors**: Caley Schwartz, University of Miami; Heather Henderson, University of Miami

Iris López 45 9:30 - 10:15 AM  
**Presentation Title**: 3-D Modeling of Artery System from Medical Images  
**Research Mentor**: Dr. Jean Hertzberg  
**Research Institution**: University of Colorado at Boulder  
**Home Institution**: UPR-Mayaguez  
**Co-authors**: Jean P. Doriot, University of Puerto Rico, Mayaguez; Daniel Cahn, University of Colorado at Boulder; Jean Hertzberg, University of Colorado at Boulder

Roberto Marquez 74 10:15 - 11:00 AM  
**Presentation Title**: Do universal codon usage patterns minimize the effects of mutation and translation error?  
**Research Mentor**: Dr. Robin Knight  
**Research Institution**: University of Colorado at Boulder  
**Home Institution**: New Mexico State University  
**Co-authors**: Michael Yarus, University of Colorado at Boulder; Robin Knight, University of Colorado at Boulder

Madeline Martínez 28 10:15 - 11:00 AM  
**Presentation Title**: Kinetic Transient Studies on the Interaction Mechanism of Kainate Receptor and Cocaine  
**Research Mentor**: Dr. George P. Hess  
**Research Institution**: Cornell University  
**Home Institution**: UPR-Rio Piedras  
**Co-authors**: Yongli Chen, Cornell University; George P. Hess, Cornell University

Kyra Miller 8 10:15 - 11:00 AM  
**Presentation Title**: Distribution and frequency of B lymphocytes and granulocytes in the blood, spleen, and bone marrow of C57BL/6 Mice  
**Research Mentor**: Dr. Robert Levy  
**Research Institution**: University of Miami  
**Home Institution**: Hampton University  
**Co-authors**: Alwi Shatry, University of Miami; Robert Levy, University of Miami

Gladys Mouton 27 9:30 - 10:15 AM  
**Presentation Title**: The Effects of Mercury on Pre-Erythrocytic Stages of Malaria Infection and on Liver Stage Events in Immunity  
**Research Mentor**: Dr. Noel R. Rose  
**Research Institution**: Johns Hopkins University  
**Home Institution**: Grambling State University  
**Co-authors**: Jennifer Nyland, Johns Hopkins Bloomberg School of Public Health; Ellen K. Silbergeld, Johns Hopkins Bloomberg School of Public Health; Noel R. Rose, Johns Hopkins Bloomberg School of Public Health

Kenhana Munroe 80 10:15 - 11:00 AM  
**Presentation Title**: Dissection of Bioactive Lipid Functions  
**Research Mentor**: Dr. Ronald Booker  
**Research Institution**: Cornell University  
**Home Institution**: Brooklyn College  
**Co-authors**: Ronald Booker, Cornell University
Kelechi Ndubuizu 22 10:15 - 11:00 AM
Presentation Title Regulation of Anxiety States by Tumor Necrosis Factor Alpha
Research Mentor Dr. Miklos Toth
Research Institution Weill Cornell/Rockefeller/Sloan-Kettering
Home Institution University of Maryland, Baltimore County
Co-authors Miklos Toth, Weill Medical College of Cornell University

Chrystal Obi 16 10:15 - 11:00 AM
Presentation Title Assessing Emotional/Limbic Responses of PTSD Patients with an fMRI Cognitive Activation Paradigm
Research Mentor Dr. David Silbersweig
Research Institution Weill Cornell/Rockefeller/Sloan-Kettering
Home Institution Rice University
Co-authors David Silbersweig, Weill Medical College of Cornell University

Ogechukwu Ndum 107 9:30 - 10:15 AM
Presentation Title Interactions of PinX1 with human reverse transcriptase in telomerase
Research Mentor Dr. Thomas Cech
Research Institution University of Colorado at Boulder
Home Institution University of Maryland, Baltimore County
Co-authors Steve Jacobs, University of Colorado at Boulder; Thomas Cech, University of Colorado at Boulder

Kevin O’Brien 50 10:15 - 11:00 AM
Presentation Title Characterization of the 5’ Untranslated Region of the Adult Fast Myosin Heavy Chain Gene
Research Mentor Dr. Leslie Leinwand
Research Institution University of Colorado at Boulder
Home Institution University of Colorado at Boulder
Co-authors Dave Allen, University of Colorado at Boulder; Leslie Leinwand, University of Colorado at Boulder

Adrienne Norwood 62 10:15 - 11:00 AM
Presentation Title Examining Three Methods to QR Factorization and Their Relation to LSI in Search Engine Advancements
Research Mentor Dr. James Curry and Dr. Anne Dougherty
Research Institution University of Colorado at Boulder
Home Institution University of Maryland, Baltimore County
Co-authors Anne Dougherty, University of Colorado at Boulder; James Curry, University of Colorado at Boulder

Shaleen Old Coyote 9 9:30 - 10:15 AM
Presentation Title Identification of Helicobacter pylori in the environment
Research Mentor Dr. Susan Broadaway
Research Institution Montana State University - Bozeman
Home Institution Montana State University - Bozeman
Co-authors Susan Broadaway, Montana State University - Bozeman

