10th Annual Student Research Symposium

Friday, April 15, 2016 | 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
Feliciano School of Business | The Graduate School

Montclair State University
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Message from the Provost

To the faculty and student participants of the University-wide Montclair State Student Research Symposium:

This event, with some 230 participants from all across the University, expresses 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 lifelong learning.

Even more satisfying and rewarding, then, is the challenge of tackling a problem with a toolbox of multiple methodologies, with an inter- or multi-disciplinary 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 are the essential qualities of a successful life? Does poetry matter?) or to previously unknown functions of nature (How well do parrots communicate? How unique is the DNA of surviving native brook trout in New Jersey streams?).

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

1:00 pm – 1:30 pm  **Registration**  
University Hall Grand Hallway, 1<sup>st</sup> Floor

1:30 pm – 1:45 pm  **Opening Remarks: Dr. Willard Gingerich**  
Provost and Vice President for Academic Affairs  
*The Intrinsic Value of Interdisciplinary Research*  
University  
University Hall Room 1070

1:50 pm – 2:45 pm  **Oral and Multimedia Presentations Block A**  
Room assignments listed in program

2:45 pm – 3:00 pm  **Break**

3:00 pm – 3:55 pm  **Poster Session Block A**  
University Hall Conference Center, 7<sup>th</sup> Floor

4:00 pm – 4:55 pm  **Oral and Multimedia Presentations Block B**  
Room assignments listed in program

5:00 pm – 5:55 pm  **Oral and Multimedia Presentations Block C**  
Room assignments listed in program

6:00 pm – 6:55 pm  **Poster Session Block B**  
University Hall Conference Center, 7<sup>th</sup> Floor

7:00 pm  **Award Presentations and Closing Remarks**  
University Hall Conference Center, 7<sup>th</sup> Floor
Oral and Multimedia Presentations
Block A: 1:50 pm – 2:45 pm

1. Graduate Award Nominees – University Hall 2044
Moderator: Dr. Christopher McKinley

Title: Understanding the recreational harvest of snapping turtles in New Jersey
Presenter: Natalie Sherwood  Advisor: Dr. Meiyin Wu
Co-author: Pankaj Lal

Title: Food choices and health outcomes: An international comparison
Presenter: Theresa Koneski  Advisor: Dr. Douglas Murray
Co-author(s): Douglas Murray, Renata Blumberg, Shahla Wunderlich

Title: Children should be playing at a play - The importance of active participation through play in children's theatre
Presenter: Rebecca Campbell  Advisor: Ms. Andrea Stover

Title: "The Monster’s" monster: Race, disability and social darwinism in Stephen Crane’s "The Monster"
Presenter: Jennifer Daly  Advisor: Dr. Monika Elbert

2. Undergraduate Award Nominees – University Hall 2042
Moderator: Ms. Linda Davidson

Title: The making - and unmaking - of The Winter's Tale: A semiology of costumes
Presenter: Allison Gormley  Advisor: Dr. Neil Baldwin

Title: RIRPA-based ab initio molecular dynamics
Presenter: Ryan Dykstra  Advisor: Dr. Hendrik Eshuis

Title: Latin American approaches to health and healing
Presenter: Cassandra Calle  Advisor: Dr. Mark Clatterbuck

3. Individual Rights in American Criminal Law – University Hall 2040
Moderator: Dr. Ian Drake

Title: Securing the right to privacy in an age of modern surveillance: What happens when technology evolves faster than the law
Presenter: Mishella Romo  Advisor: Dr. Ian Drake

Title: Mandatory Minimum Sentences: The Call for Reform in the Criminal Justice System
Presenter: Justin Rucci  Advisor: Dr. Ian Drake

Title: Publicized adjudication: The legal and sociological impact of trial publicity in judicial hearings
Presenter: Ryan Stacy  Advisor: Dr. Ian Drake
Moderator: Dr. Elizabeth Wishnick

Title: Crime in Peru: Analyzing drug trafficking, narcoterrorism, and corruption
Presenter: Anna Samanamu Advisor: Dr. Elizabeth Wishnick

Title: Ebola and health security in Sierra Leone
Presenter: Samuel Gundlach Advisor: Dr. Elizabeth Wishnick

Title: “Somali piracy”: Human security and state security threats
Presenter: Zahra Mustamand Advisor: Dr. Elizabeth Wishnick

Title: Saudi Arabia’s border security dilemma
Presenter: Travis Gross Advisor: Dr. Elizabeth Wishnick

5. Higher Education and Pedagogy – University Hall 2026
Moderator: Dr. Peter Hosick

Title: Assessing the state of academic programs in sports, events and tourism at universities across the USA - Looking at trends and what they suggest for pedagogy and career development
Presenter: Jessica Karwowski Advisor: Dr. Ricard Jensen

Title: Nurturing teacher leaders through actions and agency: A differentiated science teacher leadership program
Presenter: Zareen Rahman Advisor: Dr. Mika Munakata
Co-author(s): Jason McManus, Kristen Trabona

Title: Introducing dynamic measurement: A new approach to area and volume
Presenter: Debasmita Basu Advisor: Dr. Nicole Panorkou
Co-author: Madhavi Vishnubhotla

Title: Conceptualization of scientific inquiry: An analytical review of the empirical literature
Presenter: Theodore Graham Advisor: Dr. Brian Carolan

Title: Going overseas: Challenges, benefits and lessons learned from international evaluation
Presenter: Marisa MacDonnell Advisor: Dr. Jennifer Urban
Co-author(s): Lauren Gama, Victoria Illnick, Rebecca Jensen, Lisa Chauveron, Veronica Barrios, Miriam Linver, Jennifer Urban
6. Government Regulation and Regulatory Policy – University Hall 2025
Moderator: Dr. Vikash Singh

Title: A content analysis of FDA warning letters issued to pharmaceutical companies
Presenter: Avianca Goldston
Co-author(s): Michael Jarjoura, Louis Marucci
Advisor: Dr. Yam Limbu

Title: What can we learn from warning letters issued to tobacco retailers?
Presenter: Victoria Stein
Co-author(s): Frank Costa, Brandon Pepi
Advisor: Dr. Yam Limbu

Title: The impact of deregulation of extended opening hours on small retailers’ productivity and quality of life: Evidence from Italy
Presenter: Cynthia Kum
Co-author: David Lee
Advisor: Mr. Valerio Temperini

Title: The modern day mercantilist system: The state of nature for multinational corporations
Presenter: Troy Dorch
Advisor: Dr. Ian Drake

