8th Annual Student Research Symposium

Promoting Collaboration Across Disciplines

Saturday, April 12, 2014 | University Hall

Presented by
Office of the Provost | College of the Arts | College of Education and Human Services | College of Humanities and Social Sciences | College of Science and Mathematics | School of Business | The Graduate School

It’s all here. Montclair State University
To the faculty and student participants of the University-wide Student Research Symposium:

This event, with participants from all across the University, represents the energy, creativity and hard work of which our students are capable under the mentorship of the faculty. Research is hard when done well and done thoroughly but its rewards can be immense, both as personal satisfaction for the job done and for the new knowledge acquired. Mastering the methods, techniques and tools of an intellectual discipline to the degree required for applying them effectively to a real-world question or problem is the essence of an empowering education. The satisfaction of knowing how to confidently apply oneself to a challenge with the techniques of a microbiologist, a sociologist, a psychologist, an accountant, an audiologist, a filmmaker, a journalist, a teacher or public health specialist, or any of a dozen other disciplinary methodologies, is the reward of a successful education and the key to opening a door into the mansion of life-long learning.

Even more satisfying and rewarding, then, is the challenge of tackling a problem with a toolbox of multiple methodologies, with an inter or multidisciplinary approach, either by mastering several different disciplines yourself, or by combining your own skills and efforts with colleagues trained in other disciplines. You may find that the problem cracks open more quickly and more easily when together you bring the collective weight of your individual skills to bear against it. Or together you can identify and address a question larger and more complex than any you could hope to solve individually. This is what has happened in all fields of human knowledge around us, and it happens because curious students like you are always finding creative new ways to apply the lessons of your teachers either to ancient questions (What is a just society? What does war cost? How can we best educate our children?) or to previously unknown functions of nature (What are the neurological pathways that teach a bird to build a nest? Why is dark matter only observable in its effects? What exact conditions trigger an earthquake in a specific place?).

No one will ever answer these questions on their own and no one discipline will serve to do so. That is the challenge and excitement of interdisciplinary cooperation. That is the attraction and promise of this event today, where students from disciplines across the University come together to discuss and share their research on common issues.

The entire faculty of Montclair State are proud of the work you have presented and wish you the best for continued growth and mastery of those skills and achievements.

Dr. Willard Gingerich
Provost and Vice President for Academic Affairs
Schedule

7:45 am – 8:15 am  
Registration and Continental Breakfast  
University Hall Grand Hallway, 1st Floor

8:20 am – 8:35 am  
Opening Remarks/Welcome – Dr. Willard Gingerich  
Provost and Vice President for Academic Affairs  
University Hall Room 1070

8:35 am – 9:15 am  
Interdisciplinary Panel Presentation  
Montclair State University Faculty Members  
University Hall Room 1070

9:20 am – 10:35 am  
Poster Session Block A  
University Hall Conference Center, 7th Floor

10:40 am – 12:00 pm  
Oral and Multimedia Presentations Block A  
Room assignments listed in program

12:00 pm – 12:45 pm  
Lunch  
Student Center Ballroom

12:55 pm – 2:15 pm  
Oral and Multimedia Presentations Block B  
Room assignments listed in program

2:20 pm – 3:40 pm  
Oral and Multimedia Presentations Block C  
Room assignments listed in program

3:45 pm – 5:00 pm  
Poster Session Block B  
University Hall Conference Center, 7th Floor

5:05 pm  
Award Presentations and Closing Remarks  
General Symposium Awards and Closing Remarks  
Outstanding Interdisciplinary Presentations and Posters  
University Hall 1070
Oral and Multimedia Presentations

Block A: 10:40 am – 12:00 pm

1. Graduate Award Nominees – University Hall 2046

Moderator: Dr. Dawn Marie Hayes

Presenter: Susan Falciani  
Advisor: Dr. Dawn Marie Hayes

Title: A kaleidoscope of culture: Cross-cultural influences on twelfth-century English illuminated manuscripts

Presenter: Rosita Nuñez  
Advisor: Dr. Avinandan Mukherjee

Title: Willingness to pay, environmental knowledge and the perception of responsibility for environmental protection

Presenter: Christine Peters  
Advisor: Dr. Christine Price

Title: Experiences of mothers of children with Autism and aggression: The process of becoming ‘Super-Copers’

Presenter: Joel Torres  
Advisor: Dr. Joel Penney

Title: Case study: Tailoring messages towards Latino voters in the 2013 New Jersey gubernatorial campaign

Presenter: Kelly Triece  
Advisor: Dr. Meiyin Wu

Title: Examining wildlife habitats associated with road mortality hotspots in New Jersey

Co-authors: Natalie Sherwood, Meiyin Wu, Gretchen Fowles, Brian Zarate

2. Undergraduate Award Nominees – University Hall 2044

Moderator: Dr. Diana Thomas

Presenter: J. R. Gambino  
Advisor: Dr. Antoinette Pole

Title: Civic engagement and community supported agriculture

Presenter: Thomas Leonardis  
Advisor: Dr. Steven Leigh

Title: Understanding injury mechanisms for training and rehabilitation of female dancers: Injury prevalence survey

Presenter: Sharmin Uddin  
Advisor: Dr. Diana Thomas

Title: Does administering different degrees of calorie restriction biweekly improve dietary adherence: A mathematical approach

Presenter: Mia Zanette  
Advisor: Dr. Neil Baldwin

Title: New dimensions in dramaturgy: Streetcar and New Orleans

3. Genetics and Bio-Chemistry - University Hall 2042

Moderator: Dr. Chunguang Du

Presenter: Ahmed Mahmoud  
Advisor: Dr. Chunguang Du

Title: Inferring gene regulatory networks based mutual information

Co-authors: Chunguang Du, Wenwei Xiong

Presenter: Ban Edani  
Advisor: Dr. Yvonne Gindt

Title: Studying the repair mechanism of UV-damaged DNA by photolyase enzyme

Co-authors: Robert Stanley, Sudipto Munshi

Presenter: Rohe Ahmad  
Advisor: Dr. Yvonne Gindt

Title: Elucidation of the substrate recognition mechanism of VcCry1, a DNA repair enzyme
### 4. Women’s Rights and Their Abuses - University Hall 2040  
**Moderator: Dr. Venezia Michalsen**

<table>
<thead>
<tr>
<th>Presenter</th>
<th>Advisor</th>
<th>Title</th>
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<tbody>
<tr>
<td>Anna Slusarczyk</td>
<td>Dr. Lee Lee</td>
<td>Genome project of plasmid and stress response of plasmid in cyanobacteria synechococcus IU 625</td>
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<tr>
<td>Kathryn Goldner</td>
<td>Dr. Tricia Bogle</td>
<td>Assisted reproduction and regulation</td>
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<tr>
<td>Ashley Rosa</td>
<td>Dr. Ian Drake</td>
<td>Abortion: The rights and boundaries of counseling</td>
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<tr>
<td>McKenzie Delaney</td>
<td>Dr. Venezia Michalsen</td>
<td>Human trafficking victims and the positive impact of performing arts therapy</td>
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<td>Robert Galvan</td>
<td>Dr. Ian Drake</td>
<td>Under the rug: Sexual assault in the U.S. Military</td>
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### 5. The State of Our Children - University Hall 2032  
**Moderator: Dr. Ian Drake**