Chinyere Nwaneri 11 9:30 - 10:15 AM
Presentation Title Reward Magnitude Influence on Behavioral and Dopamine Rich Areas of the Striatum
Research Mentor Dr. B.J. Casey
Research Institution Weill Cornell/Rockefeller/Sloan-Kettering
Home Institution University of Maryland, Baltimore County
Co-authors B.J. Casey, Weill Medical College of Cornell University

Nnadozie Onunkwo 51 9:30 - 10:15 AM
Presentation Title Designing a Laser Beam Stabilizer to Enhance the Stability of Ultrafast EUV Generation
Research Mentor Dr. Henry Kapteyn and Dr. Margaret Murnane
Research Institution University of Colorado at Boulder
Home Institution University of Maryland, Baltimore County
Co-authors Chi-Fong Lei, University of Colorado at Boulder; Margaret Murnane, University of Colorado at Boulder; Henry Kapteyn, University of Colorado at Boulder
Ana Oquendo-Vázquez   46  10:15 - 11:00 AM
**Presentation Title** Investigation of Avidin-Biotin Lipid Interaction via Surface Pressure Measurements  
**Research Mentor** Dr. Daniel K. Schwartz  
**Research Institution** University of Colorado at Boulder  
**Home Institution** UPR-Mayaguez  
**Co-authors** Andrew Price, University of Colorado at Boulder; Daniel K. Schwartz, University of Colorado at Boulder

Linda Ostos  40  10:15 - 11:00 AM
**Presentation Title** A Study of the Coherence Properties of Atom Interferometry  
**Research Mentor** Dr. Dana Anderson  
**Research Institution** University of Colorado at Boulder  
**Home Institution** California State Polytechnic University  
**Co-authors** Ying-Ju Wang, University of Colorado at Boulder; Quentin Diet, University of Colorado at Boulder; Stephen Segal, University of Colorado at Boulder; Dana Anderson, University of Colorado at Boulder

Rohan Palmer  59  9:30 - 10:15 AM
**Presentation Title** An Assessment of DNA Integrity in Scope Mouthwash  
**Research Mentor** Dr. Andy Smolen  
**Research Institution** University of Colorado at Boulder  
**Home Institution** William Patterson University  
**Co-authors** Gary Stetler, University of Colorado at Boulder; Andy Smolen, University of Colorado at Boulder

LaToya Poole  2  10:15 - 11:00 AM
**Presentation Title** Paraquat sensitivity assay of MnSOD and Cu-ZnSOD double mutant  
**Research Mentor** Dr. Atanu Duttaroy  
**Research Institution** Howard University  
**Home Institution** Fayetteville State University  
**Co-authors** Amy Belton, Howard University; Atanu Duttaroy, Howard University

Brian Quinones  52  10:15 - 11:00 AM
**Presentation Title** Synthesis and hydrolysis of doxoform, a superactive antitumor drug  
**Research Mentor** Dr. Tad Koch  
**Research Institution** University of Colorado at Boulder  
**Home Institution** University of Texas at San Antonio  
**Co-authors** Dave Burkhart, University of Colorado at Boulder; Glen Post, University of Colorado at Boulder; Tad Koch, University of Colorado at Boulder

Cherie Ramirez  66  10:15 - 11:00 AM
**Presentation Title** Characterization of Fusion Partners to NUT in t(15,v) Carcinomas  
**Research Mentor** Dr. Christopher A. French  
**Research Institution** Harvard University  
**Home Institution** Rollins College-Winter Park  
**Co-authors** Jon C. Aster, Brigham and Women's Hospital-Harvard Medical School; Christopher A. French, Brigham and Women's Hospital-Harvard Medical School

Elizabeth Ramirez  108  10:15 - 11:00 AM
**Presentation Title** Synthesis of m-DL-benzoyl phenylalanine (m-Bpa) and novel m-Bpa-containing probes  
**Research Mentor** Dr. Akira Kawamura  
**Research Institution** Hunter College  
**Home Institution** Trinity University  
**Co-authors** Sagit Hindi, Hunter College; Akira Kawamura, Hunter College

Anika Ramos  32  10:15 - 11:00 AM
**Presentation Title** Role of viral infections in the progression of autoimmunity  
**Research Mentor** Dr. David Posnett  
**Research Institution** Weill Graduate School of Medical Sciences of Cornell University  
**Home Institution** Barry University  
**Co-authors** Dmitry Yarilin, Weill Graduate School of Medical Sciences of Cornell University; David Posnett, Weill Graduate School of Medical Sciences of Cornell University
Kenny Rentas 72 10:15 - 11:00 AM
Presentation Title Characterization of Arc Binding to the Synaptic Proteins
Research Mentor Dr. Paul Worley
Research Institution Johns Hopkins University
Home Institution UPR-Rio Piedras
Co-authors Shoaib Chowdhury, Johns Hopkins University; Jason Shepherd, Johns Hopkins University; Paul Worley, Johns Hopkins University

Daniel Rosario 37 9:30 - 10:15 AM
Presentation Title Characterization and Durability of Segmental Retaining Wall Unit
Research Mentor Dr. Kenneth C. Hover
Research Institution Cornell University
Home Institution UPR-Mayaguez
Co-authors Cesar Chan, Cornell University; Randall Hance, Cornell University; Kenneth C. Hover, Cornell University