7. Art, Design, Gender – University Hall 2013
Moderator: Dr. Mary Naumoff

Title: Shiva Nataraja, the lord of dance
Presenter: Gorkem Eroglu
Advisor: Dr. Elizabeth Valdez del Alamo

Title: Splash dynamics of paint on dry, wet, and cooled surfaces
Presenter: David Baron
Co-author: Ashwin Vaidya, Haiyan Su
Advisor: Dr. Ashwin Vaidya

Title: Menswear inspired by womenswear
Presenter: Christopher Jones
Advisor: Dr. Abby Lillethun

Title: Consequences of pleasure: The wolf of Wall Street and the subversion of the male gaze
Presenter: Daniel Ferrer
Advisor: Dr. Marylou Naumoff

8. Sports and Social Media – University Hall 2010
Moderator: Dr. Ricard Jensen

Title: Testing of twitter visual analytics to assess social media conversations (facebook, twitter and Instagram) about the Portland Timbers of major league soccer
Presenter: Nick Carbonaro
Co-author(s): Mike Lutes, Josh Roth
Advisor: Dr. Ricard Jensen

Title: Examining social media conversations about the 2015 FIFA Women’s World Cup
Presenter: Sydney Garcia
Co-author(s): Phil Forde, Sydnie Martinez
Advisor: Dr. Ricard Jensen
Title: Identifying how soccer clubs in the English Premier League are using social media for sports marketing - A detailed look at the use of facebook, twitter, YouTube, and other new media by professional soccer clubs
Presenter: Kent Sagun
Co-author(s): Gregory Jobeless, Chris Borrosso
Advisor: Dr. Ricard Jensen

Title: Exploring twitter visual analytics to assess sponsor exposure from televised broadcasts of the Portland Timbers of major league soccer
Presenter: Sadaf Chagatay
Co-author(s): Michelle Buestan, Timothy Youngman
Advisor(s): Dr. Ricard Jensen, Dr. Yam Limbu

Title: Examining television ratings in New Jersey and New York for the 2015 FIFA Women's World Cup - Implications for sports marketing
Presenter: Jarrell Lozada
Co-author: Rokhaya Fall
Advisor: Dr. Ricard Jensen

9. Ecology and Environmental Health – University Hall 2009
Moderator: Dr. Meiyin Wu

Title: Experimental assessment of floating seagrass wrack as potential habitat for benthic organisms
Presenter: Joseph McGinnis
Co-author: Paul Bologna
Advisor: Dr. Paul Bologna

Title: Macroinvertebrate assemblages in selected New Jersey springs
Presenter: Yaritza Acosta-Caraballo
Advisor: Dr. Meiyin Wu

Title: A phosphorus sediment storage assessment of Lake Hopatcong (NJ)
Presenter: Alessandra Rossi
Co-author(s): Kevin Olsen, Meiyin Wu
Advisor: Dr. Meiyin Wu

Oral and Multimedia Presentations
Block B: 4:00 pm – 4:55 pm

1. Nutrition – University Hall 2008
Moderator: Dr. Douglas Murray

Title: A content analysis of regulatory letters released to dietary supplement manufacturers
Presenter: Nisa Arias
Co-author(s): Rosenny Martinez, Imani Odom, Frank Buchel
Advisor: Dr. Yam Limbu

Title: Comparing measurements of emotional reactions to salt intake using facereader and hedonic self-reports: A preliminary study
Presenter: Mohamad Khair
Co-author(s): Renata Blumberg, Charles Feldman, Shahla Wunderlich
Advisor: Dr. Charles Feldman
2. Literature – University Hall 2044
   Moderator: Dr. Melinda Knight

   Title: Langston Hughes; More than poetry, more than prose
   Presenter: Rashaneegon Johnson   Advisor: Dr. Melinda Knight

   Title: The existential dilemma of Harlem Renaissance author Nella Larsen
   Presenter: Kim Silva-Martinez   Advisor: Dr. Melinda Knight

   Title: Becoming one with time: Literary immortality in “Sonnet 18”
   Presenter: Faneeza Latchana   Advisor: Dr. Adam Rzepka

   Title: ”She is gone”: Melancholy in donne's anniversaries
   Presenter: Kimberly Plaksin   Advisor: Dr. Adam Rzepka

   Title: Facts in fiction: An interdisciplinary approach to gaining legal understanding through literature
   Presenter: Lauren Haberstroh   Advisor: Dr. Marilyn Tayler

3. Literature and Multiculturalism – University Hall 2042
   Moderator: Dr. Linda Gould Levine

   Title: The new testament as a "Greek classics"
   Presenter: Benjamin Miller   Advisor: Ms. Beth Scheckel

   Title: Don Quijote: “Stew a la cervantes - Un potage a la Cervantes”
   Presenter: Joseph Diaz   Advisor: Dr. Linda Gould Levine

   Title: The complex identity of Quisqueya, Haiti
   Presenter: Cala Fils   Advisor: Dr. Joanna Dezio

   Title: The influence of Don Quixote de la Mancha on the silent films of Charlie Chaplin
   Presenter: Joseph Gonzalez   Advisor: Dr. Linda Gould Levine

   Title: Lineage: A humanist interpretation of Don Quijote
   Presenter: Wilkin Santana   Advisor: Dr. Linda Gould Levine

4. Race and Ethnicity – University Hall 2040
   Moderator: Dr. Sangeeta Parashar

   Title: Racially charged costumes: A report on 'othering' behavior
   Presenter: Fe Lorraine Reyes   Advisor: Dr. Marylou Naumoff
Title: Borderlands and Mexican-American identity  
Presenter: Mia Gomez  Advisor: Dr. Elspeth Martini

Title: Latino youth advocating for social change  
Presenter: Carolina Mendonca  Advisor: Dr. Bradley Forenza  
Co-author: Bradley Forenza

Title: America’s caste system: Intergenerational mobility from 1972-2012  
Presenter: Michelle Strothers  Advisor: Dr. Sangeeta Parashar  
Co-author: Shannel Paulino

5. Business and Economics – University Hall 2032  
Moderator: Dr. Elspeth Martini

Title: Statistical models for predicting credibility for bankers  
Presenter: Michael Restrepo  Advisor: Dr. Haiyan Su

Title: Is there profitability in responsibility?  
Presenter: Nicholas William  Advisor: Dr. Manveer Mann

Title: The prevalence of social media marketing among Italian SMEs  
Presenter: Alban Dalliu  Advisor: Mr. Valerio Temperini  
Co-author(s): Farakh Chaudhry, Jovan Djuratovic

Title: Economic inconsistencies of the mid-twentieth century and the unfulfilled mission of the national park service  
Presenter: Christopher Sudol  Advisor: Dr. Esperanza Brizuela-Garcia

