Promoting Collaboration Across Disciplines

9th Annual Student Research Symposium
Sunday, April 26, 2015 | 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

Montclair State University
montclair.edu
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 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 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 (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

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<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tr>
<td>8:00 – 8:20 am</td>
<td>Registration and Continental Breakfast</td>
<td>University Hall Grand Hallway, 1&lt;sup&gt;st&lt;/sup&gt; Floor</td>
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<tr>
<td>8:20 – 8:30 am</td>
<td>Opening Remarks: Dr. Willard Gingerich, Provost and Vice President for Academic Affairs</td>
<td>University Hall Room 1070</td>
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<tr>
<td>8:30 – 9:15 am</td>
<td>Interdisciplinary Panel Presentation</td>
<td>University Hall Room 1070</td>
</tr>
<tr>
<td>9:20 – 10:15 am</td>
<td>Poster Session Block A</td>
<td>University Hall Conference Center, 7&lt;sup&gt;th&lt;/sup&gt; Floor</td>
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<tr>
<td>10:20 – 11:40 am</td>
<td>Oral and Multimedia Presentations Block A</td>
<td>Room assignments listed in program</td>
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<tr>
<td>11:45 – 1:05 pm</td>
<td>Oral and Multimedia Presentations Block B</td>
<td>Room assignments listed in program</td>
</tr>
<tr>
<td>1:10 – 1:55 pm</td>
<td>Lunch</td>
<td>Student Center Ballroom</td>
</tr>
<tr>
<td>2:00 – 3:00 pm</td>
<td>Poster Session Block B</td>
<td>University Hall Conference Center, 7&lt;sup&gt;th&lt;/sup&gt; Floor</td>
</tr>
<tr>
<td>3:05 – 4:25 pm</td>
<td>Oral and Multimedia Presentations Block C</td>
<td>Room assignments listed in program</td>
</tr>
<tr>
<td>4:30 pm</td>
<td>Award Presentations and Closing Remarks</td>
<td>General Symposium Awards and Closing Remarks Outstanding Interdisciplinary Presentations and Posters University Hall 1070</td>
</tr>
</tbody>
</table>
Oral and Multimedia Presentations

Block A: 10:20 am – 11:40 am

1. Graduate Award Nominees – University Hall 2026
   Moderator: Dr. Naomi Liebler

   Title: CRISPR/Cas system in genome engineering
   Presenter: Michael Young               Advisor: Dr. Carlos Molina

   Title: A virtual communication revolution: Analysis of the use of social media by organizations
   Presenter: Saba Akram                Advisor: Dr. Yi Luo

   Title: A family therapist matrix for working with adolescent and sibling substance abuse
   Presenter: David Lardier             Advisor: Dr. Jon Caspi
   Co-author(s): Veronica Barrios, Jon Caspi

   Title: Investigating the sex differences in death anxiety and emotion regulatory behavior among emerging adults
   Presenter: James Morecraft           Advisor: Dr. Janice Stapley
   Co-author: Janice Stapley

2. Undergraduate Award Nominees – University Hall 2025
   Moderator: Dr. Ronald Sharps

   Title: A theoretical study of the factors that contribute to the conformational energy of six-membered rings
   Presenter: Maryam Abdulsalam          Advisor: Dr. Marc Kasner
   Co-author(s): Rabih Balilli, Rofe Baello, Robert Booth, Sandeep Suresh

   Title: Bridging the 2nd and 3rd dimensions
   Presenter: Evans Mbai                Advisor: Dr. Lauren Carr

   Title: Swear words in American English: A corpus based study
   Presenter: Michael Ramos             Advisor: Dr. Susana Sotilla
   Co-author: Sarah Zughbi

3. Education Policy/Curricula/Pedagogy – University Hall 2031
   Moderator: Dr. Dorothy Rogers

   Title: Competing agendas: Sustaining the mission in admissions
   Presenter: Todd Bates                Advisor: Dr. Kathryn Herr
   Co-author: Tina Jacobowitz

   Title: Beyond the scope: Education reform and the achievement gap
   Presenter: Michael Caracappa         Advisor: Dr. Ian Drake

   Title: What happens in Vegas doesn’t always stay in Vegas: Negotiating the curriculum leads to agency
   Presenter: Susan D’Elia              Advisor: Dr. Monica Taylor
   Co-author(s): Stephanie Tarnowski, Sa-Qwona Clark, Brenna Bohny, Graziela Lobato, Sara Wasserman
Title: Canon fodder: The missing voice of the student in canon and curricula formation  
Presenter: Meagan DeJong  
Advisor: Dr. David Galef

Title: A reevaluation of the historicity of the Ramayana through de-orientalized pedagogy  
Presenter: Sabrina D. MisirHiralall  
Advisor: Dr. Dorothy Rogers