Levy Reyes 53 9:30 - 10:15 AM
Presentation Title Modulation of c-FOS in Vomeronasal and Olfactory Epithelium by Gonadotropin Releasing Hormone
Research Mentor Dr. Pei-San Tsai
Research Institution University of Colorado at Boulder
Home Institution University of Arizona
Co-authors Pei-San Tsai, University of Colorado at Boulder

Kathryn Rose 21 9:30 - 10:15 AM
Presentation Title Minimal mutations of a cryptic CD8 T cell epitope in a retrovirus-induced immunodeficiency
Research Mentor Dr. William Green
Research Institution Dartmouth College
Home Institution Mount Holyoke College
Co-authors On Ho, Dartmouth Medical School; William R. Green, Dartmouth Medical School

Luna Rodriguez 33 9:30 - 10:15 AM
Presentation Title Evaluation of Antarctic Mesoscale Prediction System (AMPS) Forecasts for Different Synoptic Weather Patterns
Research Mentor Dr. John Cassano
Research Institution University of Colorado at Boulder
Home Institution UPR-Rio Piedras
Co-authors Mark Seefeldt, University of Colorado at Boulder; John Cassano, University of Colorado at Boulder

Yisa Rumala 43 9:30 - 10:15 AM
Presentation Title Temperature Performance and Liquid Surface Cooling of Quantum Cascade Lasers
Research Mentor Dr. Claire Gmachl
Research Institution Princeton University
Home Institution York College, City University of New York
Co-authors Claire Gmachl, Princeton University; Deborah L. Sivco, Bell Laboratories, Lucent Technology

Crystal Russell 93 9:30 - 10:15 AM
Presentation Title Influence of Carbon Source, Electron Shuttling Compounds, and Iron Minerals on the Cr(VI)-Reduction by a Gram-Positive Bacterium
Research Mentor Dr. Robin Gerlach
Research Institution Montana State University - Bozeman
Home Institution Montana State University - Bozeman
Co-authors Robin Gerlach, Montana State University - Bozeman

Pedro Rodríguez 94 10:15 - 11:00 AM
Presentation Title Development of New Laboratories to Improve the Understanding of Transmission-Line Phenomena
Research Mentor Dr. Zoya Popovic
Research Institution University of Colorado at Boulder
Home Institution UPR-Mayaguez
Co-authors Zopy Popovic, University of Colorado at Boulder
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<td>Characterization and Properties of Nanocomposites in Polymers Produced by Photolithographic Polymerization</td>
<td>Dr. Ken Gall</td>
<td>University of Colorado at Boulder</td>
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<td><strong>Research Mentor</strong> Dr. Ken Gall</td>
<td><strong>Research Institution</strong> University of Colorado at Boulder</td>
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<td><strong>Home Institution</strong> University of Colorado at Boulder</td>
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<td><strong>Co-authors</strong> Joseph Salazar, University of Colorado at Boulder; Jeff Tyber, University of Colorado at Boulder; Ken Gall, University of Colorado at Boulder</td>
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<td>Juan Sanchez-Cortes</td>
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<td>Semiconducting Organic-Inorganic Hybrid Materials for Optoelectronics</td>
<td>Dr. Cristopher K. Ober</td>
<td>UPR-Rio Piedras</td>
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<td><strong>Research Institution</strong> Cornell University</td>
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<td><strong>Co-authors</strong> Juan-Pablo Bravo-Vasquez, Cornell University; Cristopher K. Ober, Cornell University</td>
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<td>SCF/skp2 Substrates and p21 Conjugation</td>
<td>Dr. Xuedong Liu</td>
<td>University of Colorado at Boulder</td>
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<td><strong>Presentation Title</strong> SCF/skp2 Substrates and p21 Conjugation</td>
<td><strong>Research Mentor</strong> Dr. Xuedong Liu</td>
<td><strong>Research Institution</strong> University of Colorado at Boulder</td>
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<td><strong>Co-authors</strong> Xuedong Liu, University of Colorado at Boulder</td>
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<td>Reinaldo Santos</td>
<td>34</td>
<td>Characterization of Gaussian Laser Beams Using High Resolution CCD Camera for Applications In Ultrafast X-Ray Generation</td>
<td>Dr. Henry C. Kaptey and Dr. Margaret Murnane</td>
<td>Universidad Metropolitana</td>
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<td><strong>Presentation Title</strong> Characterization of Gaussian Laser Beams Using High Resolution CCD Camera for Applications In Ultrafast X-Ray Generation</td>
<td><strong>Research Mentor</strong> Dr. Henry C. Kaptey and Dr. Margaret Murnane</td>
<td><strong>Research Institution</strong> University of Colorado at Boulder</td>
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<td><strong>Home Institution</strong> Universidad Metropolitana</td>
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<td><strong>Co-authors</strong> Daisy Raymondson, University of Colorado at Boulder; Margaret Murnane, University of Colorado at Boulder; Henry C. Kaptey, University of Colorado at Boulder</td>
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<td>LaTosha Shepherd</td>
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<td>Contributing to The Mathematical Toolkit Software</td>
<td>James Curry</td>
<td>University of Colorado at Boulder</td>
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<td><strong>Presentation Title</strong> Contributing to The Mathematical Toolkit Software</td>
<td><strong>Research Mentor</strong> James Curry</td>
<td><strong>Research Institution</strong> University of Colorado at Boulder</td>
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<td><strong>Co-authors</strong> James Curry, University of Colorado at Boulder</td>
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<td>Ingrid Soltero</td>
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<td>mRNA and Protein Analysis of Presynaptic Transmission Genes During Embryonic Development</td>
<td>Dr. Maja Bucan</td>
<td>UPR-Mayaguez</td>
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<td><strong>Presentation Title</strong> mRNA and Protein Analysis of Presynaptic Transmission Genes During Embryonic Development</td>
<td><strong>Research Mentor</strong> Dr. Maja Bucan</td>
<td><strong>Research Institution</strong> University of Pennsylvania</td>
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<td><strong>Home Institution</strong> UPR-Mayaguez</td>
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<td><strong>Co-authors</strong> Rei Liu, University of Pennsylvania; Maja Bucan, University of Pennsylvania</td>
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<td>Denean Standing</td>
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<td>Effects of siRNA mediated CaM Kinase inhibition on water maze perform-</td>
<td>Dr. Mike Babcock</td>
<td>Montana State University -Bozeman</td>
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<td>ance <strong>Presentation Title</strong> Effects of siRNA mediated CaM Kinase inhibition on water maze perform-</td>
<td><strong>Research Mentor</strong> Dr. Mike Babcock</td>
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<td><strong>Home Institution</strong> Montana State University -Bozeman</td>
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<td><strong>Co-authors</strong> K. Bullshields, Montana State University -Bozeman; DJ. Poulson, University of Montana; A.M. Babcock, Montana State University -Bozeman</td>
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<td>Andrew Sterling</td>
<td>55</td>
<td>External Mechanical Work in Normal Human Walking: The Effects of Weight and Mass</td>
<td>Dr. Rodger Jram</td>
<td>University of Colorado at Boulder</td>
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<td><strong>Research Mentor</strong> Dr. Rodger Jram</td>
<td><strong>Research Institution</strong> University of Colorado at Boulder</td>
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<td><strong>Home Institution</strong> University of Colorado at Boulder</td>
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<td><strong>Co-authors</strong> Rodger Jram, University of Colorado at Boulder</td>
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Deandra Stewart  3  9:30 - 10:15 AM
Presentation Title Determination of Neuronal Focus for Drosophila Retained Gene Behavioral Phenotypes and Determination of Genetic Interactions between Drosophila Retained and Drosophila Fruitless
Research Mentor Dr. Michael McKeown
Research Institution Brown University
Home Institution Xavier University of Louisiana
Co-authors Troy Shirangi, Brown University; Lynn M. Ditch, University of California; Michael McKeown, Brown University