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<tr>
<th>Presenter</th>
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<tbody>
<tr>
<td>Melissa Zuniga</td>
<td>Dr. Ian Drake</td>
<td>American children in the deportation era: An interdisciplinary review of the agencies involved and the psychological impact</td>
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<td>Misbahul Fatima</td>
<td>Dr. Ian Drake</td>
<td>Minor donations: Using children as a means to an end</td>
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<tr>
<td>Mame Kani Diop</td>
<td>Dr. Pearl Stewart</td>
<td>The influence of polygamy on West African child well-being</td>
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<tr>
<td>Judith Dias</td>
<td>Dr. Ian Drake</td>
<td>The &quot;Foster Model,&quot; addressing mental health, poverty and crime: An interdisciplinary vision of health, education and law for New Jersey families</td>
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### 6. It’s the Law!: Issues in Jurisprudence - University Hall 2031  
**Moderator: Avram Segall, Esq.**

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<tr>
<th>Presenter</th>
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<tr>
<td>Lisa Labenski</td>
<td>Avram Segall, Esq.</td>
<td>The truth about assault weapons</td>
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<td>Narmin Shahin</td>
<td>Avram Segall, Esq.</td>
<td>Prosecutorial misconduct: The pressures to win and remain ethical</td>
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<td>Raquel Aranda</td>
<td>Avram Segall, Esq.</td>
<td>The admissibility of the genetic-based defense</td>
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<tr>
<td>Tyrone Barragan</td>
<td>Avram Segall, Esq.</td>
<td>Stand your ground: A slippery slope of law</td>
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<tr>
<td>Tamara Griesi</td>
<td>Avram Segall, Esq.</td>
<td>Criminal behavior: A genetic or psychological imbalance. An interdisciplinary investigation</td>
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</table>
7. It’s the Economy Stupid! – University Hall 2025
Moderator: Dr. Brian Smith

Presenter: Krystel Sanford
Advisor: Avram Segall, Esq.
Title: The changing of immigration laws, to control the influx of undocumented workers that meet the needs of the growing economy

Presenter: Demetrius Jennings
Advisor: Avram Segall, Esq.
Title: An analysis of the effects of offshore tax havens on the U.S. economy

Presenter: Candice Maneri
Advisor: Dr. Brian Smith
Title: Personal responsibility and Capitalism: A discussion of the necessity for liberal ideas in economic policy

Presenter: Christopher Paparis
Advisor: Dr. Ian Drake
Title: Commercial cannabis: Examining legal history to evaluate the economic future

Presenter: Besar Mahmudi
Advisor: Dr. Ian Drake
Title: I know you wanna...legalize marijuana

8. Environmental Issues – University Hall 2012
Moderator: Dr. Joshua Galster

Presenter: Catherine Konieczny
Advisor: Dr. Joshua Galster
Title: An empirical analysis of the relationship between depopulating cities and baseflow

Presenter: Christopher Fleischl
Advisor: Dr. Stefan Robila
Title: The green IT project
Co-Authors: Cynthia Alvarez Laveaud, Genesis Serviano

Presenter: Faith Justus
Advisor: Dr. Danlin Yu
Title: Spatial distribution of greenhouse commercial horticulture in Kenya and the role of demographic, infrastructure and topo-edaphic factors

Presenter: Sushant Singh
Advisor: Dr. Robert Taylor
Title: Application of risk perception in decision-making for sustainable arsenic mitigation

9. Dancing to the Tune of Art, History, and Culture – University Hall 2008
Moderator: Dr. Patrali Chatterjee

Presenter: Sabrina MisirHiralall
Advisor: Dr. Tyson Lewis
Title: The dangers of creativity to misrepresent Indian classical Hindu dance

Presenter: Kelly Vaghenas
Advisor: Dr. Elsa Davidson
Title: The culture of production of dance teacher magazine

Presenter: Casey Hittel
Advisor: Dr. Patrali Chatterjee
Title: Musical preferences
Co-authors: Peter Moran, Alexandra Antonelli, Christina Kaplan, Sara Akbulut

Presenter: Coral Payano
Advisor: Dr. Elizabeth Valdez del Alamo
Title: Art and the sublime
10. All in the Family – University Hall 2007  
Moderator: Dr. Amanda Baden

Presenter: Mercedes James  
Title: Observing the lives of teen mothers in foster care  
Advisor: Dr. Lisa Lieberman

Presenter: Muhammad Raza  
Title: Effect of ideal family size on contraceptive practices  
Advisor: Dr. Jennifer Urban

Presenter: Kamila Kolodynska  
Title: The battle over planned parenthood and informed consent laws  
Advisor: Dr. Ian Drake

Presenter: Ebony White  
Title: Identifying positive outcomes for African Americans raised by single mothers in low income communities  
Advisor: Dr. Amanda Baden

Oral and Multimedia Presentations  
Block B: 12:55 pm – 2:15 pm

1. Language/Literature: Spoken, Plain, Written – University Hall 2046  
Moderator: Dr. Enza Antenos-Conforti

Presenter: John Casella  
Title: Domenica Bernardi: A life in letters  
Advisor: Dr. Enza Antenos-Conforti

Presenter: Reyther Ortega  
Title: Two visions of domestic violence in contemporary Spanish fiction: Lidia Falcón and Icíar Bollaín  
Advisor: Dr. Linda Gould Levine

Presenter: Heather Lockhart  
Title: In plain English: Applying the plain language movement to academia  
Advisor: Dr. Melinda Knight

Presenter: Joseph Gonzalez  
Title: The sexual tension in Federico García Lorca’s, The House of Bernarda Alba, and its visualization in Mario Camus’s film version  
Advisor: Dr. Linda Gould Levine

Presenter: Joseph Gonzalez  
Title: Turning film subtitling into an art form: The importance of condensation  
Advisor: Dr. Raul Galoppe

2. Digitizing the World – University Hall 2044  
Moderator: Dr. Marc Favata

Presenter: Blake Moore  
Title: The soundtrack of the universe: Motivation for a gravitational-wave sounds catalog  
Advisor: Dr. Marc Favata

Co-author: Goran Dojcinoski

Presenter: Goran Dojcinoski  
Title: Listening to the universe: A gravitational-wave sounds catalog  
Advisor: Dr. Marc Favata

Co-author: Blake Moore

Presenter: Rocio Duchesne-Onoro  
Title: Mapping shrub expansion in the north slope of Alaska  
Advisor: Dr. Mark Chopping

Co-author: Ken Tape
### 3. The State of College and MSU – University Hall 2042
**Moderator: Dr. Ricard Jensen**

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<thead>
<tr>
<th>Presenter</th>
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<tbody>
<tr>
<td>Michael Canzano</td>
<td>Dr. Kim O'Halloran</td>
<td>College students and internet gaming: A slippery slope to addiction</td>
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<tr>
<td>Kacie Fidler</td>
<td>Dr. Yam Limbu</td>
<td>MSU athletics: It's time to get the ball rolling!</td>
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<tr>
<td>Co-authors</td>
<td></td>
<td>Kinga Czochanska, Ashlee Blum, Brian Hill, Corey Munro, Nadine Karinja</td>
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<tr>
<td>Peter Kang</td>
<td>Dr. Yam Limbu</td>
<td>Students' perceptions of MSU parking facilities: An exploratory study</td>
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<tr>
<td>Co-authors</td>
<td></td>
<td>Blake Vernam, Kevin Hough, Samantha Wilkens</td>
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<tr>
<td>Connor O'Brien</td>
<td>Dr. Ricard Jensen</td>
<td>If we promote it, will MSU students come? Marketing roller derby to college students</td>
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<tr>
<td>Co-authors</td>
<td></td>
<td>Yarissa Marte, Daniel Bonino</td>
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### 4. Injuries and Abuses: Enough is Enough – University Hall 2040
**Moderator: Dr. Steven Leigh**