4. Ecology and Earth Science – University Hall 2013  
Moderator: Dr. Paul Bologna

Title: Impacts of land use and land cover composition on macroinvertebrate assemblages at both catchment basin and riparian scales along the Passaic River, New Jersey  
Presenter: Michael Levinson  
Advisor: Dr. Meiyin Wu

Title: Assessing the population density, size distribution, and biomass of the long-spined sea urchin, Diadema antillarum, in St. John, U.S.V.I.  
Presenter: Jami Luckhardt  
Advisor: Dr. Paul Bologna  
Co-author(s): Paul Bologna, Lauren Liddy

Title: Is soil pollution starving trees? Starch analysis of Betula populifolia and Populus spp. in an abandoned urban brownfield  
Presenter: Ariel Flood  
Advisor: Dr. Dirk Vanderklein  
Co-author(s): Dirk Vanderklein, Karina Schafer

Title: Geochemical analysis of Antarctic sediment cores from Prydz Bay site for the purpose of reconstructing the paleoenvironment during the Eocene-Oligocene  
Presenter: Triantafilo Miriagos  
Advisor: Dr. Sandra Passchier  
Co-author(s): Sandra Passchier, Nicholas Tadrick

Title: Threshold behavior of a marine-based sector of the east Antarctic ice sheet in response to early pliocene ocean warming  
Presenter: Melissa Hansen  
Advisor: Dr. Sandra Passchier  
Co-author(s): Sandra Passchier, Boo-Keun Khim, Buhan Song, Trevor Williams

5. Counseling – University Hall 2012  
Moderator: Dr. Harriet Glosoff

Title: Counseling gay men of color: Understanding dating, sexual-risk taking, and microaggressions through social media  
Presenter: Carlos Flores  
Advisor: Dr. Leslie Kooyman

Title: Experiences of successful African American women raised by mothers in low-income communities  
Presenter: Ebony White  
Advisor: Dr. Amanda Baden

Title: A family therapist matrix for working with adolescent and sibling substance abuse  
Presenter: David Lardier  
Advisor: Dr. Jon Caspi  
Co-author(s): Veronica Barrios, Jon Caspi

Title: Brain-based counseling: The why and how of applying neuroscience to practice  
Presenter: Kathy Shoemaker  
Advisor: Dr. Harriet Glosoff  
Co-author: David Lardier
Title: Investigating the sex differences in death anxiety and emotion regulatory behavior among emerging adults  
Presenter: James Morecraft  
Co-author: Janice Stapley  
Advisor: Dr. Janice Stapley

6. Food/Weight – University Hall 2011  
Moderator: Dr. Douglas Murray

Title: Food security in Tanzania and South Sudan  
Presenter: Saning'o Kimani  
Advisor: Dr. Elizabeth Wishnick

Title: Chefs, nutrition, and public health: What are they modeling?  
Presenter: Kathleen Gaffney  
Co-author(s): Douglas Murray, Meena Mahadevan  
Advisor: Dr. Douglas Murray

Title: Shaping Elizabeth: A case study of community partnerships  
Presenter: Jacqueline Gifuni  
Advisor: Dr. Eva Goldfarb

Title: Counselor values and body image in counseling  
Presenter: Kimberly Lovato  
Co-author: Connie Ducaine  
Advisor: Dr. Dana Levitt

7. Literature – University Hall 2010  
Moderator: Dr. Michele Knobel

Title: Cannibalism, knots, and indigestion: Stomaching Shakespeare’s body  
Presenter: Bryan Davis  
Advisor: Dr. Naomi Liebler

Title: Sleep across different stages  
Presenter: Sue Ellen Lian  
Advisor: Dr. Naomi Liebler

Title: The foreign king on an English throne: Charles I and the redrawing of Englishness in Milton’s revolutionary prose  
Presenter: Courtney Van Saders  
Advisor: Dr. Jeffrey Miller

Title: The portrayal of war in French theatrics: The perspectives of Eugène Ionesco  
Presenter: Cala Fils  
Advisor: Dr. Lois Oppenheim

8. The Office and Work – University Hall 2009  
Moderator: Dr. Agatha Jeffers

Title: On the relation between social informal learning activities and innovative work behavior in the workplace  
Presenter: Maike Gerken  
Co-author(s): Simon Beausaert, Mien Segers  
Advisor: Mien Segers

Title: Should introverts act more like extroverts in the workplace?  
Presenter: Rosemarie Salvatore  
Advisor: Dr. Todd Kelshaw

Title: Classical Anatolian industrial device points to late-Roman adoption of automated machinery  
Presenter: Carmine Esposito  
Advisor: Dr. Deborah Chatr Aryamontri
Title: The fault of the “housewives”: A historical review of how gender is related to pay, pedagogy and students in first-year composition
Presenter: Vera Lentini Advisor: Dr. Melinda Knight

