41TH ANNUAL

HONORS DAY

IN PROUD RECOGNITION OF OUR DSU STUDENTS

APRIL 3, 2014

SCHEDULE OF STUDENT RESEARCH PRESENTATIONS

2 p.m. – 4:30 p.m.
Bank of America Building

“With Honor & Distinction”
STUDENT LOCATOR

Gina Accumanno ................................................................. Page 9: Room 217 at 3:45 p.m.
Ayobami Adeleke ............................................................... Page 2: Room 213 at 3:15 p.m.
Nkoli Agbazue ................................................................. Page 8: Room 111 at 4:00 p.m.
Lester Andersrson ............................................................. Page 2: Room 213 at 4:15 p.m.
Sunita Balgobin............................................................... Page 5: Room 208 at 2:45 p.m.
Michaela Barnett ............................................................. Page 11: Room 205 at 4:15 p.m.
Nikole Benjamin .............................................................. Page 2: Room 213 at 2:15 p.m.
Shanice Bennett ............................................................... Page 8: Room 111 at 4:15 p.m.
Isaiah Brooks ............................................................... Page 1: Room 206 at 3:30 p.m.
Courtney Brown .............................................................. Page 10: Room 105 at 3:30 p.m.
Nicole Brown ............................................................... Page 2: Room 213 at 2:30 p.m.
Nicketa Burnett ............................................................... Page 7: Room 104 at 2:30 p.m.
Daniel Caballero ............................................................. Page 3: Room 301 at 2:00 p.m.
Nicholas Calvano ........................................................... Page 3: Room 301 at 3:45 p.m.
Jesus Cardenas ............................................................... Page 9: Room 217 at 3:15 p.m.
Crystal Clark ............................................................... Page 8: Room 111 at 2:15 p.m.
Christopher Collins ....................................................... Page 3: Room 301 at 3:15 p.m.
Yanique Conie ............................................................... Page 8: Room 111 at 2:00 p.m.
Crystal Connelly ............................................................. Page 11: Room 205 at 2:00 p.m.
Jamia Cooper ............................................................... Page 1: Room 206 at 2:00 p.m.
Janae Cosby ............................................................... Page 3: Room 301 at 2:15 p.m.
Kasey Cosden ............................................................... Page 8: Room 111 at 3:45 p.m.
Thoria Custis ............................................................... Page 2: Room 213 at 4:00 p.m.
Yuwen Dai ............................................................... Page 1: Room 206 at 3:45 p.m.
Lennea Davis ............................................................... Page 4: Room 314 at 3:30 p.m.
Michael Davis .............................................................. Page 4: Room 314 at 3:00 p.m.