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<tr>
<th>Presenter</th>
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<tr>
<td>David Lardier</td>
<td>Dr. Robert Reid</td>
<td>Ecological perspectives of risk and resiliencies in adolescent substance abuse</td>
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<tr>
<td>Veronica Barrios</td>
<td>Dr. Jonathan Caspi</td>
<td>An interdisciplinary framework for Latina sexual abuse disclosure</td>
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<tr>
<td>Venita Rawal</td>
<td>Dr. Harriet Glosoff</td>
<td>Human trafficking: Identifying and assisting young victims</td>
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<td>Aviv Butvinik</td>
<td>Dr. Denis Feigler</td>
<td>Pedestrian warning system</td>
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### 5. War and Its Casualties – University Hall 2032
**Moderator: Dr. Daniel Mengara**

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<tr>
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<tr>
<td>Seraphine Nzue-Agbadou</td>
<td>Dr. Daniel Mengara</td>
<td>Killer kids: The journey of an ex-child soldier</td>
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<tr>
<td>Katie Fitzgerald</td>
<td>Dr. Elaine Gerber</td>
<td>Suicide and depression: Downsides of military culture and its influence in military colleges</td>
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<tr>
<td>Jonathan Maiorano</td>
<td>Dr. Brian Smith</td>
<td>A classic liberal perspective on war</td>
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<tr>
<td>Brian Dwight</td>
<td>Dr. Brian Smith</td>
<td>Modernization of the PLA and its implications for the United States</td>
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<tr>
<td>Alyssa Rainey</td>
<td>Dr. Brian Smith</td>
<td>Humanitarian intervention and the problem of political control in war</td>
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### 6. Bio-Organic Chemistry – University Hall 2031
**Moderator: Dr. David Konas**

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<tr>
<th>Presenter</th>
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<tbody>
<tr>
<td>Derek Darby</td>
<td>Dr. David Konas</td>
<td>Synthesis and characterization of carbazole-based activators of cryptochromes</td>
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</tbody>
</table>
Presenter: Robert Barrows  Advisor: Dr. David Konas  
Title: Synthesis and characterization of indole-3-glycerol phosphate synthase substrate and analogs

Presenter: Diane Hagmann  Advisor: Dr. Nina Goodey  
Title: The effect of heavy metal contamination on select extracellular enzyme activities in the soil  
Co-authors: Jennifer Krumins, Carolyn Mathieu

Presenter: Hassan Tahir  Advisor: Dr. Lee Lee  
Title: Green tea polyphenols inhibit biofilm formation in both pseudomonas aeruginosa and pseudomonas fluorescence

Presenter: Seema Patel  Advisor: Dr. Nina Goodey  
Title: Experimental evaluation of allosteric residues involved in ligand specificity in the dihydrofolate reductase family  
Co-authors: Dina Abdulrazaq, Maureen Malivert

7. Student Issues Today – University Hall 2012  
Moderator: Dr. Pearl Stewart

Presenter: Kelly Gentry  Advisor: Dr. Kim O’Halloran  
Title: Strategic connections: Partnering adult 2nd degree earners with traditional undergraduates to promote student success

Presenter: Sherlene Ayala  Advisor: Dr. Kim O’Halloran  
Title: Latina doctoral students innovate through virtual support: Recapping Latina voices from the NASPA National Conference  
Co-author: Sofia Pertuz

Presenter: Alyssa Willis  Advisor: Dr. Pearl Stewart  
Title: Changing relationships among White, Non Hispanic, middle class first generation college students

Presenter: Ian Callahan  Advisor: Dr. Christopher Donoghue  
Title: Coming out in college: A social climate study

8. Ecological Issues – University Hall 2008  
Moderator: Dr. Jennifer Krumins

Presenter: Carolyn Haines  Advisor: Dr. Jennifer Krumins  
Title: Understanding eutrophication: Flora and bacterial communities of an urban watershed

Presenter: Christie Castellano  Advisor: Dr. Paul Bologna  
Title: Direct and indirect impacts of gelatinous zooplankton on pelagic community structure  
Co-author: John Gaynor

Presenter: Natalie Sherwood  Advisor: Dr. Meiyin Wu  
Title: Mercury contamination in New Jersey’s snapping turtles (Chelydra serpentina)

Presenter: Marco Finocchiaro  Advisor: Dr. Meiyin Wu  
Title: Effects of plant species and water depth on methane flux in a freshwater wetland
9. Communication and Leadership – University Hall 2007  
Moderator: Dr. Yi Luo

Presenter: Demitra Calivas  
Advisor: Dr. Christopher McKinley
Title: How nonprofit research hospitals use social media: Analysis of the efficacies of effective communication usage

Presenter: Rosemarie Salvatore  
Advisor: Dr. Yi Luo
Title: When you care enough to tweet the very best: How the greeting card industry utilizes social media to build social capital

Presenter: Stacey Kohler  
Advisor: Dr. Dana Levitt
Title: Ethical dilemmas within the supervisory triad
Co-authors: Connie Ducaine, Kelly Gentry

Presenter: Joel Torres  
Advisor: Dr. Yi Luo
Title: A need for progression from government organizations leading in a digital world

Oral and Multimedia Presentations
Block C: 2:20 pm – 3:40 pm

1. Teaching, Pedagogy and Education – University Hall 2046  
Moderator: Dr. Mark Weinstein

Presenter: David Johnston  
Advisor: Dr. Emily Klein
Title: How can we help you? Using responsive coaching to support transformative teaching with digital technology in science classrooms
Co-author: Shelley Kurland

Presenter: Daniel Fisherman  
Advisor: Dr. Mark Weinstein
Title: Wittgenstein and value of meaningless questioning

Presenter: Drew Emanuel Berkowitz  
Advisor: Dr. Rebecca Goldstein
Title: What are teachers being told about their students' out-of-school "fanfiction" literacy practices?

Presenter: Mark Russo  
Advisor: Dr. Mika Munakata
Title: Quantitative literacy and high school mathematics: The evolution of a collaboratively constructed course and its impact on students' attitudes and numeracy

Presenter: Eliza Leszczynski  
Advisor: Dr. Mika Munakata
Title: GK-12 teachers' classroom connections of mathematics and science

2. Science and Science Fiction: Way Out! – University Hall 2044  
Moderator: Dr. Wendy Nielsen

Presenter: Doron Darnov  
Advisor: Dr. Kirk McDermid
Title: Anti-philosophers as amateur philosophers: The metaphysical and epistemological claims of modern science

Presenter: Andrew DeLuise  
Advisor: Dr. Wendy Nielsen
Title: Science fiction and American politics

Presenter: Ashley Poulson  
Advisor: Dr. Wendy Nielsen
Title: Defining science fiction across disciplines
3. The World of Mathematics – University Hall 2042  
Moderator: Dr. Lora Billings

Presenter: Bradford Morris  
Advisor: Dr. Jonathan Cutler  
Title: Upper bounds on the number of regular independent sets in trees