Title: Borderlands in the Great Lakes: The native struggle redefined  
Presenter: Taylor Hagy  Advisor: Dr. Elspeth Martini

6. Health Care Policy and Public Health– University Hall 2026  
Moderator: Dr. Lisa Lieberman

Title: A view on the constitutional rights of adolescent patients  
Presenter: Brian Murray  Advisor: Dr. Ian Drake

Title: A social ecological perspective on the Indonesian maternal mortality problem  
Presenter: Inraini Syah  Advisor: Dr. Amanda Birnbaum

Title: ‘Nicotine free challenge’ call for actions!  
Presenter: Kadek Ridoi Rahayu  Advisor: Dr. Lisa Lieberman

Title: An environmental assessment of drinking fountains and vending machines  
Presenter: Alessandro Ciari  Advisor: Ms. Melanie Shefchik

Title: Fatalities on America’s highways: Trends and tendencies  
Presenter: Keyan Ostad-Hashemi  Advisor: Dr. Greg Pope
7. Chemistry and Biochemistry I – University Hall 2025
Moderator: Dr. Nina Goodey

Title: Ionic liquid based fluorescent sensors for cations
Presenter: Johanna Breininger  Advisor: Dr. Saliya Desilva

Title: A fluorescent sensor for Zinc (II) ions with an additional PET pathway to suppress protons signals
Presenter: Brian Huapaya  Advisor: Dr. Saliya Desilva
Co-author: Andrew Schneier

Title: Metals and microbes at Liberty State Park
Presenter: Eleanor Ojinnaka  Advisor: Dr. Nina Goodey
Co-author(s): Nina Goodey, Jennifer Krumins, Jay Singh

Title: Expression, purification, and enzymatic profile of Brugia malayi dihydrofolate reductase
Presenter: Romy Perez-Abraham  Advisor: Dr. Nina Goodey

8. Chemistry and Biochemistry II – University Hall 2013
Moderator: Dr. Sandra Passhier

Title: Binding of KL001 to CRY-DASH as a function of FAD oxidation state
Presenter: Pamela Jumbo Cueva  Advisor: Dr. Yvonne Gindt
Co-author(s): David Konas, Derek Darby, Yvonne Gindt

Title: Modeling the formation of tetrahydropyranyl radicals via hydrogen abstraction
Presenter: Robert Booth  Advisor: Dr. Marc Kasner

Title: Investigation of pH effects on the formation and degradation of unusual oxidation states in Sufolobus solfataricus photolyase
Presenter: Justin Vercellino  Advisor: Dr. Yvonne Gindt
Co-author(s): Mengqi Li, Sudipto Munshi, Robert Stanley, Yvonne Gindt

9. Environment and Disasters – University Hall 2010
Moderator: Dr. Jennifer Krumins

Title: Environmental correlates of ranavirus disease distribution in New Jersey
Presenter: Adriana Messyasz  Advisor: Dr. Lisa Hazard
Co-author(s): Lisa Hazard, Kirsten Monsen-Collar

Title: Analysis of plioene core DVDP-11 as evidence of a vegetated coastline
Presenter: Christina Verhagen  Advisor: Dr. Sandra Passchier

Title: Transport and distribution of heavy metals in sediment in Bohai Bay
Presenter: Yuanyi Li  Advisor: Dr. Huan Feng
Co-author(s): Huan Feng, Dekui Yuan, Jing Nie
# Oral and Multimedia Presentations

**Block C: 5:00 pm – 5:55 pm**

## 1. War and Violence – University Hall 2009
**Moderator: Dr. Brian Smith**

<table>
<thead>
<tr>
<th>Title</th>
<th>Presenter</th>
<th>Advisor</th>
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<tr>
<td>Causal effects of occupation: What drives individuals to violence?</td>
<td>Travis Gross</td>
<td>Dr. Tony Spanakos</td>
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<tr>
<td>Because God says so! How and why cult members fall victims of the Stockholm syndrome: The example of Jonestown</td>
<td>Seraphine Nzue-Agbadou</td>
<td>Dr. Lois Oppenheim</td>
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<td>Democracy in the Middle East and its effect on human rights: An interdisciplinary analysis</td>
<td>Tamara Anaie</td>
<td>Dr. Ian Drake</td>
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<td>The liberal and realist approach for war and peace</td>
<td>Valeria Valle</td>
<td>Dr. Brian Smith</td>
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## 2. Infants, Children, and Youth – University Hall 2008
**Moderator: Dr. Laura Lakusta**

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<tr>
<th>Title</th>
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<tr>
<td>The language of support in young children’s spontaneous speech</td>
<td>Maria Brucato</td>
<td>Dr. Laura Lakusta</td>
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<td>Infants categorization of goal events</td>
<td>Danielle Spinelli</td>
<td>Dr. Laura Lakusta</td>
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<td>Thinking ahead: The role of goal selection in youth future mindedness</td>
<td>Marisa MacDonnell</td>
<td>Dr. Jennifer Urban</td>
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<td>Predicting positive youth development from self regulation and sense of purpose in early adolescence</td>
<td>Lauren Gama</td>
<td>Dr. Miriam Linver</td>
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<td>Victoria Illnick, Marisa MacDonnell, Veronica Barrios, Lisa Chauveron, Rebecca Jensen, Miriam Linver, Jennifer Urban</td>
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3. Social Justice - University Hall 2008  
Moderator: Dr. Tony Spanakos

Title: Social justice in developmental science  
Presenter: Veronica Barrios  
Advisor: Dr. Jennifer Urban  
Co-author(s): Marisa MacDonnell, Lisa Chauveron

Title: Factors predicting unmet need and contraception use among married women in Pakistan  
Presenter: Muhammad Raza  
Advisor: Dr. Bradley van Eeden-Moorefield

Title: The brics: A model for poverty reduction?  
Presenter: Matthew Zuccaro  
Advisor: Dr. Tony Spanakos

Title: Two decades, two worlds - A look into the 1996 and 2016 Olympic games  
Presenter: Emma Cimo  
Advisor: Ms. Kelly Whiteside  
Co-author: Fabricio Costa

4. Myth - University Hall 2042  
Moderator: Dr. Glen Gill

Title: Agricultural symbolism as the foundation of myth  
Presenter: Samantha Bohr  
Advisor: Dr. Glen Gill

Title: Mythology and the human psyche: C.G. Jung on the rebirth of man  
Presenter: Ryan Oxild  
Advisor: Dr. Glen Gill

Title: Classical and medieval mythologies through the lens of Freud  
Presenter: Daniel Salazar  
Advisor: Dr. Glen Gill