Christopher Debardelaben .................................................. Page 4: Room 314 at 2:30 p.m.
Kurt Deixler ............................................................... Page 3: Room 301 at 4:15 p.m.
Brandon Dogan ........................................................... Page 3: Room 301 at 3:30 p.m.
Rachell Dumornay .......................................................... Page 6: Room 201 at 2:30 p.m.
<table>
<thead>
<tr>
<th>Name</th>
<th>Page</th>
<th>Room</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jazmyn Duncan</td>
<td>6</td>
<td>201</td>
<td>3:00 p.m.</td>
</tr>
<tr>
<td>Lance W Edwards, Jr.</td>
<td>4</td>
<td>314</td>
<td>4:00 p.m.</td>
</tr>
<tr>
<td>Mercy Esuh</td>
<td>11</td>
<td>205</td>
<td>2:30 p.m.</td>
</tr>
<tr>
<td>Akida J. Ferguson</td>
<td>7</td>
<td>104</td>
<td>3:45 p.m.</td>
</tr>
<tr>
<td>Elizabeth Fiedler</td>
<td>10</td>
<td>105</td>
<td>2:30 p.m.</td>
</tr>
<tr>
<td>Delvise Fogwe</td>
<td>11</td>
<td>205</td>
<td>2:15 p.m.</td>
</tr>
<tr>
<td>Emlyne Forren</td>
<td>11</td>
<td>205</td>
<td>3:30 p.m.</td>
</tr>
<tr>
<td>Khadijah Friday</td>
<td>10</td>
<td>105</td>
<td>2:00 p.m.</td>
</tr>
<tr>
<td>Azeria R. Fussell</td>
<td>6</td>
<td>201</td>
<td>2:00 p.m.</td>
</tr>
<tr>
<td>Richard Garner</td>
<td>3</td>
<td>301</td>
<td>2:45 p.m.</td>
</tr>
<tr>
<td>Ashley Glasper</td>
<td>7</td>
<td>104</td>
<td>2:15 p.m.</td>
</tr>
<tr>
<td>Lisa Gonzalez</td>
<td>5</td>
<td>208</td>
<td>3:00 p.m.</td>
</tr>
<tr>
<td>Shauna Green</td>
<td>10</td>
<td>105</td>
<td>3:15 p.m.</td>
</tr>
<tr>
<td>Shauna Green</td>
<td>10</td>
<td>105</td>
<td>4:00 p.m.</td>
</tr>
<tr>
<td>Dearetta A. Grinnage</td>
<td>8</td>
<td>111</td>
<td>3:00 p.m.</td>
</tr>
<tr>
<td>Kim Gunik</td>
<td>1</td>
<td>206</td>
<td>2:15 p.m.</td>
</tr>
<tr>
<td>Eunice Handy</td>
<td>7</td>
<td>104</td>
<td>3:30 p.m.</td>
</tr>
<tr>
<td>Tamika Hare</td>
<td>7</td>
<td>104</td>
<td>2:00 p.m.</td>
</tr>
<tr>
<td>Quinika Hawkins</td>
<td>7</td>
<td>104</td>
<td>4:15 p.m.</td>
</tr>
<tr>
<td>Devon Holmes</td>
<td>5</td>
<td>208</td>
<td>3:45 p.m.</td>
</tr>
<tr>
<td>Sherron Howard</td>
<td>2</td>
<td>213</td>
<td>2:45 p.m.</td>
</tr>
<tr>
<td>Jamil Huggins</td>
<td>9</td>
<td>217</td>
<td>4:15 p.m.</td>
</tr>
<tr>
<td>Salihah Hughson</td>
<td>5</td>
<td>208</td>
<td>4:15 p.m.</td>
</tr>
<tr>
<td>Charles Hunter</td>
<td>1</td>
<td>206</td>
<td>3:15 p.m.</td>
</tr>
<tr>
<td>Leon Hunter</td>
<td>11</td>
<td>205</td>
<td>3:15 p.m.</td>
</tr>
<tr>
<td>Jere’ Hutson</td>
<td>9</td>
<td>217</td>
<td>4:00 p.m.</td>
</tr>
<tr>
<td>Sonya Inderbitzin</td>
<td>8</td>
<td>111</td>
<td>3:30 p.m.</td>
</tr>
<tr>
<td>Jazmin James</td>
<td>11</td>
<td>205</td>
<td>2:45 p.m.</td>
</tr>
<tr>
<td>Samuel Jenifer</td>
<td>2</td>
<td>213</td>
<td>3:00 p.m.</td>
</tr>
<tr>
<td>Ashley Johnson</td>
<td>7</td>
<td>104</td>
<td>3:00 p.m.</td>
</tr>
<tr>
<td>Craig H. Johnson</td>
<td>1</td>
<td>206</td>
<td>2:30 p.m.</td>
</tr>
</tbody>
</table>
Nichole Romanik