Mariam Stewart  44  10:15 - 11:00 AM
Presentation Title Weight-related Attitudes of Native Americans and White Adolescents
Research Mentor Dr. Wesley C. Lynch
Research Institution Montana State University - Bozeman
Home Institution Montana State University - Bozeman
Co-authors Wesley C. Lynch, Montana State University-Bozeman

Ryon Sun Rhodes  14  10:15 - 11:00 AM
Presentation Title Regional Distribution of Activated Microglia Following Penetrating Brain Lesion
Research Mentor Dr. Charles M. Paden
Research Institution Montana State University - Bozeman
Home Institution Montana State University - Bozeman
Co-authors Pam A. Fry, Montana State University - Bozeman; Anat Biegon, Dept. of Functional Imaging, Lawrence Berkeley National Laboratory; Charles M. Paden, Montana State University - Bozeman

Shauna Tanner  48  10:15 - 11:00 AM
Presentation Title In Search of a Human B2
Research Mentor Dr. James A. Goodrich
Research Institution University of Colorado at Boulder
Home Institution Tougaloo College
Co-authors Peter D. Mariner, University of Colorado at Boulder; James A. Goodrich, University of Colorado at Boulder

Tara Taylor  112  10:15 - 11:00 AM
Presentation Title Force Transmission, Compliance and Viscoelasticity are altered in Skeletal Muscles of the Alpha 7 Integrin-null Mice
Research Mentor Aladin Boriek
Research Institution Baylor College of Medicine
Home Institution Michael A. Lopez
Co-authors Baylor College of Medicine; Ulrike Mayer, Wellcome Trust Center; Willy Hwang, Wellcome Trust Center; Aladin Boriek, Baylor College of Medicine

Techecia Thomas  78  10:15 - 11:00 AM
Presentation Title Transcriptional short-range repression mediated by knirps-CtBP complex in the Drosophila embryo
Research Mentor Dr. Yutaka Nibu
Research Institution Weill Graduate School of Medical Sciences of Cornell University
Home Institution Xavier University of Louisiana
Co-authors April McCullough, Cornell University; Yutaka Nibu, Weill Graduate School of Medical Sciences of Cornell University

Evelyn Torres  18  10:15 - 11:00 AM
Presentation Title Is spending time together important for couples under stress?
Research Mentor Dr. Patrick Shrout and Dr. Niall Bolger
Research Institution New York University
Home Institution CSU Northridge
Co-authors Patrick Shrout, New York University; Niall Bolger, New York University