5. Linguistics – University Hall 2040  
Moderator: Dr. Anna Feldman

Title: Automatic annotation of game-changing events in an eSports corpus  
Presenter: Emily Olshefski  
Advisor: Dr. Anna Feldman

Title: Unsupervised identification of idiomatic expressions  
Presenter: Hamza Jazmati  
Advisor(s): Dr. Anna Feldman, Dr. Jing Peng

Title: The importance of visual prosody in sentiment discrimination  
Presenter: Joanne Quinn  
Advisor: Dr. Jonathan Howell
6. Technology – University Hall 2032  
Moderator: Dr. Yi Luo

Title: **Identifying users in an anonymized social network**  
Presenter: Andrew Pallotto  
Advisor: Dr. Jonathan Cutler

Title: **Rights for robots? Should beings with artificial intelligence be accorded human rights?**  
Presenter: Priya Persaud  
Advisor: Dr. Ian Drake

Title: **Bridging the 2nd and 3rd dimensions: Crossing over**  
Presenter: Evans Mbai  
Advisor: Ms. Lauren Carr

7. Counseling and Psychology – University Hall 2026  
Moderator: Dr. Joshua Sandry

Title: **Applying neuroscience research to counseling practice for neurocurious clinicians**  
Presenter: Kathy Shoemaker  
Advisor: Dr. Leslie Kooyman

Title: **The relationship between bullying and suicidal ideations among suburban adolescents: The mediating risk factors**  
Presenter: David Lardier Jr.  
Advisor: Dr. Robert Reid  
Co-author(s): Veronica Barrios, Pauline Garcia-Reid, Robert Reid

Title: **The effect of future oriented tasks vs incidental orienting task on item-to-item associations**  
Presenter: Victoria Winters  
Advisor: Dr. Joshua Sandry

Title: **Flexibility of the focus of attention and its effect on long-term memory for sequentially presented information**  
Presenter: Mark Zuppichini  
Advisor: Dr. Joshua Sandry  
Co-author: Joshua Sandry

8. Microbiology and Natural Products – University Hall 2025  
Moderator: Dr. Lee Lee

Title: **Testing the efficacy of green tea polyphenols in inhibiting the germination of endospores of Bacilli sp. through in-vitro analysis**  
Presenter: Bushra Ali  
Advisor: Dr. Lee Lee

Title: **Green tea polyphenols inhibit biofilm formation in the dental cavity causing bacteria streptococcus mutans**  
Presenter: Amy Lynn Melok  
Advisor: Dr. Lee Lee

Title: **Green tea polyphenols and antibiotics synergistically inhibit the growth of bacteria**  
Presenter: Siti Ayuni Mohamed Yussof  
Advisor: Dr. Lee Lee
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<tr>
<td>Analysis of novel alternative to targeting prosthetic joint infections in vitro</td>
<td>Christopher Chen</td>
<td>Dr. Lee Lee</td>
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<td>Moderator: Dr. Eric Forgston</td>
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<td>Gravitational waves from eccentric binaries</td>
<td>Blake Moore</td>
<td>Dr. Marc Favata</td>
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<td>&quot;Early-warning signals&quot; predictors of extinction events in dynamical models</td>
<td>Walter Ullon</td>
<td>Dr. Eric Forgoston</td>
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<td>The ping-pong effect: Extinction dynamics in stochastic populations with migration</td>
<td>Alexa Aucoin</td>
<td>Dr. Eric Forgoston</td>
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<tr>
<td>Randić connectivity indices and energy of cycle based graphs</td>
<td>Jhonny Almeida</td>
<td>Dr. Aihua Li</td>
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Poster Presentations

Block A: 3:00 pm – 3:55 pm

(Alphabetical by Presenter’s Last Name)

Graduate Award Nominees for Poster Presentations

Title: Hostile intent cognitions as a moderator of negative life events and aggression in school-aged children (A37)
Presenter: Evelyn Duran
Co-author(s): Holly Kobezak, Jenna Taffuri, Jeremy Fox, Julie Ryan, Leslie Halpern
Advisor: Dr. Jeremy Fox

Title: Exploring variations in teacher and student agency in an out-of-school videogame-based mathematics class (A69)
Presenter: Justin Seventko
Advisor: Dr. Steven Greenstein

Undergraduate Award Nominees for Poster Presentations

Title: Unlawful enemy combatants: The rights of a faceless enemy (A66)
Presenter: Jonathan Kyparissis
Advisor: Dr. Ian Drake

Title: Music influences food selection (A68)
Presenter: Sarah Lyons
Co-author(s): Alexandra Pyper, Tamaru Geller, Khadeeja Riaz, Scarlet Ruiz, Sara Panei
Advisor: Dr. Debra Zellner

Title: Green tea polyphenols: A potential synergistic antibacterial agent in oral care products (A1)
Presenter: Yasmeen Abboud
Co-author(s): Amy Lynn Melok, Siti Ayuni Mohamed Yossuf, Lee Lee, Christopher Chen
Advisor: Dr. Lee Lee

Title: Comparison of turn alternation frequencies in nymph and adult Turkestan Cockroaches (Blatta lateralis) (A2)
Presenter: Andrew Aboagye
Advisor: Dr. Scott Kight

Title: Determining the optimal starting technique for stealing a base (A3)
Presenter: Connor Abreu
Advisor: Dr. Steven Leigh

Title: Macroinvertebrate assemblages in selected New Jersey springs (A4)
Presenter: Yaritza Acosta-Caraballo
Advisor: Dr. Meiyin Wu
Title: **Class connect (A5)**
Presenter: Jeffrey Adamski
Co-author: Sebastian Kufel
Advisor: Dr. Christopher Leberknight

Title: **Model and analysis of statewide precipitation data over recent years (A6)**
Presenter: Sahar Ahmed
Advisor: Dr. Andrew McDougall

Title: **Examining how allosteric mutations affect ligand binding and specificity on dihydrofolate reductase (A7)**
Presenter: Melany Alfonso
Co-author(s): Nina Goodey, Romy Perez, Danielle Marie Le Roux
Advisor: Dr. Nina Goodey

Title: **Coping with loss and bereavement across long distances: Reflections of older immigrants (A8)**
Presenter: Eva Apelian
Co-author(s): Olena Nesteruk, Ronica Pangilinan
Advisor: Dr. Olena Nesteruk

Title: **Language development of goal spatial prepositions (A9)**
Presenter: Jessica Ardis
Co-author(s): Laura Lakusta, Amrita Bindra, Michelle Indarjit
Advisor: Dr. Laura Lakusta