Jasmine Johnson ................................................................. Page 5: Room 208 at 2:15 p.m.
Myles Johnson-Gray ............................................................ Page 11: Room 205 at 4:00 p.m.
Amber Jones ................................................................. Page 6: Room 201 at 2:15 p.m.
Travis Jones ................................................................. Page 9: Room 217 at 3:30 p.m.
Jaskirandeep Kaur ............................................................... Page 10: Room 105 at 2:15 p.m.
Roderick King ................................................................. Page 10: Room 105 at 3:00 p.m.
Melinda Leager ................................................................. Page 5: Room 208 at 3:15 p.m.
Haotian Lei ................................................................. Page 4: Room 314 at 3:15 p.m.
Atish Malik ................................................................. Page 11: Room 205 at 3:45 p.m.
Dorian McDonald ............................................................... Page 6: Room 201 at 3:30 p.m.
Simone D. Mckellar ............................................................ Page 8: Room 111 at 2:45 p.m.
Quantrell Mckissick .............................................................. Page 9: Room 217 at 3:00 p.m.
Brianna Merritt ................................................................. Page 2: Room 213 at 3:30 p.m.
Avery Miller ................................................................. Page 3: Room 301 at 4:00 p.m.
Jasmyn Montgomery ............................................................ Page 2: Room 213 at 2:00 p.m.
Douglas Mullen ................................................................. Page 10: Room 105 at 2:45 p.m.
Charles Mungai ................................................................. Page 7: Room 104 at 3:15 p.m.
Jasmine Nathaniel ............................................................... Page 2: Room 213 at 3:45 p.m.
Tanjia Nelson ................................................................. Page 5: Room 208 at 3:30 p.m.
Jason Owens ................................................................. Page 4: Room 314 at 2:00 p.m.
Sydney Pearsall ................................................................. Page 6: Room 201 at 2:45 p.m.
Kelly Pelz-Butler ............................................................... Page 7: Room 104 at 4:00 p.m.
Natasha C. Peoples ............................................................. Page 1: Room 206 at 4:00 p.m.
Donnice Peterson ............................................................... Page 6: Room 201 at 3:45 p.m.
Folawiyo Popoola ............................................................... Page 3: Room 301 at 3:00 p.m.
Alexis Press ................................................................. Page 6: Room 201 at 4:15 p.m.
James Pressley ................................................................. Page 4: Room 314 at 3:45 p.m.
Rosalyn Primus ................................................................. Page 11: Room 205 at 3:00 p.m.
Ashleigh J. Redd ............................................................... Page 9: Room 217 at 2:45 p.m.
Chelsea Reid ................................................................. Page 6: Room 201 at 3:15 p.m.
Nichole Romey ................................................................. Page 5: Room 208 at 4:15 p.m.
Rebecca Sahraoui ................................................................. Page 8: Room 111 at 3:15 p.m.
Emine Salman ........................................................................ Page 8: Room 111 at 2:30 p.m.
Stefani Sanders ..................................................................... Page 10: Room 105 at 4:15 p.m.
Lauren Scott ............................................................................. Page 5: Room 208 at 2:00 p.m.
Bria C. Shelton ........................................................................ Page 5: Room 208 at 4:00 p.m.
Miranda Spina ........................................................................ Page 4: Room 314 at 2:45 p.m.
Ashley Stevenson ..................................................................... Page 4: Room 314 at 4:15 p.m.
Sydney Sudler ........................................................................ Page 7: Room 104 at 2:45 p.m.
Fatimah Thomas ..................................................................... Page 5: Room 208 at 2:30 p.m.
Aaron Villete ........................................................................... Page 3: Room 301 at 2:30 p.m.
Kristopher J. Walden ............................................................. Page 9: Room 217 at 2:30 p.m.
Sean Walker ............................................................................. Page 6: Room 201 at 4:00 p.m.
Lei Wang .................................................................................... Page 9: Room 217 at 2:00 p.m.
Jebari Weekes .......................................................................... Page 4: Room 314 at 2:15 p.m.
T'Nay Williams .......................................................................... Page 10: Room 105 at 3:45 p.m.
Eric Woodland ......................................................................... Page 1: Room 206 at 2:45 p.m.
Travon J. Wooten ..................................................................... Page 1: Room 206 at 3:00 p.m.
Zhengliang Yuan ...................................................................... Page 9: Room 217 at 2:15 p.m.
<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Presenter Name</th>
<th>Faculty Advisor</th>
</tr>
</thead>
<tbody>
<tr>
<td>2:00-2:15</td>
<td>The Reliability of Financial Stress Indexes Utilized in the United States</td>
<td>Jamia Cooper</td>
<td>Dr. Jan E. Christopher</td>
</tr>
<tr>
<td>2:15-2:30</td>
<td>The International Strategy of Citibank</td>
<td>Kim Gunik</td>
<td>Dr. Jan E. Christopher</td>
</tr>
<tr>
<td>2:30-2:45</td>
<td>JPMorgan Chase: Expanding In Today's Economy</td>
<td>Craig H. Johnson</td>
<td>Dr. Jan E. Christopher</td>
</tr>
<tr>
<td>2:45-3:00</td>
<td>The Downside of Bank of America</td>
<td>Eric Woodland</td>
<td>Dr. Jan E. Christopher</td>
</tr>
<tr>
<td>3:00-3:15</td>
<td>History and Growth of Public Trading and Its Effects on the Economy</td>
<td>Travon J. Wooten</td>
<td>Dr. Jan E. Christopher</td>
</tr>
<tr>
<td>3:15-3:30</td>
<td>TD Bank's Decision to Acquire the Southern Financial Group</td>
<td>Charles Hunter</td>
<td>Dr. Jan E. Christopher</td>
</tr>
<tr>
<td>3:30-3:45</td>
<td>Bank of America: Bettering Our Financial Lives</td>
<td>Isaiah Brooks</td>
<td>Dr. Jan E. Christopher</td>
</tr>
<tr>
<td>3:45-4:00</td>
<td>CitiBank: Launching the Credit Card in Asia Pacific Countries</td>
<td>Yuwen Dai</td>
<td>Dr. Jan E. Christopher</td>
</tr>
<tr>
<td>4:00-4:15</td>
<td>The History and Future of Money</td>
<td>Natasha C. Peoples</td>
<td>Dr. Jan E. Christopher</td>
</tr>
</tbody>
</table>
Student Paper Presentations - Session II
Bank of America Building Room 213
Presiding: Dr. Charlie Wilson, Department of Biological Sciences