Simon Trevino  24  10:15 - 11:00 AM
Presentation Title Lecithin: Retinol Acyl Transferase in ARPE-19
Research Mentor Dr. Dong Feng Chen
Research Institution Harvard University
Home Institution University of Texas at San Antonio
Co-authors Andrew Tsin, Harvard University; Dong Feng Chen, Harvard University
Lissette Vega  91  9:30 - 10:15 AM  
**Presentation Title**  Regulation of alpha IIb beta 3 outside-in signaling pathways by eph kinases/ephrins in human platelets  
**Research Mentor**  Dr. Lawrence F. Brass  
**Research Institution**  University of Pennsylvania  
**Home Institution**  UPR-Mayaguez  
**Co-authors**  Timothy J. Stalker, University of Pennsylvania; Lawrence F. Brass, University of Pennsylvania

Vania White  73  9:30 - 10:15 AM  
**Presentation Title**  How Do Cells Change in Simulated Microgravity?  
**Research Mentor**  Dr. Linda Hyman  
**Research Institution**  Montana State University -Bozeman  
**Home Institution**  Little Big Horn College  
**Co-authors**  Kathy Sheehan, Montana State University; Linda Hyman, Montana State University -Bozeman

Brianne Vialpando Gone  101  9:30 - 10:15 AM  
**Presentation Title**  Genotyping Immune Compromised Mice for Genetic Complementation Studies Involving the TBP N-terminus Maternal Rejection Response  
**Research Mentor**  Dr. Ed Schmidt  
**Research Institution**  Montana State University -Bozeman  
**Home Institution**  Montana State University -Bozeman  
**Co-authors**  Amy Sealey, Montana State University -Bozeman; Ed Schmidt, Montana State University -Bozeman

Sabrina Walborn  39  9:30 - 10:15 AM  
**Presentation Title**  SOX18 Expression in the Early Developmental Stages of Xenopus laevis  
**Research Mentor**  Dr. Michael Klymkowsky  
**Research Institution**  University of Colorado at Boulder  
**Home Institution**  University of Maryland, Baltimore County  
**Co-authors**  Chi Zhang, University of Colorado at Boulder; Michael Klymkowsky, University of Colorado at Boulder

Brandon Walker  106  10:15 - 11:00 AM  
**Presentation Title**  Investigation of Pseudomonas aeruginosa aggregates.  
**Research Mentor**  Dr. George O’Toole  
**Research Institution**  Dartmouth College  
**Home Institution**  Grambling State University  
**Co-authors**  Daniel Khadouri, Dartmouth Medical School; George O’Toole, Dartmouth Medical School

Lauren Williams  58  10:15 - 11:00 AM  
**Presentation Title**  The In Vitro Effect of Heparin on Platelets  
**Research Mentor**  Dr. Marlene Williams  
**Research Institution**  Johns Hopkins University  
**Home Institution**  Howard University  
**Co-authors**  Ladina N’galla, Johns Hopkins University; Marlene Williams, Johns Hopkins University

Felneetra Wilson 100  10:15 - 11:00 AM  
**Presentation Title**  The Effects of Hepatocellular Carcinoma Derived TGF-beta1 on Tumor Immunity  
**Research Mentor**  Dr. James D. Gorham  
**Research Institution**  Dartmouth College  
**Home Institution**  Grambling State University  
**Co-authors**  Todd F. Pearson, Dartmouth Medical School; James D. Gorham, Dartmouth Medical School

Yolonda Winfrey  41  9:30 - 10:15 AM  
**Presentation Title**  Directed Evolution of Cre Recombinase  
**Research Mentor**  Dr. Leslie Leinwand  
**Research Institution**  University of Colorado at Boulder  
**Home Institution**  Xavier University of Louisiana  
**Co-authors**  Steve Langer, University of Colorado at Boulder; Leslie Leinwand, University of Colorado at Boulder
Ling Wong  1  9:30 - 10:15 AM

**Presentation Title**  Mapping of the Transposon Insertion in the Polynucleotide Phosphorylase Gene

**Research Mentor**  Dr. Kurt Schesser

**Research Institution**  University of Miami

**Home Institution**  Brown University

**Co-authors**  Gabriela Weltman, University of Miami; Kurt Schesser, University of Miami

Raelene Yazzie  86  10:15 - 11:00 AM

**Presentation Title**  Effect of gamma-interferon on Toxoplasma gondii in murine fibroblasts, microglia and dendritic cells

**Research Mentor**  Dr. Sandra K. Halonen

**Research Institution**  Montana State University - Bozeman

**Home Institution**  Little Big Horn College

**Co-authors**  Julie Corpron, Ft. Peck Community College; Sandra K. Halonen, Montana State University Bozeman
Symposium Speakers

Danso Ako-Adjei
Cornell University

Danso Ako-Adjei is a third-year Ph.D. student in the Department of Molecular Biology and Genetics at Cornell University. His research focuses on the retroviral assembly process and the two model systems he studies are HIV-1 and Rous-Sarcoma virus. Mr. Ako-Adjei is originally from Ghana, West Africa but his home has been in New York City for more than fifteen years.