Presenter: Matthew Jakubowski  
Advisor: Dr. Jonathan Cutler  
Title: Partial colorings of graphs

Presenter: Steven Kuipers  
Advisor: Dr. Jonathan Cutler  
Title: On the structure of the extremal graph for maximizing the number of regular independent sets

Presenter: Mike Morley  
Advisor: Dr. Lora Billings, Dr. Eric Forgoston  
Title: Simulating bistable population models

Presenter: Martha Bauver  
Advisor: Dr. Eric Forgoston, Dr. Lora Billings  
Title: The role of FTLEs in stochastic population models

Presenter: Jamila Haramuniz  
Advisor: Dr. Lora Billings, Dr. Eric Forgoston  
Title: Stochastic modeling and control of a population

4. Our Bodies, Our Minds – University Hall 2040  
Moderator: Dr. Deborah Fish Ragin

Presenter: Rebecca Bohmer  
Advisor: Dr. Deborah Fish Ragin  
Title: Examining health inequities through the lens of social justice  
Co-authors: Serena Gattuso, Myla Ramirez, Talia Philippsborn, Sagal Ahmed, Nadia Shaikh

Presenter: Emma Thompson  
Advisor: Dr. Ian Drake  
Title: Not in your head: Mental health parity needs improvement

Presenter: Daniel Rynerson  
Advisor: Dr. David Benfield  
Title: Discrepancies in the ideas of self (East & West)

Presenter: Alexis Fissinger  
Advisor: Dr. Douglas Murray  
Title: An exploratory study of food safety and food handling: Examining ready-to-eat foods in independent delicatessen operations

5. Proteins and Enzymes – University Hall 2032  
Moderator: Dr. Carlos Molina

Presenter: Fanaye Woldeamanuel  
Advisor: Dr. Carlos Molina  
Title: Identification of the ubiquitination sites of inducible cAMP early repressor using site-directed mutagenesis and western blot analysis
Presenter: Aliaskar Hasani    Advisor: Dr. Carlos Molina
Title: Making a transgenic zebrafish for the expression of ICER in melanocytes as a model for relapsing melanomas and knock out of ICER in Zebrafish

Presenter: Daniel Flores    Advisor: Dr. Sandra Adams
Title: Curcumin as an inhibitor of herpes simplex virus 1 and herpes simplex virus 2 infection in cultured Vero cells

Presenter: Robert Booth    Advisor: Dr. David Talaga
Title: Hydrophobic catalysis of the amyloidogenic aggregation of alpha-synuclein

Presenter: Amna Adam    Advisor: Dr. David Rotella
Title: Synthesis of novel diamines for drug discovery
Co-author: David Rotella

Presenter: James Stamos    Advisor: Dr. Sandra Adams
Title: Inhibition of HSV-2 in Vero cells by EGCG-Stearate

6. Literature By and About Women – University Hall 2031
Moderator: Dr. Melinda Knight

Presenter: Alexandra Ortea    Advisor: Dr. Monika Elbert
Title: The female gothic: Subverting the status quo

Presenter: Megan Dempsey    Advisor: Dr. Melinda Knight
Title: More than a jester: Dorothy Parker's use of the popular magazine market for social criticism

Presenter: Gloria Lugo    Advisor: Dr. Melinda Knight
Title: Historicizing racial nativism in the works of Willa Cather: 1913-1927

Presenter: Christina Herrera    Advisor: Dr. Patricia Matthew
Title: “It is a pleasure to see a lady with such a good heart for riding”: Horseback riding, carriage rides, and sexuality in Jane Austen's novels

7. Terror, or Security and Surveillance? You Decide – University Hall 2025
Moderator: Dr. Glen Gill

Presenter: Veronica Furman    Advisor: Dr. Glen Gill
Title: The cyborgization of human consciousness

Presenter: Sean Wrafter    Advisor: Dr. Elizabeth Wishnick
Title: Cybersecurity: America's achilles heel

Presenter: Jennifer Agens    Advisor: Dr. Naomi Liebler, Dr. Caroline Dadas
Title: Visions of terror: Re-contextualizing literature through 9/11 texts

Presenter: Judith Eskenazi    Advisor: Dr. Ian Drake
Title: NSA surveillance and the fourth amendment

8. Issues in the Marketplace – University Hall 2012
Moderator: Dr. Luis San Vicente Portes

Presenter: Andrew Lee    Advisor: Dr. Patrali Chatterjee
Title: Do successful viral ads generate marketplace success?
Co-author: Daniel Coleman
Presenter: Hammad Alhamad  Advisor: Dr. Luis San Vicente Portes
Title: The labor market in Saudi Arabia, challenges and hope

Presenter: Abby Erler  Advisor: Dr. Yam Limbu
Title: Do generation Y consumers really care about the labeling of genetically modified organisms in food?
Co-authors: Dominic Lindsay, Largesa Sazimani, Samantha Cilibrasi

Presenter: Gifty Oduro  Advisor: Dr. Agatha Jeffers
Title: One set of global accounting standards: Is this a realistic possibility?
Co-authors: Lan Luo, Neveen Yanny, Anita Wenzel

9. It’s a Wet, Wet, Wet World – University Hall 2008
Moderator: Dr. Meiyin Wu

Presenter: Idali Rios  Advisor: Dr. Paul Bologna
Title: Diet analysis of the atlantic sea nettle, Chrysaora quinquecirrha, in Barnegat Bay, NJ

Presenter: Laura Ruggeri  Advisor: Dr. Meiyin Wu
Title: Analysis of herbicide treatment effectiveness on common reed (Phragmites australis) of Delaware Bay salt marshes

Presenter: Joseph Kowalski  Advisor: Dr. Joshua Galster
Title: Summer river water temperature changes in the Musconetcong River and their potential impact on aquatic habitat

Presenter: Elen Teo  Advisor: Dr. Joshua Galster
Title: Changes in discharge characteristics of the Hudson River

Presenter: Kevin Olsen  Advisor: Dr. Michael Kruege
Title: Sediment contamination in northern Barnegat Bay before Hurricane Sandy

Presenter: David Colombini  Advisor: Dr. Duke Ophori
Title: Using GIS and groundwater modeling to assess the safety of disposal well locations in Cayuga County, NY

Moderator: Dr. Luis Montesinos

Presenter: Christine Kojima  Advisor: Dr. Elizabeth Valdez del Alamo
Title: Death comes to life: The legend of the three living and the three dead

Presenter: Jesenia Ortiz  Advisor: Dr. Elizabeth Valdez del Alamo
Title: Mind over matter: The power of the mind and the stigmata of Saint Catherine

Presenter: Vincent Paladino  Advisor: Dr. Christopher Matthews
Title: Snake symbolism in the vought house

Presenter: Jessica LaTorre  Advisor: Ron Hollander
Title: Silent heroes
## Poster Presentations

*Block A: 9:20 am – 10:35 am*

(Alphabetical by Presenter’s Last Name)