2:00-2:15  Using an Intercultural Class to Enhance Global Competence: A Student Learning Evaluation
Presenter Name: Jasmyn Montgomery
Faculty Advisor: Dr. Raymond Tutu

2:15-2:30  Challenges of Developing Colombia
Presenter Name: Nikole Benjamin
Faculty Advisor: Dr. Dorothy Dillard

2:30-2:45  Screening Neurotoxicity of Pesticides Used in the U.S. in Parkinson's Disease In Vitro Model
Presenter Name: Nicole Brown
Faculty Advisor: Dr. Y. Hwan Kim

2:45-3:00  Dissolvable Microneedle Patches for Transdermal Drug Delivery (TDD) of Cardiovascular Biotherapeutics
Presenter Name: Sherron Howard
Faculty Advisor: Dr. Cherese Winstead

3:00-3:15  Biopolymer Functionalized Nanodiamonds
Presenter Name: Samuel Jenifer
Faculty Advisor: Dr. Cherese Winstead

3:15-3:30  The Chemical Modification of Chitosan for Nanofiber Construct
Presenter Name: Ayobami Adeleke
Faculty Advisor: Dr. Cherese Winstead

3:30-3:45  Engineered Nanoparticles in Cosmetics: Are They Safe?
Presenter Name: Brianna Merritt
Faculty Advisor: Dr. Daniela Radu

3:45-4:00  Electrochemical Reductive Grafting Studies of Gold (III) Diazonium [Br-4-C6H4N≡N]AuCl4 Complex
Presenter Name: Jasmine Nathaniel
Faculty Advisor: Dr. Bizuneh Workie

4:00-4:15  The Effects of an Imbalanced pH on the Earths Water Systems
Presenter Name: Thoria Custis
Faculty Advisor: Dr. Mukta Hendi

4:15-4:30  Renewable Solid Supported Catalyst for Biodiesel Synthesis
Presenter Name: Lester Andesrson
Faculty Advisor: Dr. Cheng-Yu Lai
Student Paper Presentations - Session III
Bank of America Building Room 301
Presiding: Dr. Aristides Marcano, Department of Physics and Engineering

2:00-2:15  Photothermal mirror determination of thermal diffusivity of transparent and non-transparent samples
Presenter Name: Daniel Caballero
Faculty Advisor: Dr. Aristides Marcano

2:15-2:30  Absorption characterization of metallic colloids
Presenter Name: Janae Cosby
Faculty Advisor: Dr. Aristides Marcano

2:30-2:45  Photothermal lens characterization of nanodiamonds samples
Presenter Name: Aaron Villete
Faculty Advisor: Dr. Aristides Marcano

2:45-3:00  Development of high resolution carbon dioxide and water vapor greenhouse gas sensor
Presenter Name: Richard Garner
Faculty Advisor: Dr. Mohammad Amir Khan

3:00-3:15  Absorption Spectroscopy and Multivariate Data Analysis of the Biological Samples
Presenter Name: Folawiyo Popoola
Faculty Advisor: Dr. Yuri Markushin

3:15-3:30  Laser Induced Breakdown Spectroscopy of Micro-Particle Compositions for Assay Development
Presenter Name: Christopher Collins
Faculty Advisor: Dr. Yuri Markushin

3:30-3:45  Finite-Difference Time-Domain simulations of metamaterials
Presenter Name: Brandon Dogan
Faculty Advisor: Dr. Jinjie Liu