Earnestine Baker
University of Maryland, Baltimore County

Earnestine Baker joined the University of Maryland, Baltimore County (UMBC) in 1983 as Coordinator of Minority Recruitment in the Office of Admissions. Between 1987 and 1992 she served as Associate Director for Scholarships at the University. In 1992, Mrs. Baker was appointed Director of the Meyerhoff Scholarship Program, a nationally recognized program for talented students interested in pursuing terminal degrees in the sciences, mathematics, and engineering and computer science. The Meyerhoff Scholarship Program was presented as one of the Blue Ribbon Reports to Congress in October, 2003. Mrs. Baker has served as the Director of the Meyerhoff Scholarship Program at UMBC for ten years and is currently the Executive Director of the Program.

Liza Cariaga-Lo
Yale University

Liza Cariaga-Lo is currently Assistant Dean at the Yale Graduate School of Arts & Sciences and 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 educational 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.
Vanessa Northington Gamble
Tuskegee Institute

Dr. Vanessa Northington Gamble is a health policy and medical education consultant with twenty years of experience as a researcher, teacher, and administrator in issues related to health disparities and American medicine. She has been on the faculty of Johns Hopkins Bloomberg School of Public Health, University of Wisconsin-Madison School of Medicine, University of Massachusetts-Worcester School of Medicine, and Hampshire College. From 2000-2002, Dr. Gamble was vice president of the Division of Community and Minority Programs at the Association of American Medical Colleges. She has served as a resident physician at the UMass Medical Center and has published extensively in the field of medical history, including “Making a Place for Ourselves: The Black Hospital Movement, 1920-1945.” Dr. Gamble has a Ph.D. degree in history and sociology of science and an M.D. degree from the University of Pennsylvania. Her bachelor of arts degree in medical sociology and human biology is from Hampshire College. Dr. Gamble is currently the Director of Tuskegee University National Center for Bioethics in Research and Health Care.

John Fitzgerald Gates
University of Vermont

John Fitzgerald Gates has worked in higher education for seventeen years and currently serves as Chief of Staff and Special Assistant to the President and Provost at the University of Vermont. Prior to joining UVM, he served at New York University in numerous capacities, including Executive Director of Global Operations with responsibility for the management of NYU’s academic and research centers around the world, as well as for the development of new international initiatives. John holds a Bachelor of Arts degree in English from Morehouse College, a Master of Arts degree in Higher Education Administration from New York University, and is a Ph.D. candidate at the University of London, where his thesis is on “Leadership and Sensemaking in 21st Century Universities.”

Louise Hainline
Brooklyn College

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

Mark Hernandez is an associate professor of environmental engineering at the University of Colorado at Boulder and the faculty co-director of the Colorado Diversity Initiative. He is a recipient of a National Science Foundation Early Career award, and the Water Environment Foundation’s Canham award. His research interfaces classical industrial hygiene and sanitary engineering with recent advances in molecular biology. Dr. Hernandez teaches courses in environmental engineering and applied environmental microbiology. He has been the lead academic advisor for numerous PhD candidates from socioeconomic backgrounds that are traditionally underrepresented in engineering.

Glake Hill, Jr.
Jackson State University

A 1996 graduate of Tougaloo College, Dr. Glake Hill was awarded a Ph.D. in theoretical chemistry from the Computational Center for Molecular Structure and Interactions at Jackson State University in 2003. During his time at Jackson State, Dr. Hill published six articles in peer-reviewed international journals. He has received a number of awards, including the QEM Graduate Student Award and the ChemFirst scholarship. In 2002, he was selected as one of 32 students from the United States to attend a meeting of the Nobel Laureates in Chemistry in Lindau, Germany. After graduation, he received the prestigious President’s Postdoctoral Fellowship for research at the University of California, Berkeley. Finally, he is the CEO of the Foundation for Educational Excellence, a non-profit organization he started to address inadequacies of public K-12 education. He has now received an appointment as an assistant professor at his alma mater, Jackson State University.

Orville Jackson
Stanford University

Orville Joseph is originally from Fresno, California in the central San Joaquin Valley. He began his undergraduate studies at Cypress College, a community college in Orange County, CA and later transferred to UC Berkeley. Dr. Jackson received his PhD from Harvard University in the Psychology Department. His research focuses on the neural bases of learning and memory, primarily using behavioral experiments and neuroimaging studies.
Donald Joseph  
Columbia University

In 1994, Donald Joseph received his undergraduate degree in biology from Medgar Evers College of the City of New York. Two years later he was awarded his M.S. in neuroscience and physiology from City College of the City University of New York. After his studies at City College, he moved to the National Institutes of Health on a pre-doctoral fellowship. In 2000, he enrolled in a Ph.D. program at the Center for Neurobiology and Behavior at Columbia University. Mr. Joseph is particularly interested in the role of glutamate receptors in development of pain circuitry, and his dissertation seeks to understand the role of calcium-permeable kainite receptors in synapse formation between c-fiber type dorsal root ganglion neurons and their synaptic partners in the spinal cord dorsal horn.