Title: Citizens united: The effects of corporate influence on the political process
Presenter: Brandon Citer Advisor: Dr. Ian Drake

9. An International Model for STEM Student Collaboration – University Hall 2008
Moderator: Dr. Carlos Molina

Title: 100K strong in Chile for CSAM students - A model for international scientific and educational collaboration among STEM undergraduate students
Presenter: Zareen Rahman Advisor: Dr. Mika Munakata

Title: CRISPR/Cas System in genome engineering
Presenter: Michael Young Advisor: Dr. Carlos Molina

Title: The application of the CRISPR/Cas9 system in cancer
Presenter: Justin Vercellino Advisor: Dr. Carlos Molina
Co-author(s): Bushra Ali, Maria Teresa Gomez

Title: CRISPR-Cas9 in neuroscience
Presenter: Shakeera Walker Advisor: Dr. Carlos Molina
Co-author(s): Valeria Labra, Andres Fuentes

Title: CRISPR/Cas9 plant genome editing
Presenter: Nashali Ferrara Advisor: Dr. Carlos Molina
Co-author(s): Nicole Jaronsky, Javier Villacreses

Title: CRISPR-Cas systems and their potential applications in microbiology
Presenter: Pamela Jumbo Advisor: Dr. Carlos Molina
Co-author(s): Alejandro Olmos, Stephanie Slevos

10. Chemistry Part I – University Hall 2007
Moderator: Dr. Henk Eshuis

Title: Conformational dynamics of substituted tetrahydropyrans: A computational analysis
Presenter: Robert Booth Advisor: Dr. Marc Kasner

Title: A theoretical study of the factors that contribute to the conformational energy of six-membered rings
Presenter: Maryam Abdulsalam Advisor: Dr. Marc Kasner
Co-author(s): Rabih Balili, Rofe Baello, Robert Booth, Sandeep Suresh

Title: A computational study of the contributions to the relative stability of the axial and equatorial conformers of d-glucopyranose
Presenter: Rabih Balili Advisor: Dr. Marc Kasner
Co-author(s): Maryam Abdulsalam, Rofe Baello, Robert Booth, Sandeep Suresh

Title: Accurate interaction energies using the random phase approximation for problematic dispersion-bound complexes
Presenter: Craig Waitt Advisor: Dr. Henk Eshuis
## Oral and Multimedia Presentations

**Block B: 11:45 am – 1:05 pm**

### 1. Arts/Music – University Hall 2006

**Moderator:** Dr. Yi Luo

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<tr>
<th>Title</th>
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<tr>
<td>Bridging the 2nd and 3rd dimensions</td>
<td>Evans Mbai</td>
<td>Dr. Lauren Carr</td>
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<tr>
<td>Ancient Greek acoustic technology: The extraordinary case study of epidaurus</td>
<td>Alexander Campbell</td>
<td>Dr. Deborah Chatr Aryamontri</td>
</tr>
<tr>
<td>Auditory learning in drosophila</td>
<td>Brianna D'Elia</td>
<td>Dr. Julian Keenan</td>
</tr>
<tr>
<td>Co-author(s): Claudia Ko, Alexa Decker</td>
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<tr>
<td>Music works</td>
<td>Darlyne Janvier</td>
<td>Dr. Eric Miller</td>
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### 2. Government/Law/Politics – University Hall 2004

**Moderator:** Dr. Steven Leigh

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<tr>
<td>A debilitated democracy: Ecuador's encounter with presidentialism and populism</td>
<td>Mishella Romo</td>
<td>Dr. Tony Spanakos</td>
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<tr>
<td>Israeli strategy: Miscalculations in the second Lebanese war</td>
<td>William Twisdale</td>
<td>Dr. Brian Smith</td>
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<tr>
<td>Lived experiences of women service members transitioning into civilian life: A qualitative study</td>
<td>Meghan Reppert</td>
<td>Dr. Harriet Glosoff</td>
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<tr>
<td>Humane approaches for the treatment of Central American minors entering the US border</td>
<td>Debora Cubias</td>
<td>Dr. Ian Drake</td>
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### 3. Linguistics – University Hall 2002

**Moderator:** Dr. Helenrose Fives

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<tr>
<td>Swear words in American English: A corpus based study</td>
<td>Michael Ramos</td>
<td>Dr. Susana Sotillo</td>
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<td>Co-author: Sarah Zughbi</td>
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<tr>
<td>Karaoke for accent reduction</td>
<td>Liubou Shefarevich</td>
<td>Dr. Jonathan Howell</td>
</tr>
<tr>
<td>Assessment and feedback: Examining the relationship between self-assessment and blind peer- and teacher-assessment in TOEFL writing</td>
<td>Meghan Bratkovich</td>
<td>Dr. Helenrose Fives</td>
</tr>
</tbody>
</table>
4. Race in the US – University Hall 2025
Moderator: Dr. Melinda Knight