### Graduate Award Nominees for Poster Presentations

<table>
<thead>
<tr>
<th>Title</th>
<th>Presenter</th>
<th>Co-Authors</th>
<th>Advisor</th>
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</thead>
<tbody>
<tr>
<td>A multi-stakeholder perspective on factors affecting successful</td>
<td>Nadira Kwaja</td>
<td>Jennifer Urban, Kristen Hassmiller Lich, Rebecca Wells, Nicole Lawrence</td>
<td>Dr. Jennifer Urban</td>
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<tr>
<td>transition to adulthood for youth with severe emotional</td>
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<tr>
<td>disturbances (A60)</td>
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<tr>
<td>What predicts visceral adipose tissue: Trunk shape or trunk size?</td>
<td>Robert Moore</td>
<td>Diana Thomas, Steven Heymsfield, Manfred Mueller, Anja Bosy-Westphal,</td>
<td>Dr. Diana Thomas</td>
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<tr>
<td>(A37)</td>
<td></td>
<td>Courtney Peterson</td>
<td></td>
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<tr>
<td>Stereotype threat, interview structure, and performance (A21)</td>
<td>Bridget Muzycyn</td>
<td>Mackenzie Renda, Marta Hanaka, Gaynell Schettino</td>
<td>Dr. Jennifer Bragger</td>
</tr>
</tbody>
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### Undergraduate Award Nominees for Poster Presentations

<table>
<thead>
<tr>
<th>Title</th>
<th>Presenter</th>
<th>Co-authors</th>
<th>Advisor</th>
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</thead>
<tbody>
<tr>
<td>A study of misleading journalistic reporting of the Holocaust –</td>
<td>Arnold Litt</td>
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<td>Ron Hollander</td>
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<tr>
<td>Why the New York Times coverage of the Holocaust was materially</td>
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<td>understated and misleading as evidenced by comparative analysis of</td>
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<td>the Times reporting of specific Holocaust stories with that of the</td>
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<td>New York Herald Tribune for the period 1942-1944 (A57)</td>
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<tr>
<td>Molecular detection of Ranavirus in the northeastern US: The largest</td>
<td>Anthony Strobolakos</td>
<td>Dajana Borova, Alvin Mercado, Mollie Rosenkrantz, Fady Sidhom</td>
<td>Dr. Kirsten Monsen-Collar</td>
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<tr>
<td>Ranavirus screen in North America (A14)</td>
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<tr>
<td>Molecular evolution of opsin genes in bears (A56)</td>
<td>Abdelrhman Abo-Zed</td>
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<td>Dr. Robert Meredith</td>
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<tr>
<td>Synthesis of novel diamines for drug discovery (A27)</td>
<td>Amna Adam</td>
<td></td>
<td>Dr. David Rotella</td>
</tr>
<tr>
<td>The role of parental involvement in child sexual abuse outcomes</td>
<td>Sagal Ahmed</td>
<td></td>
<td>Dr. Anthony D’Urso</td>
</tr>
</tbody>
</table>
Title: Randić connectivity indices of octagonal systems (A24)
Presenter: Rob Rexler Baello
Co-author: William Burke
Advisor: Dr. Aihua Li

Title: Lateralized differences in tympanic membrane temperature, but not mood, are related to episodic memory (A15)
Presenter: Taylor Barr
Co-author: Ruth Propper
Advisor: Dr. Ruth Propper

Title: An interdisciplinary approach to the war on drugs: Its costs, penalties and results (A50)
Presenter: Joseph Bavolar
Advisor: Dr. Ian Drake

Title: Student aggression and classroom disruptions (A63)
Presenter: Luis Bernal
Advisor: Dr. Christopher Donoghue

Title: Effects of tillage and amendment on soil communities (A5)
Presenter: Elijah Bohorquez
Advisor: Dr. Jennifer Krumins

Title: The right to bear arms (A20)
Presenter: Carmine Bufi
Advisor: Dr. Ian Drake

Title: The relationship of religiosity, religious coping and adjustment for Latino immigrants in the United States (A16)
Presenter: Diana Cabezas
Advisor: Dr. Deborah Fish Ragin

Title: Neutrality in employment standards (A29)
Presenter: John Carroll
Advisor: Avram Segall, Esq.

Title: Eyewitness testimony: Implications and reforms (A42)
Presenter: Tracey Cordeiro
Advisor: Dr. Ian Drake

Title: PG Bank-The pursuit of a family office (A7)
Presenter: Nassourou Diallo
Co-authors: Brendan Churchin, Dianel Yunes
Advisor: John Scorsone

Title: Interdisciplinary discourse on data-mining surveillance and the fourth amendment (A28)
Presenter: Leonardo Dinic
Advisor: Avram Segall, Esq.

Title: Intergenerational trauma: Modern day Jews and the effects of the Holocaust (A26)
Presenter: Rachel Druker
Advisor: Dr. Christopher Donoghue
Title: Limits to quality factors in nanomechanical resonators made from diffusive conductors (A1)
Presenter: Nicholas Drywa
Advisor: Dr. Patrick Truitt

Title: Pedagogy of the adult with LD: Mathematics perspective (A51)
Presenter: Peggy Flood
Advisor: Dr. Mika Munakata

Title: The notion of source in children's event representations (A41)
Presenter: Omaris Garcia
Co-author: Deanna Mendez
Advisor: Dr. Laura Lakusta

Title: Insanity defense-The balance between justice and protecting the rights of criminally insane defendants (A47)
Presenter: Malgorzata Garrity
Advisor: Avram Segall, Esq.

Title: North versus South: Perception of New Jersey dialects (A6)
Presenter: Hannah Gash
Co-author: Jennifer Pardo
Advisor: Dr. Jennifer Pardo

Title: Vegetation coverage in the New Jersey Pinelands Reserve and how intact its canopy remains in the 21st century (A33)
Presenter: Jason Gowers
Advisor: Dr. Mark Chopping

Title: That's a wrap: How wrapper color affects candy flavor expectations and perceptions (A52)
Presenter: Nancy Greene
Co-authors: Monica Jimenez, Daniel Neblock, Arturo Calderon, Yaritza Diaz, Mimi Sheraton
Advisor: Dr. Debra Zellner

Title: DNA sequence analysis using graph indices (A13)
Presenter: Pamela Guerron
Co-author: Zeyad Boodoo
Advisor: Dr. Aihua Li

Title: A comparison of generalization using ultrasound and electropalatography for treatment of residual/r/errors (A34)
Presenter: Julie Irwin
Advisor: Dr. Elaine Hitchcock

Title: Parental advice and conflict coping strategies (A30)
Presenter: Lisa Kaiser
Co-authors: Christopher Donoghue, Alicia Raia-Hawrylak
Advisor: Dr. Christopher Donoghue

Title: Identifying covert contrast in the English stops of a Spanish-influenced speaker (A45)
Presenter: Kurt Keena
Advisor: Dr. Elaine Hitchcock
Title: How do judges make decisions?: An interdisciplinary analysis of constitutional jurisprudence and legal decision-making (A36)
Presenter: Ryan Kenny
Advisor: Dr. Ian Drake

Title: Elimination of lymphatic filariasis in developing countries targeting Brugia malayi JNK (A53)
Presenter: Tamara Kreiss
Co-author: Agnieszka Chojnowski
Advisor: Dr. John Siekierka

Title: Infants comprehension of source and goal path terms in motion events (A10)
Presenter: Daphne Labropoulos
Co-authors: Jessica Bury, Sara Berdeu, Alexa Steinberg
Advisor: Dr. Laura Lakusta

Title: Inferring gene regulatory networks based mutual information (A22)
Presenter: Ahmed Mahmoud
Co-authors: Chenguang Du, Wenwei Xiong
Advisor: Dr. Chenguang Du

Title: Generation and characterization of ovarian specific promoter sequences in Zebrafish (Danio rerio) (A12)
Presenter: Riham Makhoul
Co-author: Rohini Rajendran
Advisor: Dr. Carlos Molina

Title: Law & Psychology: An interdisciplinary analysis of juvenile justice & intervention strategies (A8)
Presenter: Kathryn Masters
Advisor: Avram Segall, Esq.