Title: **Prevalence of the pathogens Ranavirus and Batrachochytrium dendrobatidis among Woodfrog populations in the Pinelands (A10)**
Presenter: Araba Assan
Co-author: Dwa'a Alkhalaf
Advisor: Dr. Kirsten Monsen-Collar

Title: **Green infrastructure (A11)**
Presenter: Mikayla Atkins
Advisor: Dr. Greg Pope

Title: **A potential role for 5,10-methenyltetrahydrofolate to protect flavin adenine dinucleotide in the DNA repair enzyme photolyase (A12)**
Presenter: Stephanie Avalos
Co-author: Johannes Schelvis
Advisor: Dr. Johannes Schelvis

Title: **Application of near surface geophysical methods to image water table response in an Alpine Meadow, Northern California (A13)**
Presenter: Mike Ayers
Co-author(s): Tanya Blacic, Mitchell Craig, Sarah Yarnell
Advisor: Dr. Tanya Blacic
Title: **Eye-tracking fixation variation and interaction between verb telicity and adverb type (A14)**
Presenter: Froogh Aziz
Advisor: Dr. David Townsend

Title: **Should college athletes receive compensation? (A15)**
Presenter: Kyle Banas
Advisor: Dr. Ian Drake

Title: **Impacts of gelatinous Zooplankton on pelagic community structure in Barnegat Bay, NJ (A16)**
Presenter: Christie Barry
Co-author(s): Paul Bologna, John Gaynor
Advisor: Dr. Paul Bologna

Title: **Coastal vulnerability of Atlantic County New Jersey (A17)**
Presenter: Anthony Bevacqua
Advisor: Dr. Danlin Yu

Title: **The ecology of St. John Bay mangrove-root fouling communities: Recovery of the epibiota community (A18)**
Presenter: Alan Buob
Co-author: Paul Bologna
Advisor: Dr. Paul Bologna

Title: **Comparison of DNA repair in mesophilic and thermophilic systems (A19)**
Presenter: Elizabeth Burger
Co-author: Yvonne Gindt
Advisor: Dr. Yvonne Gindt

Title: **Love that dirty water: Potential microbial diversity in on-street hot dog water (A20)**
Presenter: Nelson Casanova
Co-author(s): Jessica Rajchel, Annamaria De Bari, Julian Paul Keenan, Robert Meredith
Advisor: Dr. John Gaynor

Title: **MSU sustainability center: Inspired by earthship (A21)**
Presenter: Stephano Castro
Advisor: Dr. Robert Taylor

Title: **Photoactivation of CF3I in the presence of photoexcited Ru(bpy)3+ (A22)**
Presenter: Julianna Chedid
Advisor: Dr. Hendrik Eshuis

Title: **Gun violence vs. state laws (A23)**
Presenter: Matthew Cheung
Co-author(s): Danlin Yu, Jon Zawacki
Advisor: Dr. Greg Pope
Title: Mangroves are dying (A24)
Presenter: Matthew Cheung
Co-author: Jorge Trueba
Advisor: Dr. Jorge Trueba

Title: Preservation of ancient barriers on the continental shelf: Insights from a simple morphodynamic model (A25)
Presenter: Daniel Ciarletta
Co-author: Jorge Trueba
Advisor: Dr. Jorge Trueba

Title: Investigation of the mechanistic switch in VcCry1 (A26)
Presenter: Gabrielle Connolly
Co-author: Yvonne Gindt
Advisor: Dr. Yvonne Gindt

Title: Student enrollment by county and geographic distance decay functions (A27)
Presenter: Isamar Cortes
Advisor: Dr. Greg Pope

Title: Can the use of fuel-efficient (environmentally friendly) automobiles vary in Northern NJ counties? (A28)
Presenter: Isamar Cortes
Advisor: Dr. Greg Pope

Title: Hyaluronidase in the venom of the Sea Nettle (Chrysaora quinquecirrha) (A29)
Presenter: Zachary Cropley
Advisor: Dr. John Gaynor

Title: Does social context influence positional, feeding and aggressive behavior in Turkestan Cockroach Nymphs, Blatta lateralis? (A30)
Presenter: Peter Cruz
Advisor: Dr. Scott Kight

Title: Do secondary school mathematics textbooks provide opportunities for realistic problem-solving? (A31)
Presenter: Mary Dalton
Advisor: Dr. Eileen Fernandez

Title: The euphoric affect of the anti drug abuse act (A32)
Presenter: Rashad Days
Advisor: Dr. Ian Drake
Title: Development of negative mode free radical activated glycan structure elucidation reagents (A33)
Presenter: Nikunj Desai
Co-author: Jungeun Lee
Advisor: Dr. Jinshan Gao

Title: A comparative analysis of the ZAP-70 gene in mammals (A34)
Presenter: Rebecca Dhawan
Co-author: Robert Meredith
Advisor: Dr. Robert Meredith

Title: Female Genital Mutilation in the U.S.: Scope and prevention methods (A35)
Presenter: Mame Kani Diop
Advisor: Dr. Pearl Stewart

Title: Evaluating the consistency of soccer match analysis techniques (A36)
Presenter: Jeffrey Duarte
Co-author: Nicolas Barrios
Advisor: Dr. Steven Leigh

Title: An investigation of automatic access to spatial representations of numbers (A38)
Presenter: Patrick Dwyer
Co-author: Yoav Arieh
Advisor: Dr. Yoav Arieh

Title: Functional consequences of ICER ubiquitination (A39)
Presenter: Dina Edani
Co-author(s): Rossara Nunez, Joseph Bulatowicz
Advisor: Dr. Carlos Molina

Title: Characterization of isolated actinobacteriophage using polymerase chain reaction (A40)
Presenter: Schyler Edwards
Advisor: Dr. Sandra Adams

Title: A tool support for managing implicit requirements using common sense knowledge (A41)
Presenter: Onyeka Emebo
Co-author: Aparna Varde
Advisor: Dr. Aparna Varde

Title: Annotation of novel Mycobacterium and Arthrobacter bacteriophage genomes from New Jersey soil (A42)
Presenter: Tony Feghali
Advisor: Dr. Kirsten Monsen-Collar
Title: French language, identity, and discrimination (A43)
Presenter: Dustine Finck
Advisor: Ms. Anne-Caroline Sieffert

Title: Sharing lab and learning successes: The art of public relations (A44)
Presenter: Lauren Gama
Co-author(s): Lisa Chauveron, Rebecca Jensen, Marisa MacDonnell, Veronica Barrios, Victoria Illnick, Jennifer Brown Urban, Miriam Linver
Advisor: Dr. Miriam Linver