3:45-4:00  Design & Development of a Polarization Imaging Scheme for a Scanning LADAR System
Presenter Name: Nicholas Calvano
Faculty Advisor: Dr. Renu Tripathi

4:00-4:15  Determination of nanofiber Young's modulus using Atomic Force Microscopy
Presenter Name: Avery Miller
Faculty Advisor: Dr. Wafa Amir

4:15-4:30  Characterization of electrospun PLLA and PCL nanofiber membranes
Presenter Name: Kurt Deixler
Faculty Advisor: Dr. Dula Man
Student Paper Presentations - Session IV
Bank of America Building Room 314
Presiding: Dr. Hacene Boukari, Department of Physics and Engineering

2:00-2:15  
Design and Simulation of a Two Cavity Uncooled Infrared Detector
Presenter Name: Jason Owens
Faculty Advisor: Dr. Mukti Rana

2:15-2:30  
Characterization of Semiconducting Thin Films using LabView Data Acquisition Software
Presenter Name: Jebari Weekes
Faculty Advisor: Dr. Mukti Rana

2:30-2:45  
Control of a laser profile using Adaptive Optics
Presenter Name: Christopher Debardelaben
Faculty Advisor: Dr. Thomas Planchon

2:45-3:00  
Novel Light Sheet Microscope For Live Cell Imaging
Presenter Name: Miranda Spina
Faculty Advisor: Dr. Thomas Planchon

3:00-3:15  
Radiative Recombination
Presenter Name: Michael Davis
Faculty Advisor: Dr. Hacene Boukari

3:15-3:30  
Total Internal Reflection Fluorescence Study Of Movements Of Beads Near A Glass Surface
Presenter Name: Haotian Lei
Faculty Advisor: Dr. Hacene Boukari

3:30-3:45  
Determination of Viscosities of Aqueous Solutions of Polyethylene Glycol as a Crowding Agent Using Single Particle Tracking
Presenter Name: Lennea Davis
Faculty Advisor: Dr. Qi Lu

3:45-4:00  
Characterization of Gold Nanoparticles Using Contact Mode of AFM
Presenter Name: James Pressley
Faculty Advisor: Dr. Qi Lu

4:00-4:15  
The Impact of Gold Nanoparticles on the Packing of Lipid Bilayers
Presenter Name: Lance W Edwards, Jr.
Faculty Advisor: Dr. Qi Lu

4:15-4:30  
Qualitative Electrochemical Reductive Grafting Studies of Gold (III) Diazonium CN-4-C6H4N≡N|AuCl4 Complex
Presenter Name: Ashley Stevenson
Faculty Advisor: Dr. Bizuneh Workie
Student Paper Presentations - Session V  
Bank of America Building Room 208  
Presiding: Dr. Sabrina McGary, Department of Biological Sciences

2:00-2:15  
**Associating Cartoon Oriented Characters to the Color-Spectrum in order to Enhance Students' Ability to Memorize a Variety of Colors**  
Presenter Name: Lauren Scott  
Faculty Advisor: Dr. Hazel Bradshaw-Young

2:15-2:30  
**Prostate Cancer Screening Disparities in Delaware**  
Presenter Name: Jasmine Johnson  
Faculty Advisor: Dr. Sangeeta Gupta

2:30-2:45  
**Recidivism: The Number One Crime**  
Presenter Name: Fatimah Thomas  
Faculty Advisor: Dr. Dolores Finger-Wright

2:45-3:00  
**The Impact of Sex Trafficking in India**  
Presenter Name: Sunita Balgobin  
Faculty Advisor: Dr. Michael S. Balliro

3:00-3:15  
**Issues Related to Female Genital Mutilation**  
Presenter Name: Lisa Gonzalez  
Faculty Advisor: Dr. Michael S. Balliro

3:15-3:30  
**Violent Unrest in the Congo**  
Presenter Name: Melinda Leager  
Faculty Advisor: Dr. Michael S. Balliro

3:30-3:45  
**Commercial Representation of Women in the Middle East**  
Presenter Name: Tanjia Nelson  
Faculty Advisor: Dr. Michael S. Balliro

3:45-4:00  
**Healthcare Needs in the Horn of Africa**  
Presenter Name: Devon Holmes  
Faculty Advisor: Dr. Michael S. Balliro