Otherine Neisler  
St. Joseph’s College

Dr. Neisler received her B.A. in Political Science from Brandeis University, a M.A. in Special Education from Fairfield University and a Ph.D. in Instructional Design, Development and Evaluation from Syracuse University. Dr. Neisler has taught at the high school, undergraduate and graduate levels including positions in Newton and Boston, Massachusetts, Boston College Lynch School of Education and Yale University. At present she leads a faculty of 25 in the exploration of teaching and research requirements for maximizing the academic achievement of all urban children. Her research interests include faculty diversity and development, social studies education, qualitative research methodologies, and education for social justice.

Esther Obeng  
University of Miami

After earning a B.S. in Biology from the University of Miami, Ms. Obeng entered a Ph.D. program at the University of Miami School of Medicine. Her mentor is Dr. Lawrence Boise in the Department of Microbiology and Immunology. The Boise laboratory studies mechanisms of apoptosis and Ms. Obeng’s project involves determining the mechanism of action of a new class of drug, proteasome inhibitors, in the treatment of the malignancy multiple myeloma.
Joel Oppenheim
New York University School of Medicine

Joel D. 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. Presently Dr. Oppenheim serves as the Senior Associate Dean for Biomedical Sciences, at NYU School of Medicine, a position that oversees all student research (PhD, MD/PhD, the Honors Program in Medicine, and all summer programs) 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 Science, and is active on the Medical School’s Academic Affairs, Curriculum, Housing, and Residential Life Committees. He is the founder and director of the NYU’s Summer Undergraduate Research Program and is also responsible for recruiting students to all NYU School of Medicine programs.

David Redman
Princeton University

David 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. Currently, he 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 (Humanities and Social Sciences, and the Woodrow Wilson School of Public and International Affairs) at Princeton University.

Checo J. Rorie
New York University

Checo J. Rorie received his B.S. degree in biology from Clark Atlanta University in 1998. As an undergraduate, he was a MARC scholar and participated in the Leadership Alliance. Dr. Rorie recently received his Ph.D. in Toxicology at the University of North Carolina at Chapel Hill. He is currently a Postdoc Research Assistant at New York University under the direction of James Borowiec, Ph.D., in the Biochemistry Department. His current research is in the area of cancer and focuses on the role nucleolin and MDM2 play in the p53 tumor suppressor response to the genotoxic stress of cells. He plans to continue research in the field of cancer research, and focus on teaching and inspiring more young scientists, especially minorities, to pursue the area of biomedical and cancer research.
Traci Schlesinger
Princeton University

Traci Schlesinger received her B.A. in Sociology from Fordham University and is currently working on her Ph.D. in the Sociology Department at Princeton University. Her dissertation examines the strengths and limitations of colorblind anti-discrimination policies by analyzing the relationships between the adoption of determinate sentencing policies and changes and continuities in the size and composition of the incarcerated population. Ms. Schlesinger is the recipient of numerous awards including a Dissertation Improvement Grant from the National Science Foundation, a Summer Fellowship from Princeton University’s Program in American Studies, and a Dissertation Support Award from Princeton University’s African American Studies Program.

Audra Simpson
Cornell University

Audra Simpson is currently a Provost’s Academic Diversity Postdoctoral Fellow at Cornell University, and will commence a tenure-track position as Assistant Professor in the Department of Anthropology and the American Indian Program at Cornell in January, 2005. She earned a B.A. from Concordia University, and a MA. and Ph.D. from the Department of Anthropology at McGill University. Her dissertation, “To the Reserve and Back Again: Kahnawake Mohawk Narratives of Self, Home and Nation” is a cross-border, ethnographic examination of the cultural contours of citizenship and nationhood among Kahnawake Mohawks. Her dissertation research and write-up were supported by the Fulbright Foundation, the National Aboriginal Achievement Foundation, Dartmouth College and the American Anthropological Association. A Kahnawake Mohawk, her interests reside in nationalism, citizenship, colonialism, borders (US-Canada) and narrative.

Brian D. Smedley
Institute of Medicine

Currently a Senior Program Officer in the Division of Health Sciences Policy of the Institute of Medicine (IOM), Brian Smedley most recently served as Study Director for the IOM reports, In the Nation’s Compelling Interest: Ensuring Diversity in the Health Care Workforce and Unequal Treatment: Confronting Racial and Ethnic Disparities in Health Care. He came to the IOM from the American Psychological Association, where he worked on a wide range of social, health, and education policy topics in his capacity as Director for Public Interest Policy. Among his awards and distinctions, Dr. Smedley was awarded the National Academy of Sciences’ Individual Staff Award for Distinguished Service, the Congressional Black Caucus ‘Healthcare Hero’ award in April, 2002, and in August, 2002, was awarded the Early Career Award for Distinguished Contributions to Psychology in the Public Interest by the American Psychological Association.
Laurel Southard  
Cornell University

Laurel Southard is the Director of Undergraduate Research in Biology at Cornell University. She directs the Cornell Hughes Scholars 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 a 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 in 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. Her current interests are infectious disease and nurturing passion for science in all people.