Title: An examination of the sociodemographic and health determinants of major depressive disorders in black women using NHANES data (A45)
Presenter: Michelle Gardner
Co-author(s): Ndidi Amutah, Laurén Doamekpor
Advisor: Dr. Ndidi Amutah

Title: Effects of World Trade Center 9-11 particulate matter on mitochondrial damage seen in human lung cell in vitro (A46)
Presenter: Vern Gatson
Co-author(s): William Shergalis, Christian Gonzales, Rebekah Madrid, Kentrisha Lubin, Momna Hassan
Advisor: Dr. Ann Marie DiLorenzo

Title: Computational techniques for measuring internet censorship (A47)
Presenter: Zhisong Ge
Advisor: Dr. Christopher Leberknight

Title: New molybdenum bronze phases (A48)
Presenter: Brian Giraldo
Co-author(s): Lynn Schneemeyer, Theo Siegrist, Tiglet Besara
Advisor: Dr. Lynn Schneemeyer

Title: A hands-on application-based tool for STEM students to understand differentiation (A49)
Presenter: Briana Goncalves
Co-author(s): Ausamah Hobbi, Amir Golnabi
Advisor: Dr. Amir Golnabi

Title: Isolation and characterization of novel mycobacterium smegmatis and arthrobacter sp. bacteriophage from New Jersey soil (A50)
Presenter: Wedad Haddabeh
Co-author(s): Yesenia Acosta, Mohamad Abboud, Jennifer Aguirre, Omran Ahmadi, Edward Anderson, Anthony Arena, Joshua Bacatan, et al.
Advisor: Dr. Sandra Adams

Title: Do public prisons achieve the goals of the criminal justice system better than private, for-profit prisons? (A51)
Presenter: Christopher Halleran
Advisor: Dr. Ian Drake
Title: Investigating the correlation between cognitive fatigue and brain iron deposition in Basal Ganglia in Multiple Sclerosis (A52)
Presenter: Emilyrose Havrilla
Co-author(s): Sarah Wood, Ekaterina Dobryakova, Zhiguo Jiang, Bing Yao
Advisor: Dr. Josh Sandry

Title: Neuroscience and judging (A53)
Presenter: Markil Howard
Advisor: Dr. Ian Drake

Title: Re-inventing the (pottery) wheel: Ceramic production in ancient Greece (A54)
Presenter: Sophia Hudzik
Advisor: Dr. Deborah Chatr Aryamontri

Title: Groundwater depletion in aquifers of the New Jersey coastal plain (A55)
Presenter: Michael Johnson
Advisor: Dr. Greg Pope

Title: Investigating cervical spine motion while transferring football players to a stretcher (A56)
Presenter: Jennifer Kalash
Co-author: Tyler Melnicove
Advisor: Dr. Steven Leigh

Title: Measuring vortex length through numerical simulation of a flow channel (A57)
Presenter: Matt Karlson
Advisor: Dr. Bogdan Nita

Title: Determining late pleistocene to early holocene deglaciation patterns within the Hanō Bay of the Baltic Sea through sedimentological core sample analysis (A58)
Presenter: April Kelly
Co-author: Sandra Passchier
Advisor: Dr. Sandra Passchier

Title: Socioeconomic status and malnutrition: A global approach (A59)
Presenter: Ora Kemp
Advisor: Dr. Amanda Birnbaum

Title: Molecular cloning and expression of chrysaoralin: A novel pore-forming toxin from jellyfish venom (A60)
Presenter: Anup Khanal
Co-author: George Shchegolev
Advisor: Dr. John Gaynor

Title: Meaning behind English intonation for native Indonesian L2 learners (A61)
Presenter: Uswatun Khasanah
Co-author: Gina Cordero
Advisor: Dr. Jonathan Howell
Title: Coupled modeling of coastal dunes and socio-economic impacts (A62)
Presenter: Jesse Kolodin
Advisor: Dr. Jorge Trueba

Title: Salinity tolerance of two-lined salamanders (A63)
Presenter: Kelly Krol
Advisor: Dr. Lisa Hazard

Title: Grain size and organic geochemistry of the Kattegat sediment to determine paleoenvironments of the last interglacial-glacial cycle (A64)
Presenter: Taylor Krolik
Advisor: Dr. Sandra Passchier

Title: The debate on immunizations (A65)
Presenter: Mildred Kroung
Advisor: Dr. Ian Drake

**Poster Presentations**
*Block B: 6:00 pm – 6:55 pm*

(Alphabetical by Presenter’s Last Name)

Title: Maximum or minimum RCI values of graphs consisting of trees with a hexagonal base (B1)
Presenter: Giancarlo Labruna
Advisor: Dr. Aihua Li

Title: A biometric analysis of mate choice copying in people (B2)
Presenter: Jonathan Lenhardt
Advisor: Dr. Peter Vietze

Title: The kinetics of the formation and degradation of interesting oxidation states found with sufolobus solfataricus photolyase (B3)
Presenter: Mengqi Li
Co-author(s): Justin Vercellino, Sudipto Munshi, Robert Stanley, Yvonne Gindt
Advisor: Dr. Yvonne Gindt

Title: Transport and distribution of heavy metals in sediment in Bohai Bay (B4)
Presenter: Yuanyi Li
Co-author(s): Huan Feng, Dekui Yuan, Jing Nie
Advisor: Dr. Huan Feng