4:00-4:15  
**Nutrition Needs in the Horn of Africa**  
Presenter Name: Bria C. Shelton  
Faculty Advisor: Dr. Michael S. Balliro

4:15-4:30  
**Role of Religion and Spirituality in Relation to African American Undergraduate Retention Rate**  
Presenter Name: Salihah Hughson and Nichole Romey  
Faculty Advisor: Dr. Brian Friel
Student Paper Presentations - Session VI
Bank of America Building Room 201
Presiding: Dr. Francine Edwards, Department of Mass Communications

2:00-2:15  Salem Witch Trails  
Presenter Name: Azeria R. Fussell  
Faculty Advisor: Dr. Sonya McCray

2:15-2:30  Should We Live Together First?: An Analysis of Marriage Trends and Attitudes among African American college students  
Presenter Name: Amber Jones  
Faculty Advisor: Dr. Darla Scott

2:30-2:45  Teaching Students to Identify Emotions with the use of a Color Spectrum  
Presenter Name: Rachell Dumornay  
Faculty Advisor: Dr. Hazel Bradshaw-Young

2:45-3:00  Causing A Change: An investigation of how grassroots campaigns can help to eradicate the pirating of designer clothing  
Presenter Name: Sydney Pearsall  
Faculty Advisor: Dr. Francine Edwards

3:00-3:15  The Impact Integrated Marketing Communications have on Nonprofit Organizations  
Presenter Name: Jazmyn Duncan  
Faculty Advisor: Dr. Francine Edwards

3:15-3:30  An Analysis of the Impact of Public Relations on the Sustainability of Independently Owned Businesses  
Presenter Name: Chelsea Reid  
Faculty Advisor: Dr. Francine Edwards

3:30-3:45  A Closer Look at the Implication of Social Media in Crisis Preparedness  
Presenter Name: Dorian McDonald  
Faculty Advisor: Dr. Francine Edwards

3:45-4:00  An Investigation of How Corporations Implement Corporate Social Responsibility  
Presenter Name: Donnice Peterson  
Faculty Advisor: Dr. Francine Edwards

4:00-4:15  The portrayal of African American Men in Hollywood Films  
Presenter Name: Sean Walker  
Faculty Advisor: Dr. Myna German

4:15-4:30  Media Influences Within Today's Youth  
Presenter Name: Alexis Press  
Faculty Advisor: Dr. Victor N. Gomia
Student Paper Presentations - Session VII
Bank of America Building Room 104
Presiding: Dr. Gulnihal Ozbay, Department of Agriculture & Natural Resources

2:00-2:15   UV Irradiation Effects on PCR amplification of DNA from Porcine Blood
            Presenter Name: Tamika Hare
            Faculty Advisor: Dr. Clytrice Watson

2:15-2:30   IGF Receptor and TRPV Channel Interactions in Prostate Carcinoma
            Presenter Name: Ashley Glasper
            Faculty Advisor: Dr. Cynthia van Golen

2:30-2:45   Steroid Hormone Function in Human Neuroblastoma Cell Line
            Presenter Name: Nicketa Burnett
            Faculty Advisor: Dr. Cynthia van Golen

2:45-3:00   IGF-1 and WISP3 (LIBC) in Inflammatory Breast Cancer
            Presenter Name: Sydney Sudler
            Faculty Advisor: Dr. Cynthia van Golen

3:00-3:15   Viability analysis of genetically re-engineered human genes
            Presenter Name: Ashley Johnson
            Faculty Advisor: Dr. Eric B. Kmiec

3:15-3:30   Efficacy of Single Comb White Leghorn Hens for Controlling Various Insect Species Populations in Bush Snap Bean Plots
            Presenter Name: Charles Mungai
            Faculty Advisor: Dr. Brigid A. McCrea

3:30-3:45   Monitoring Imported Tilapia Fillets for Heavy Metals, As, Pb, Cd and Hg, in the Mid-Atlantic Region
            Presenter Name: Eunice Handy
            Faculty Advisor: Dr. Gulnihal Ozbay

3:45-4:00   Determining The Effect of Phragmites australis on Blue crab, Callinectes sapidus Survival in Blackbird Creek, Delaware
            Presenter Name: Akida J. Ferguson
            Faculty Advisor: Dr. Gulnihal Ozbay