Title: Does the president have the constitutional right to determine when the Senate is on break and use his recess appointment power (A58)
Presenter: Michael Milano
Advisor: Avram Segall, Esq.

Title: Target acquisition and tracking using low-cost ultrasonic rangefinders (A32)
Presenter: Kevin Miller
Advisor: Dr. George Antoniou

Title: Molecular evolution of amphibian visual genes (A9)
Presenter: Juan Miranda
Advisor: Dr. Robert Meredith

Title: Purification and characterization of thymidine cyclobutane dimers in solution (A25)
Presenter: Jason Morales
Advisor: Dr. Johannes Schelvis

Title: The use of developmental sentence scoring with 3-year-olds: A comparison of language samples collected in two contexts (A23)
Presenter: Emily Mucchetti
Advisor: Dr. Sarita Eisenberg
Applicant contrast: How the order of resume evaluations can affect candidate ratings (A59)
Presenter: Daniel Neblock
Co-authors: Debra Zellner, Veronica Schneider
Advisor: Dr. Debra Zellner

NFL concussion litigation: The neuropsychological impact of football-related mild traumatic brain injury and the question of liability (A35)
Presenter: Margaret Ochner
Advisor: Dr. Ian Drake

Language of Autism (A4)
Presenter: Siobhan O'Connor
Advisor: Dr. Eileen Fitzpatrick

Integrated groundwater and surface water modeling over the White Volta Basin (A17)
Presenter: Felix Oteng
Co-author: Clement Alo
Advisor: Dr. Clement Alo

On extracting randomness from digital media (A44)
Presenter: Lee Painton
Co-authors: David Heale, Chris Fleischl
Advisor: Dr. George Antoniou

Exploring elementary school students thinking of invariance through geometric transformations (A54)
Presenter: Douglas Platt
Advisor: Dr. Nicole Panorkou

Vanadium uptake and translocation in dominant plant species on an urban coastal brownfield site (A2)
Presenter: Yu Qian
Co-authors: Frank Gallagher, Meiying Wu, Qingzhi Zhu
Advisor: Dr. Huan Feng

Student perceptions of bullying at school (A38)
Presenter: Noel Rozier
Co-author: Christopher Donoghue
Advisor: Dr. Christopher Donoghue

Protecting equality: How prohibiting consideration of race and gender in university admissions violates equal protection (A40)
Presenter: Sujey Sanchez
Advisor: Dr. Ian Drake

Statistical modeling on water quality of rivers in Great Swamp Watershed (A62)
Presenter: Kaitlyn Scrudato
Co-authors: Haiyan Su, Meiying Wu
Advisor: Dr. Haiyan Su

Curbing demand: A legal and psychological look into prostitution in America (A61)
Presenter: Lauren Sharp
Advisor: Dr. Ian Drake
Title: Antecedents of leadership agency: Understanding leadership development (A19)
Presenter: Aishwarya Shashidhar
Advisor: Dr. Valerie Sessa

Title: Copy number potentials and whole-gene capturing abilities of helitron sequences in plants (A46)
Presenter: Kaitlyn Socha
Co-authors: Mahmoud Jurri, Cesar Silva
Advisor: Dr. Chunguang Du

Title: Particle aggregation patterns under thermal convection (A39)
Presenter: Siobhan Soltau
Co-author: Leo Hentschker
Advisor: Dr. Ashwin Vaidya

Title: The promulgation of racial profiling through immigration law (A18)
Presenter: Rosemary Soto
Advisor: Dr. Ian Drake

Title: Pubertal androgen exposure is related to handedness direction and strength (A3)
Presenter: Cara Struble
Co-authors: Ruth Propper, Tad Brunye
Advisor: Dr. Ruth Propper

Title: Ultrasound or electropalatography: Consideration of behavioral systems that affect a client's communicative performance (A49)
Presenter: Michelle Swartz
Advisor: Dr. Elaine Hitchcock

Title: The SNARC effect in judgment of size: Evidence for spatial representation of magnitude (A43)
Presenter: Jaclyn Wiener
Co-author: Jessyka Venchkoski
Advisor: Dr. Yoav Arieh

Title: Fixated on the end: Infants' looking bias towards goal events (A11)
Presenter: Katie Wiseman
Co-authors: Megan Sommer, Jessica Bury, Inae Colucio
Advisor: Dr. Laura Lakusta

Title: Characterizing the spectral properties of (-)-Epigallocatechin 3-O-gallate (EGCG) fluorescence in solvents of different polarity (A48)
Presenter: Michael Young
Co-authors: Ross Scott-Miller, David Rotella
Advisor: Dr. Vladislav Snitsarev

Title: PLTL + CI --> IBIS: Merging peer-led team learning and complex instruction to build an inquiry-based instructional supplement (A55)
Presenter: Karmen Yu
Advisor: Dr. Steven Greenstein
Poster Presentations
Block B: 3:45 pm – 5:00 pm
(Alphabetical by Presenter’s Last Name)

Title: Preparation of *B. stearothermophilus* DHFR mutants (B49)
Presenter: Dina Edani
Co-author: Maureen Malivert
Advisor: Dr. Nina Goodey

Title: A computational evaluation of the steric and electronic contributions to the stability of the structures of α- and β-D-Glucopyranose part 3: Energy versus Geometry for α- and β-D-glucopyranose (B30)
Presenter: Maryam Abdulsalam
Co-authors: Rofe Baello, Rabih Balilli, Christian Brutofsky
Advisor: Dr. Marc Kasner

Title: Examining the effects of eating habits on circadian rhythm and body weight: A link between humans and zebra fish (B28)
Presenter: Tasnia Aftab
Co-author: Sharmin Uddin
Advisor: Dr. Carlos Molina

Title: Effect of black tea extract on herpes simplex virus-2 infection of A549 cells (B42)
Presenter: Anum Aftab
Advisor: Dr. Sandra Adams

Title: A comparison of muscle activation of concentric versus eccentric contractions of the Rectus Abdominis during sit-ups (B4)
Presenter: Amanda Alfonso
Co-author: German Osorio
Advisor: Dr. David Middlemas

Title: Analyzing water transport in simulated tree branches using an imaging system (B58)
Presenter: Sue-Anne Alonso
Co-author: Luis Quinones
Advisors: Dr. Dirk Vanderklein, Dr. Ashwin Vaidya

Title: The influence of experience on diagnostic problem solving in undergraduate athletic training majors in the clinical setting (B2)
Presenter: Michelle Armonda
Advisor: Dr. Fredrick Gardin

Title: A potential role for 5,10-methenyltetrahydrofolate to protect flavin adenine dinucleotide in the DNA repair enzyme photolyase (B9)
Presenter: Stephanie Avalos
Advisor: Dr. Johannes Schelvis
Title: A computational evaluation of the steric and electronic contributions to the stability of the structures of α- and β-D-glucopyranose part 2: Natural bond orbital (NBO) analysis of monosubstituted cyclohexanes and pyrans (B39)
Presenter: Rofe Baello
Co-authors: Christian Brutofsky, Maryam Abdulsalam, Rabih Balilli
Advisor: Dr. Marc Kasner