Title: Diadema antillarum population density, size distribution, and biomass in an UNESCO biosphere reserve (B5)
Presenter: Lauren Liddy
Advisor: Dr. Paul Bologna
<table>
<thead>
<tr>
<th>Title</th>
<th>Presenter</th>
<th>Co-author</th>
<th>Advisor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Geochemistry of the east antarctic margin spanning the eocene oligocene transition</td>
<td>Jennifer Light</td>
<td>Sandra Passchier</td>
<td>Dr. Sandra Passchier</td>
</tr>
<tr>
<td>The process of the creation of the play-based observation of development and interaction tool at the Center for Autism and Early Childhood Mental Health</td>
<td>Andrew Lokai</td>
<td>Alison Stratthaus, Keri Georgewitz, Jessica Maneri</td>
<td>Kaitlin Mulcahy</td>
</tr>
<tr>
<td>Structural characterization of thymine cyclobutane dimers in solution</td>
<td>Michael Lorence</td>
<td>Dr. Johannes Schelvis</td>
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<tr>
<td>Comparative analysis of COL1A1 gene in different mammals</td>
<td>Israa Maani</td>
<td>Robert Meredith</td>
<td>Dr. Robert Meredith</td>
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<tr>
<td>Police attitudes in a new era: A look at how the new millennium has changed the New York tri-state area’s police</td>
<td>Tara Mahady</td>
<td>Dr. Christopher Donoghue</td>
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<td>Effect of fertilization on native and non-native wetland plants</td>
<td>Martha Mahady</td>
<td>Dr. Dirk Vanderklein</td>
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<td>Benefit-based tree and valuation of an urban Forest City park system; Columbus Park-Hackensack NJ</td>
<td>Roy Mateus</td>
<td>Dr. Greg Pope</td>
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<td>United States and FIFA’s World Cup corruption</td>
<td>Justin McAndrew</td>
<td>Dr. Ian Drake</td>
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<tr>
<td>The depreciation of property values and home sales caused by vacant and abandoned properties in the city of Newark, New Jersey</td>
<td>Emily McIntosh</td>
<td>Dr. Greg Pope</td>
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<td>Using software defined radio to test the internet of things</td>
<td>Kevin Miller</td>
<td>Dr. Christopher Leberknight</td>
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<td>Designing a windwalker: An undergraduate open-ended physics project</td>
<td>Ceire Monahan</td>
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<td>Dr. Mika Munakata</td>
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<td>(B16)</td>
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<td>ELLs and English word stress</td>
<td>Terra Nicoll</td>
<td>Emily Peterman</td>
<td>Dr. Jonathan Howell</td>
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<td>(B17)</td>
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<tr>
<td>The effect of pH and charybdotoxin on growth of human glioma cell</td>
<td>Chelsea O’Koren</td>
<td>Mike Young, Vladislav Snitsarev,</td>
<td>Dr. Elena Petroff</td>
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<td>lines (B18)</td>
<td></td>
<td>Elena Petroff</td>
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<tr>
<td>Sequence variants of the pathogen ranavirus isolated from</td>
<td>Nadeem Obaydou</td>
<td>Kirsten Monsen-Collar, Lisa Hazard,</td>
<td>Dr. Kirsten Monsen-Collar</td>
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<td>northeastern amphibians (B19)</td>
<td></td>
<td>Fathima Idris</td>
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<tr>
<td>Lipophilic green tea polyphenol can inhibit bacteria growth and</td>
<td>Chinweude Okani</td>
<td>Bushra Ali, Brianne Cravello, Lee</td>
<td>Dr. Lee Lee</td>
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<td>endospore formation in food and milk (B20)</td>
<td></td>
<td>Lee</td>
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<tr>
<td>Vaccines (B21)</td>
<td>Pasquale Pascareda</td>
<td></td>
<td>Dr. Ian Drake</td>
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<tr>
<td>Episodic memory performance in inconsistent-relative to consistent</td>
<td>Neil Patel</td>
<td>Ruth Propper, Christophe Carlei,</td>
<td>Dr. Ruth Propper</td>
</tr>
<tr>
<td>right-handers (B22)</td>
<td></td>
<td>Stephen Christman</td>
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<tr>
<td>Recreational beach erosion on the New Jersey shoreline (B23)</td>
<td>Rachel Preece</td>
<td></td>
<td>Dr. Greg Pope</td>
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<tr>
<td>Characterization of a parasitic anti-stress protein kinase, SEK-1,</td>
<td>Monika Prorok</td>
<td>Agnieszka Chojnowski, Tamara Kreiss</td>
<td>Dr. John Siekierka</td>
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<td>from Brugia malayi (B24)</td>
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<td>Grazing potential of sparisma radians on native seagrass (Thalassia testudinum) and invasive seagrass (Halophila stipulacea) in St. John, USVI (B25)</td>
<td>Elizabeth Pudlak</td>
<td>Dr. Paul Bologna</td>
<td></td>
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<tr>
<td>New rock climbing recreation areas: Piecing together data to find new crags (B26)</td>
<td>Arianna Qira</td>
<td>Dr. Greg Pope</td>
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<tr>
<td>Using the chain rule to develop secondary school teachers’ mathematical knowledge for teaching, focused on the rate of change: Secondary mathematics teachers’ knowledge of the chain rule and its’ impact on their teaching of the rate of change (B27)</td>
<td>Zareen Rahman, Debasmita Basu, Karmen Yu</td>
<td>Dr. Eileen Murray</td>
<td></td>
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<tr>
<td>Green tea polyphenols can inhibit endospore sporulation in Bacillus sp. (B28)</td>
<td>Richa Rana, Ujash Patel, Mohammad Khan</td>
<td>Dr. Lee Lee</td>
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<tr>
<td>Genetic diversity of red mangroves (Rhizophora mangle) in a UNESCO biosphere reserve, St. John, USVI (B29)</td>
<td>Dena Restaino, Paul Bologna, James Campanella</td>
<td>Dr. Paul Bologna</td>
<td></td>
</tr>
<tr>
<td>Rome in America: How ancient roman law has influenced modern American law (B30)</td>
<td>Christian Rivera</td>
<td>Dr. Ian Drake</td>
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<tr>
<td>Piercing the power of populism: Constructing judicial empowerment and independence in Latin America (B32)</td>
<td>Mishella Romo</td>
<td>Dr. Tony Spanakos</td>
<td></td>
</tr>
<tr>
<td>Multidisciplinary environmental assessment of Greenwood Lake (B33)</td>
<td>Alessandra Rossi</td>
<td>Dr. MeiYin Wu</td>
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</tr>
</tbody>
</table>
Title: **Green tea polyphenols with antibiotics reverse the biofilm formation in bacteria** (B34)  
Presenter: Angela Salazar  
Co-author(s): Siti Ayuni Mohamed Yussof, Amy Lynn Melok, Lee Lee, Shrameeta Shinde, Giselle Lalata  
Advisor: Dr. Lee Lee

Title: **In vitro synergistic antiviral activity of epigallocatechin gallate-stearate and acyclovir on herpes simplex virus types 1 and 2 in vero cells** (B35)  
Presenter: Bianca Sanabria  
Advisor: Dr. Sandra Adams

Title: **A legal dissection: The national debate to establish a federal mandate to medically-accurate and comprehensive sex education within a multicultural society** (B36)  
Presenter: Montana Scholz  
Advisor: Dr. Ian Drake

Title: **Stability study of green tea polyphenols EGCG and EGCG-S as antimicrobial agents** (B37)  
Presenter: Emma Seidman  
Co-author(s): Brianne Cravello, Yasmeen Abboud  
Advisor: Dr. Lee Lee

Title: **The curvilinear effects of extroversion on subjective and objective sales outcomes** (B38)  
Presenter: William Sevcik  
Advisor: Dr. Daniel Simonet