4:00-4:15   Managerial, Visitor Services, and Preservation Practices of Wildlife in All Aspects of a National Wildlife Refuge at the Patuxent Research Refuge
            Presenter Name: Kelly Pelz-Butler
            Faculty Advisor: Dr. Gulnihal Ozbay

4:15-4:30   Colorectal Cancer Screening in a Primary Care Setting
            Presenter Name: Quinika Hawkins
            Faculty Advisor: Dr. Domingo Aviado, MD
Student Paper Presentations - Session VIII
Bank of America Building Room 111
Presiding: Dr. Karl Miletti, Department of Biological Sciences

2:00-2:15  Role of IL-1β in the Efficacy of Erlotinib-based Chemotherapy in Head and Neck Cancer
           Presenter Name: Yanique Conie
           Faculty Advisor: Dr. Andreen Simons-Burnett

2:15-2:30  Role of gsa-1 in C. elegans Behavioral Plasticity
           Presenter Name: Crystal Clark
           Faculty Advisor: Dr. Harb S. Dhillon

2:30-2:45  Developmental and behavioral characterization of gpa-16, a Gα coding gene expressed in early embryogenesis
           Presenter Name: Emine Salman
           Faculty Advisor: Dr. Harb S. Dhillon

2:45-3:00  Effect of post-translational modification of the CD44-ICD on its signal transduction function.
           Presenter Name: Simone D. Mckellar
           Faculty Advisor: Dr. Karl E. Miletti

3:00-3:15  CD44 intracytoplasmic domain (CD44-ICD)-mediated gene regulation in breast cancer cells
           Presenter Name: Dearetta A. Grinnage
           Faculty Advisor: Dr. Karl E. Miletti

3:15-3:30  A survey of RAS mutations in Costello Syndrome patients and non-syndromic patients with embryonal rhabdomyosarcoma reveals diversity of mutations
           Presenter Name: Rebecca Sahraoui
           Faculty Advisor: Dr. Katia Sol-Church

3:30-3:45  Novel HIV-1 Encoded miRNAs: Role in Chronic Immune Activation
           Presenter Name: Sonya Inderbitzin
           Faculty Advisor: Dr. Mark A. Bernard

3:45-4:00  Role of metabotropic glutamate receptor pathway in intracellular calcium elevation in astrocytes
           Presenter Name: Kasey Cosden
           Faculty Advisor: Dr. Murali Temburni

4:00-4:15  The Role of Glia in Synchronous Burst Firing Activity
           Presenter Name: Nkoli Agbazue
           Faculty Advisor: Dr. Murali Temburni

4:15-4:30  Expression of the Calcium Binding Protein CalNuc in Chick Astrocytes
           Presenter Name: Shanice Bennett
           Faculty Advisor: Dr. Murali Temburni
Student Paper Presentations - Session IX
Bank of America Building Room 217
Presiding: Ms. Phyllis Brookes-Collins, Department of Academic Enrichment

2:00-2:15  The Development and History of PNC Bank
Presenter Name: Lei Wang
Faculty Advisor: Dr. Jan E. Christopher

Presenter Name: Zhengliang Yuan
Faculty Advisor: Dr. Jan E. Christopher

2:30-2:45  Barclay Bank's Journey to Success
Presenter Name: Kristopher J. Walden
Faculty Advisor: Dr. Jan E. Christopher

2:45-3:00  The History of the U.S. Department of Treasury
Presenter Name: Ashleigh J. Redd
Faculty Advisor: Dr. Jan E. Christopher

3:00-3:15  Wells Fargo: The Largest Bank by Market Capitalization
Presenter Name: Quantrell Mckissick
Faculty Advisor: Dr. Jan E. Christopher

3:15-3:30  NextGen of Aviation
Presenter Name: Jesusa Cardenas
Faculty Advisor: Dr. Polly Steenhagen

3:30-3:45  Who Comes to Play?: DE,MD, PA Residents?
Presenter Name: Travis Jones
Faculty Advisor: Dr. Cynthia Mayo

3:45-4:00  Expression of Extracellular Protease and DNase in Serratia grimesii
Presenter Name: Gina Accumanno
Faculty Advisor: Dr. Jung-lim Lee

4:00-4:15  The Good, the Bad and the Ugly: The Role Wind Turbines Play in the Rising Death Toll of Bats
Presenter Name: Jere’ Hutson
Faculty Advisor: Dr. Kevina Vulinec