Title: A computational evaluation of the steric and electronic contributions to the stability of the structures of α- and β-D-Glucopyranose part 4: Energy versus Geometry for α- and β-D-glucopyranose in aqueous solution (B20)
Presenter: Rabih Balilli
Co-authors: Christian Brutofsky, Maryam Abdulsalam, Rofe Baello
Advisor: Dr. Marc Kasner

Title: Job demands-resources model: Theory expansion and introduction to the influence on academic outcomes (B63)
Presenter: Taylor Barr
Advisor: Dr. Valerie Sessa

Title: Microwave-assisted synthesis of a water-soluble fluorescent biosensor (B11)
Presenter: Nicholas Bertinato
Co-author: Kaba Tandjigora
Advisor: Dr. John Isidor

Title: A computational evaluation of the steric and electronic contributions to the stability of the structures of α- and β-D-Glucopyranose part 1: Conformational analysis of monosubstituted cyclohexanes and pyrans (B34)
Presenter: Christian Brutofsky
Co-authors: Maryam Abdulsalam, Rofe Baello, Rabih Balilli
Advisor: Dr. Marc Kasner

Title: Early-life immigrants in middle and later life: Exploratory study (B6)
Presenter: Jessica Bury
Co-authors: Christine Price, Angelica Wilson
Advisor: Dr. Olena Nesteruk

Title: Effect of black tea theaflavins on Herpes Simplex Virus-2 infection of cultured cells (B17)
Presenter: Yvelande Cajuste
Advisor: Dr. Sandra Adams

Title: Burnout: The importance of self-care for school counseling professionals (B22)
Presenter: Christina Celfo
Co-author: Jaclyn Macchi
Advisor: Dr. Gloria Pierce

Title: The accuracies of nutrient labels in university food services: A quantitative study (B62)
Presenter: Stephanie Chavarria
Co-author: Hang Zhao
Advisor: Dr. Charles Feldman
Title: Automatically extracting a software word usage model from comments in Java (B68)
Presenter: Kathy Chowaniec
Co-author: Leah Dave
Advisor: Dr. Emily Hill

Title: Utilization of steam heat generated via microwave energy in seafood cooking (B55)
Presenter: Samuel Chung
Co-authors: John Schrade, Haiyan Su
Advisor: Dr. John Specchio

Title: What's missing? Student involvement among racial and ethnic minority and transfer students (B48)
Presenter: Moira Curtis
Co-author: Claudia Guevara
Advisor: Dr. Leslie Kooyman

Title: The influence of counseling and social support on levels of depression in fragile mothers (B40)
Presenter: Megan Delaney
Advisor: Dr. Dana Levitt

Title: Reviews of bullying victimization and teacher/parent perceptions (B36)
Presenter: Breanna Diaz
Advisors: Dr. Soyoung Lee, Dr. Tiffany Brown

Title: Fluorescent sensors for cations (B33)
Presenter: Agnieszka Dubiel
Co-authors: Marlenne Delgado, Michiru Sprague
Advisor: Dr. Saliya DeSilva

Title: Improved computational results for transition metal chemistry (B41)
Presenter: Nashali Ferrara
Advisor: Dr. Hendrik Eshuis

Title: Exploring digital inequality in an organizational setting (B1)
Presenter: Vincent Forgione
Advisor: Dr. Philip Bakelaar

Title: Strategic connections: Partnering adult 2nd degree earners with traditional undergraduates to promote student success (B27)
Presenter: Kelly Gentry
Advisor: Dr. Kim O'Halloran

Title: Associative learning for tone in Drosophila melanogaster (B64)
Presenter: Bradley Gold
Advisor: Dr. Julian Keenan

Title: Geotagger: An application to facilitate and promote collaborative, scientific inquiry (B25)
Presenter: Spencer Kordecki
Co-authors: David Dymko, Andrew DeStefano, Paul Cushman, Adebisi Adenipekun, Christopher Loeschorn
Advisor: Dr. Jerry Fails
Title: Proposal for future research to examine parental involvement in K-12 school food service offerings, nutrition, and child health outcomes (B57)
Presenter: Rachel Larkey
Advisor: Dr. Douglas Murray

Title: Investigating the effects of green tea polyphenols on endospore germination in Bacillus cereus, B. megaterium, and B. subtilis (B3)
Presenter: Nozrin Laskar
Co-authors: Hassan Tahir, Ami Rana, Tin-Chun Chu, Lee Lee
Advisor: Dr. Lee Lee

Title: Impact of a theory based nutrition education program, plant the seed, on healthy food choices among 6th grade students (B24)
Presenter: Karen Lee
Advisors: Dr. Yeonkyung Bai, Dr. Shahla Wunderlich

Title: Moving beyond racial battle fatigue to social justice in academia (B46)
Presenter: Anna Flores Locke
Co-authors: Sherlene Ayala, Sailume Walo-Roberts
Advisor: Dr. Muninder Ahluwalia

Title: Using technology to bridge the communication gap for children with selective mutism (B35)
Presenter: Ishwarya Manivannan
Advisor: Dr. Jerry Fails

Title: Leucine-aminopeptidase activities in heavy-metal contaminated soils from brownfields of Liberty State Park (B45)
Presenter: Carolyn Mathieu
Co-authors: Diane Hagmann, Jennifer Krumins, Nina Goodey
Advisor: Dr. Nina Goodey

Title: Molecular evolution of nuclear hormone receptor subfamily 3 in vertebrates (B59)
Presenter: Ariana Merari
Advisor: Dr. Robert Meredith

Title: Impacts of land use on the Passaic River's water quality (B7)
Presenter: Lindsey Mirrer
Advisor: Dr. Meiyin Wu

Title: The relationship between cooking confidence and body mass index among recent college graduates (B56)
Presenter: Vanessa Morley
Advisor: Dr. Shahla Wunderlich