Title: **Understanding the recreational harvest of snapping turtles in New Jersey** (B39)  
Presenter: Natalie Sherwood  
Co-author: Pankaj Lal  
Advisor: Dr. Meiyin Wu

Title: **Numerical detection of wave breaking in the short-pulse equation** (B40)  
Presenter: Jeffrey Slepoi  
Advisor: Dr. David Trubatch

Title: **New filter media for urban stormwater management** (B41)  
Presenter: Hanieh Soleimanifar  
Co-author: Yang Deng  
Advisor: Dr. Yang Deng

Title: **A Bioinformatics Study On The Noncovalent Interactions Between The Tea Polyphenol, EGCG-S, And HSV-2 Glycoproteins** (B42)  
Presenter: Peter Stamos  
Advisor: Dr. Sandra Adams
<table>
<thead>
<tr>
<th>Title</th>
<th>Presenter</th>
<th>Advisor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Combining auditory and visual information in object discrimination: independent vs. integration decision models (B43)</td>
<td>William Stoll</td>
<td>Dr. Yoav Arieh</td>
</tr>
<tr>
<td>The transcription and translation of lysin A and lysin B (B44)</td>
<td>Nandini Surendranathan</td>
<td>Dr. Quinn Vega</td>
</tr>
<tr>
<td>Arcade style game development (B45)</td>
<td>Eric Svitok</td>
<td>Dr. George Antoniou</td>
</tr>
<tr>
<td>Screening transgenic zebrafish (Danio rerio) expressing EGFP under an ovarian specific promoter (B46)</td>
<td>Aneta Szpernoga</td>
<td>Dr. Carlos Molina</td>
</tr>
<tr>
<td>Progress on the study of substrate specificity in indole-3-glycerol phosphate synthase (B47)</td>
<td>Jessica Tan</td>
<td>Dr. David Konas</td>
</tr>
<tr>
<td>The effects of EGCG-s on gene expression of HSV-1 and HSV-2 (B48)</td>
<td>Mariam Tariq</td>
<td>Dr. Sandra Adams</td>
</tr>
<tr>
<td>Educational access, the community college, and social mobility: Questioning the nature of educational equality and equity (B49)</td>
<td>Ricardo Taveras</td>
<td>Ms. Marissa Silverman</td>
</tr>
<tr>
<td>Do giant waterbugs, belostoma flumineum say, exhibit turn alternation behavior in response to indirect predator cues? (B50)</td>
<td>Samantha Tedesco</td>
<td>Dr. Scott Kight</td>
</tr>
<tr>
<td>Investigating the effects of dance training on performance in two dance leaps (B51)</td>
<td>Brittany Tierney</td>
<td>Dr. Steven Leigh</td>
</tr>
<tr>
<td>Expression, purification, and characterization of W. bancrofti DHFR as a drug target in treating lymphatic filariasis (B52)</td>
<td>Andrew Tobias</td>
<td>Dr. Nina Goodey</td>
</tr>
<tr>
<td>Co-author(s): Ulrich Gubler, Nina Goodey</td>
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<td>Advisor: Dr. Nina Goodey</td>
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</tr>
</tbody>
</table>
Title: **Sustainability: A new aspect of golf course management (B53)**
Presenter: Colin Trevors
Advisor: Dr. Greg Pope

Title: **Bark pitch and the perception of dog size: The effect of congruent and incongruent sounds (B54)**
Presenter: Michael Vazquez
Co-author(s): Alexandra Medina, Yoav Arieh
Advisor: Dr. Yoav Arieh

Title: **PiMesh - implementation of mesh network on multiple raspberry pi’s (B55)**
Presenter: Raju Vemula
Advisor: Dr. Christopher Leberknight

Title: **In vitro antiviral activity of black tea extract (BTE) on sindbis virus in vero cells (B56)**
Presenter: Jose Villagomez
Advisor: Dr. Sandra Adams

Title: **Designing a learning trajectory for developing students’ thinking of dynamic measurement (B57)**
Presenter: Madhavi Vishnubhotla
Co-author: Debasmita Basu
Advisor: Dr. Nicole Panorkou

Title: **Infrastructure of nearby New Jersey state parks (B58)**
Presenter: Frank Vocaturo
Advisor: Dr. Greg Pope

Title: **Density and distribution of shallow Caribbean porifera from an UNESCO Biosphere Reserve in St. John, USVI (B59)**
Presenter: Patrick Vojnyk
Advisor: Dr. Paul Bologna

Title: **The mechanism of inhibition of botulinum neurotoxin type A by two novel quinoline compounds (B60)**
Presenter: Yacoba Vroom Teschemaker Minnow
Co-author(s): David Rotella, Ronald Goldberg, John Siekierka, Nina Goodey
Advisor: Dr. Nina Goodey

Title: **Promising novel method intTreating prosthetic joint infections (B61)**
Presenter: Steve Williams
Co-author(s): Shanice Otieno, Christopher Chen, Lee Lee
Advisor: Dr. Lee Lee

Title: **International students’ life; A review of issues and potential solutions (B62)**
Presenter: Hillman Wirawan
Co-author: Kadek Rahayu
Advisor: Dr. Lisa Lieberman
Title: Temporal framing (B63)
Presenter: Andrew Wolfarth
Advisor: Dr. David Townsend

Title: Alcohol use and non-medical use of prescription drugs to cope with posttraumatic stress: An analysis of Hurricane Sandy survivors (B64)
Presenter: Megan Young
Advisor: Dr. Sarah Lowe

Title: Analysis of roman mosaic glass tesserae, from the Villa of the Antonines, using canning electron microscopy and energy-dispersive X-ray techniques (B65)
Presenter: Nicolas Zarro
Co-author(s): Deborah Chatr Aryamontri, Greg Pope, Matthew Gorring
Advisor: Dr. Greg Pope

Title: Gender differences in attitudes, knowledge, and HIV testing in the Départements of Haiti: Insights from the 2012 demographic and health survey (B66)
Presenter: Jonathan Zipf
Advisor: Dr. Sangeeta Parashar

Title: Race bias in decisions to shoot: Physiological responses to immersive and non-immersive experimental shooter tasks (B67)
Presenter: Chelsea Osuji
Advisor: Dr. Joseph Cesario

Title: Assessment and target selection for a moderate-to-sever phonological disorder: Advantages of nonlinear analysis (B68)
Presenter: Christa Crosby
Advisor: Dr. Elaine Hitchcock
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The Graduate School
Dr. Brian Carolan, Associate Dean

ACKNOWLEDGEMENTS
Many faculty, staff and students have contributed to the success of this event. The Organizing Committee would like to acknowledge the special contributions of the following:

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