Jocelyn Spragg  
Harvard University

Jocelyn Spragg is the Faculty Director of Minority Programs and Special Academic Resources in the Ph.D. programs office at Harvard Medical School. She received a B.A. from Smith College, Ph.D. from Harvard University in Bacteriology and Immunology, and Ed.M. in Counseling Psychology from Boston University. Prior to 1990, her research interests included mediators of inflammatory reactions, biochemistry of the kallikrein systems, clotting mechanisms and related areas. Since 1990, her career interests have focussed on career and academic counseling and the development and administration of programs and curricula to encourage women and members of under-represented minorities to consider careers in sciences. Dr. Spragg is the developer and director of the Summer Honors Undergraduate Research Program and the faculty administrative advisor to the Four Direction Summer Research Program.
Claudina Stevenson
Harvard University

Dr. Stevenson is an Instructor in Medicine in the Department of Cancer Biology at the Dana-Farber Cancer Institute. In her role as instructor, she will pursue her research interests of elucidating the role of ABC transporter drug efflux pumps in multidrug resistant breast cancer. In her role as Inaugural Director of the Postdoc Office, she will be responsible for creating and providing a conducive environment to support and prepare postdocs for successful careers. Dr. Stevenson obtained her Ph.D. in Biochemistry and Molecular Biology from Louisiana State University studying the molecular evolution of Alu, short interspersed repeated elements. While at NIH/NCI she also served as Chair of the Center for Cancer Research - Fellows and Young Investigators Association in NIH, and helped organized the postdoctoral retreat in 2002 to provide presentation experience and educational workshops for over 400 postdocs in attendance. Dr. Stevenson was a founding member on the Steering Committee of the National Postdoctoral Association. She currently holds a position in the NPA Executive board and Chairs the Outreach Committee.

Robert E. Thomas
University of Florida

Robert E. Thomas is Associate Professor of Business Law and Legal Studies, and Huber Hurst Fellow in the Warrington College of Business Department of Management at the University of Florida and Invited Professor at the Institut D’Administration Des Entreprises D’Aix-en-Provence, France. He is an expert in the areas of conflict resolution, conflict management, negotiation and technology law and has published multiple articles in these areas. Prior to his University of Florida appointment, Professor Thomas held dual faculty appointments in the University of Michigan Business School and the University of Michigan Department of Economics. In 1999, Professor Thomas was the Whitney Young Visiting Professorship of Legal Studies at the Wharton School of Business at the University of Pennsylvania. His current research examines the behavior of negotiators who represent diverse constituencies. A graduate of Princeton University with honors in economics, Dr. Thomas received his J.D. and Ph.D. in economics from Stanford University.
Rod Ulane
New York University

Rod Ulane was born and raised in Chicago, Illinois and earned his B.A. in biology from Saint Mary’s College, Minnesota. He earned his M.S. and Ph.D. degrees in microbiology from Southern Illinois University, working with Carl C. Lindegren and Maurice Ogur in yeast genetics. He was a post-doctoral fellow at the NIH in the Arthritis Institute where he studied yeast morphogenesis and developmental biology. In 1977, Dr. Ulane became a senior tenured scientist at the NIH in the Laboratory of Developmental Biology of the National Institute of Child Health and Human Development, studying the hormonal control of lung surfactant synthesis during fetal development. He joined the National Institute of General Medical Sciences in 1984 where he was responsible for overseeing pre- and post-doctoral research training supported by the NIH. From 1991 until 2004, he served as Associate Dean of the Medical Scientist Training Program at the University of Texas Southwestern Medical. In February of this year, he joined the New York University School of Medicine Faculty as Associate Dean for Biomedical Research Education and as Director of the MD/PhD Program.

Vanessa Watts
Harvard University

Vanessa Watts is a member of the Crow tribe and a descendant of the Blackfeet nation of Montana. In May 2002, she was awarded a B.S. in biomedical science from Montana State University in May. Currently, she is a graduate student in the department of epidemiology at the Harvard School of Public Health. She plans to pursue a research career addressing disparities in American Indian health.

Valerie P. Wilson
Leadership Alliance

On July 1, 2003, Valerie P. Wilson assumed her position as Executive Director of the Leadership Alliance. 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. Dr. Wilson 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 addition to her duties as Executive Director of the Leadership Alliance, Dr. Wilson also holds an appointment as Clinical Professor of Community Health at Brown University.
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JustGarciaHill.org, in partnership with the Leadership Alliance, is pleased to offer you the opportunity to become part of a growing community. JustGarciaHill.org, a virtual community for minorities in the sciences, is the largest portal for minority scientists designed to provide mentoring and networking resources at all levels in the pipeline. Please visit the booth near the Leadership Alliance registration table to join this vibrant organization of scientists and take advantage of the networking and professional development opportunities offered by JustGarciaHill.org.

The site contains a large searchable database of minority scientists as well as biographies of junior and senior scientists. Career resources on the site include listings of jobs for postdocs and above, research opportunities for students, and listings of scientific meetings. You’ll have access to an emagazine that offers interesting articles on career development and health disparities, profiles of minorities in science and discussion forums. Listserv groups are being developed that will allow you to participate in moderated career development discussions.

Note: You may also win a ZIRE Palm Pilot or a USB Flash Drive when you register!
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Checking Out of Westfields

Procedure for checking out of conference center on Sunday morning, August 1

A check-out folio will be delivered to your room on Saturday night. Review the bill carefully and if it is correct, you do not have to check out at the front desk on Sunday morning. All rooms must be vacated by 11:00 AM on Sunday. Please ask one of the bellmen to store your luggage until you are ready to depart from the conference center.