4:15-4:30  Myobrillar Protein Degradation of Goose Meat
Presenter Name: Jamil Huggins
Faculty Advisor: Professor Zeng Xiaogun
Physiological Responses in Common Bean (Phaseolus vulgaris) to Rust Infection
Presenter Name: Khadijah Friday
Faculty Advisor: Dr. Sathya Elavarthi

Molecular characterization of the introduction of a twin cysteine insertion motif in gp120 of HIV-1
Presenter Name: Jaskirandeep Kaur
Faculty Advisor: Dr. Shi-hua Xiang

Understanding epigenomic differences in common bean grown in tissue culture versus soil
Presenter Name: Elizabeth Fiedler
Faculty Advisor: Dr. Venugopal Kalavacharla

Screening common pesticides in the U.S. for neurotoxicity in Parkinson’s disease in vitro model
Presenter Name: Douglas Mullen
Faculty Advisor: Dr. Y. Hwan Kim

Alterations in Immediate Early Genes And Glutamate Receptors in the Hippocampus During Abstinence from Cocaine Self-administration
Presenter Name: Roderick King
Faculty Advisor: Dr. Ghazaleh Sadri-Vakili

Effects of Economics on Fashion Trends
Presenter Name: Shauna Green
Faculty Advisor: Dr. Mopelola O. Adegoke

Delicate Strength
Presenter Name: Courtney Brown
Faculty Advisor: Dr. Jungmi Oh

Angle Cut
Presenter Name: T’Nay Williams
Faculty Advisor: Dr. Jungmi Oh

Dynasty
Presenter Name: Shauna Green
Faculty Advisor: Dr. Jungmi Oh

Mine Denim
Presenter Name: Stefani Sanders
Faculty Advisor: Dr. Jungmi Oh
## Student Paper Presentations - Session XI

**Bank of America Building Room 205**

Presiding: Dr. Myrna Nurse, Department of English and Foreign Languages

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Presenter Name</th>
<th>Faculty Advisor</th>
</tr>
</thead>
<tbody>
<tr>
<td>2:00-2:15</td>
<td>Stroke Prevalence &amp; Awareness</td>
<td>Crystal Connelly</td>
<td>Dr. Dampeer-Moore</td>
</tr>
<tr>
<td>2:15-2:30</td>
<td>A Multi-Year Analysis of an Adolescent Smoking Cessation Program in an Underserved Urban Community</td>
<td>Delvise Fogwe</td>
<td>Dr. Agnes Richardson</td>
</tr>
<tr>
<td>2:30-2:45</td>
<td>Non-Timber Forest Products (NTFP): Endangered Nutritional Staples in Ghana</td>
<td>Mercy Esuh</td>
<td>Dr. Margaret-Rose Agostino</td>
</tr>
<tr>
<td>2:45-3:00</td>
<td>Children's Cognitive Development: Piaget's Theory</td>
<td>Jazmin James</td>
<td>Mrs. Connie Williams</td>
</tr>
<tr>
<td>3:00-3:15</td>
<td>The Truth About Antibiotics</td>
<td>Rosalyn Primus</td>
<td>Dr. Daniela Radu</td>
</tr>
<tr>
<td>3:15-3:30</td>
<td>A Prototype Framework for Recognition and Alerting in Home Health Care</td>
<td>Leon Hunter</td>
<td>Dr. Gary Holness</td>
</tr>
<tr>
<td>3:30-3:45</td>
<td>Building a Robust Firewall for Software-Defined Networks</td>
<td>Emlyne Forren</td>
<td>Dr. Hongxin Hu</td>
</tr>
<tr>
<td>3:45-4:00</td>
<td>A Computational Study of Function Recovery in Crustacean Pacemaking Neurons</td>
<td>Atish Malik</td>
<td>Dr. Tomasz G. Smolinski</td>
</tr>
<tr>
<td>4:00-4:15</td>
<td>Automated Construction of Neuronal Models Using Computational Intelligence</td>
<td>Myles Johnson-Gray</td>
<td>Dr. Tomasz G. Smolinski</td>
</tr>
<tr>
<td>4:15-4:30</td>
<td>Computer Science as a Tool of Survival in a Zombie Apocalypse</td>
<td>Michaela Barnett</td>
<td>Dr. Tomasz G. Smolinski</td>
</tr>
</tbody>
</table>
This page intentionally left blank.