Title: Aggregation of alpha synuclein (B32)
Presenter: Michael Munoz
Co-author: Robert Booth
Advisor: Dr. David Talaga
<table>
<thead>
<tr>
<th>Title</th>
<th>Presenter</th>
<th>Co-authors</th>
<th>Advisor</th>
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<tbody>
<tr>
<td>Isolation and characterization of two novel mycobacterium smegmatis bacteriophage from New Jersey soil (B52)</td>
<td>Nadeem Obaydou</td>
<td>Yasmeen Abboud, Sheetal Agarwal, Dwa'a Alkhalaf, Randy Arsheed, Ikenna Anyanwu, Victoria Borden, Alyssa Boudreau, William Brooks, Nico Carbone, et al.</td>
<td>Dr. Sandra Adams</td>
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<tr>
<td>If we promote it, will MSU students come? Marketing roller derby to college students (B26)</td>
<td>Connor O'Brien</td>
<td>Yarissa Marte, Daniel Bonino</td>
<td>Dr. Ricard Jensen</td>
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<tr>
<td>One set of global accounting standards: Is this a realistic possibility? (B60)</td>
<td>Gifty Oduro</td>
<td>Gifty Oduro, Lan Luo, Neveen Yanny, Anita Wenzel</td>
<td>Dr. Agatha Jeffers</td>
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<tr>
<td>Learning meaning by writing extended metaphor (B12)</td>
<td>Christopher Parker</td>
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<td>Dr. Mark Weinstein</td>
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<tr>
<td>The effects of EGCG-stearate on the cellular processes of HSV-1 infected Vero cells (B31)</td>
<td>Valerie Paschalis</td>
<td></td>
<td>Dr. Quinn Vega</td>
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<tr>
<td>Geothermobarometry of the cordierite-bearing metapelites from the Hudson Highlands, Southeastern NY (B44)</td>
<td>Jay Patel</td>
<td>Matthew Gorring</td>
<td>Dr. Matthew Gorring</td>
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<tr>
<td>The inhibitory effects of EGCG and EGCG-stearate on Herpes Simplex Virus 1 (HSV-1) in cultured human epithelial A549 cells. (B15)</td>
<td>Shivani Patel</td>
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<td>Dr. Lee Lee</td>
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<tr>
<td>Comparison of muscle activation between dumbbell and elastic resistance in a bicep curl (B8)</td>
<td>Spiro Petritsis</td>
<td>Matthew Barlow</td>
<td>Dr. Steven Leigh</td>
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<tr>
<td>Factors associated with pumping breast milk on campus (B18)</td>
<td>Gina Pope</td>
<td>Lauren Dinour, Yeon Bai</td>
<td>Dr. Lauren Dinour</td>
</tr>
<tr>
<td>Effects of land use on water quality of the Passaic River through Coliform bacteria levels (B65)</td>
<td>Myla Ramirez</td>
<td>Jewel Lipps, Paul Tomasula</td>
<td>Dr. Meiyin Wu</td>
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<td>Project DASH: Divas against the spread of HIV/AIDS: A pilot exploration on HIV risk and prevention among African American HIV+ women and their adolescent daughters (B54)</td>
<td>Lauren Ramos</td>
<td>Dr. Ndidi Amutah</td>
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<tr>
<td>Fabrication of SAM based molecular tunnel junctions: Challenges and solutions (B53)</td>
<td>Brian Ruderman</td>
<td>Dr. Patrick Truitt</td>
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<td>Green tea polyphenols enhance the activity of antibiotics (B43)</td>
<td>Syed Samy</td>
<td>Dr. Lee Lee</td>
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<tr>
<td>Expression and purification of a potential antifolate target, dihydrofolate reductase from B. malayi (B69)</td>
<td>Karla Sanchez</td>
<td>Dr. Nina Goodey</td>
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<tr>
<td>Disappointed and distant: The impact of parents' negative views of non-heterosexuality on the sexual lives of their LGBTQ adolescent children (B37)</td>
<td>Paul Santos</td>
<td>Dr. Lisa Lieberman, Dr. Eva Goldfarb</td>
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<tr>
<td>Effects of hard-clam grow outs on benthic invertebrate communities in Barnegay Bay, NJ – Year 1 (B29)</td>
<td>Rebecca Shell</td>
<td>Dr. Robert Prezant</td>
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<tr>
<td>Inferring biological networks using boolean-sparse network inference methods (B47)</td>
<td>Vladimir Solano</td>
<td>Wenwei Xiong, Chunguang Du</td>
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<td>Dr. Chunguang Du</td>
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<td>Structural characterization of thymine cyclobutane dimers in solution (B5)</td>
<td>Marc Soojian</td>
<td>Dr. Johannes Schelvis</td>
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<tr>
<td>The migratory effect of the World Trade Center particulate matter on human pulmonary fibroblasts (B21)</td>
<td>Felix Dailey Sterling</td>
<td>Daseul Baik, Dahiana Caicedo</td>
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<td>Dr. Ann Marie DiLorenzo</td>
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<td>Dr. Kirsten Monsen-Collar</td>
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</tbody>
</table>
Title: The effect of EGCG and EGCG-stearate on bacterial biofilm formation (B16)
Presenter: Hassan Tahir
Co-authors: Nora Mustafa, Chris Chen, Lee Lee
Advisor: Dr. Lee Lee

Title: Meaning-making after caregiving: How counselors can help bereaved family caregivers engage in a search for meaning (B14)
Presenter: Kim Tassinari
Advisor: Dr. Harriet Glosoff

Title: Homes in and next to flood zones and their financial demographic (B50)
Presenter: Matthew Trenk
Advisor: Dr. Joshua Galster

Title: Taking the T out of LGBT: A foundation for counseling the transgender community (B61)
Presenter: Stacy Wahlstrom
Co-authors: William Baker, Jerry Collins
Advisor: Dr. Matthew Shurts

Title: Determining the reliability between live and video observations of foot type in athletes (B13)
Presenter: Jennifer Williams
Advisor: Dr. Fredrick Gardin

Title: Forest based energy acceptability and profitability in Southern United States (B23)
Presenter: Bernabas Wolde
Co-authors: Pankaj Lal, Deniz Ozenbas
Advisor: Dr. Pankaj Lal

Title: Noyce at Montclair: Preparing the effective elementary mathematics teacher (B51)
Presenter: Trina Wooten
Co-authors: Erin Krupa, Jennifer Robinson
Advisor: Dr. Steven Greenstein

Title: Sexual harassment prevention education: Exploring factors influencing attitude toward bystander intervention in college women (B19)
Presenter: Amy Zavadil
Advisor: Dr. Brian Carolan

Title: Comparison of nutrient retention in vegetables cooked by conventional and inverter microwave ovens (B38)
Presenter: Hang Zhao
Advisor: Dr. Yanyan Li
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Ndidiamaka N. Amutah received her PhD in Maternal and Child Health at the University of Maryland, College Park School of Public Health. Her current research interests include health disparities, reproductive health, infant mortality and HIV/AIDS in ethnic minority populations. She is a member of the American Public Health Association and is currently active in the Maternal and Child Health section. She has worked as a researcher in community-based research settings in a variety of areas including maternal and child health and HIV/AIDS. She has published and presented at national and international conferences on health disparities.

**Dr. Antoinette J. Pole**
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Antoinette DJ. Pole is an assistant professor of Political Science and Law. After earning her Ph.D. at CUNY, Graduate School and University Center in Political Science she spent two years as post-doctoral researcher for the Taubman Center at Brown University. Her research focuses on information technology and politics; state politics; and food and politics. She has published two books and numerous peer-reviewed journal articles exploring theoretical questions related to representation, political participation and community.

**Dr. Diana Thomas**
Professor, Mathematical Sciences, College of Science and Mathematics

Dr. Diana Thomas is a professor of mathematics and director of the Center for Quantitative Obesity Research at Montclair State University. Her current research involves applications of mathematics to guide and inform patients regulating their body weight. Her models combine data collected from clinical trials involving human body weight regulation stretching back over a century to arrive at mathematically driven conclusions. Her work is truly interdisciplinary; she works in close collaboration with geneticists and nutritionists and has appeared in medical journals.

**Dr. Mark L. Berenson**
Professor, Information and Operations Management, School of Business

Mark L. Berenson is a member of the Department of Information and Operations Management and Professor Emeritus, Statistics, Zicklin School of Business, Baruch College – CUNY. He has received several awards for excellence in teaching and his research has been published in a variety of journals in such diverse fields as decision sciences, statistics, psychometrics, educational research, management sciences, health administration, behavioral medicine and surgical oncology. He is coauthor of 11 books, including Basic Business Statistics: Concepts and Applications. He is also a former president of the New York Metropolitan Area Chapter of the American Statistical Association. He has been involved in global human rights issues and has developed and co-taught a GenEd course on international issues.

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