Title: African-Americans in 19th century Long Island through the lens of the media
Presenter: Dante Dallavalle Advisor: Dr. Christopher Matthews

Title: The "lost generation(s)" and the problem of American identity: 1890s-1920s
Presenter: Gloria Lugo Advisor: Dr. Melinda Knight

Title: Race-class intersections in a high school teaching context
Presenter: Brian Ford Advisor: Dr. Jeremy Price

5. Women and Perceptions of Self in Society – University Hall 2026
Moderator: Dr. Yasemin Besen-Cassino

Title: Edna's journey from art to artist
Presenter: Alexander Friebely Advisor: Dr. Patricia Matthew

Title: A human bridge to universal truth: The transcendentalist guide in Alcott’s moods
Presenter: Katherine Van Frank Advisor: Dr. Monika Elbert

Title: Possession: The female self in the hands of patriarchy in Chopin’s The Awakening
Presenter: Kristen Bryfogle Advisor: Dr. Patricia Matthew

Title: The need for self preservation through sacrifice in The Awakening
Presenter: Rebekkah Scott Advisor: Dr. Patricia Matthew

6. Business and its Changing Face – University Hall 2031
Moderator: Dr. Ram Dubey

Title: Aggregate tariff selections in the United States and their modern economic determinants
Presenter: David Moya Gamboa Advisor: Dr. Ram Dubey

Title: A comparison of inventory valuation under US GAAP and IFRS
Presenter: Gifty Oduro Advisor: Dr. Agatha Jeffers
Co-author: Adwoa Boachie

Title: Can claims on retargeted ads alter decision criteria?
Presenter: Marta Hanaka Advisor: Dr. Patrali Chatterjee
Co-author(s): Patrali Chatterjee, Alana Gavurin, Artem Yevtushenko, Matthew Szewczyk

Title: Perfect accent
Presenter: Erin Gleason Advisor: Dr. Archana Kumar
Co-author(s): Ahnia Bray, Annalise Clayton
7. Environmental Issues NY-NJ – University Hall 2013
Moderator: Dr. Stefanie Brachfeld

Title: Sediment mobility in New York bight apex and Its environmental implications
Presenter: Vicky Sekkas Advisor: Dr. Sandra Passchier

Title: Analysis of water quality in New Jersey
Presenter: Kaitlyn Scrudato Advisor: Dr. Haiyan Su

Title: Assessing the impact of bureaucracy and illegal collection of fossils on paleontological resources
Presenter: Jeff Nuccetelli Advisor: Dr. Gregory Pope

Title: Temporal and spatial relationship of adult and Planula chrysaora quinquecirrha Barnegat Bay, NJ
Presenter: Dena Restaino Advisor: Dr. Paul Bologna
Co-author(s): John Gaynor, Paul Bologna, Robert Meredith

Title: Relationship between particle size, extracellular enzymes, and heavy metals
Presenter: Diane Hagmann Advisor: Dr. Nina Goodey
Co-author(s): Eleanor Ojinnaka, Thamanna Misbah, Danielle Le Roux

8. God and the Bible – University Hall 2012
Moderator: Dr. Glen Gill

Title: God’s word and the realm outside time and space
Presenter: Robert Barrows Advisor: Dr. Glen Gill

Title: The oceanic leviathan
Presenter: Kerrin Graul Advisor: Dr. Glen Gill

Title: Logos, tricksters: The women of the Bible
Presenter: Caroline Smith Advisor: Dr. Glen Gill

9. Evaluation – University Hall 2011
Moderator: Dr. Jennifer Urban

Title: Challenges in international evaluation research: Preparation, protocols, and process
Presenter: Victoria Illnick Advisor(s): Dr. Jennifer Urban, Dr. Miriam Linver
Co-author(s): Rebecca Jensen, Marisa MacDonnell, Lauren Gama, Veronica Barrios, Lisa Chauveron

Title: Composing professional partnerships: A space for dialogue across the professional continuum
Presenter: Auriela Selimi Advisor: Susan D'Elia
Co-author(s): Ashley Rillo, Nicole Arencibia, Stephen Malone

Title: Teacher research through evaluation rubric
Presenter: Kristin Trabona Advisor: Dr. Michele Knobel
Co-author(s): Candice Chiavola, Francesca Ciotoli
Title: The path to K-12 science teacher leadership: A preliminary inquiry of teachers working toward Leadership
Presenter: Zareen Rahman
Advisor: Dr. Mika Munakata, Dr. Monica Taylor, Dr. Emily Klein
Co-author(s): Jason McManus, Kristen Trabona

10. Disease and Molecular Biology – University Hall 2010
Moderator: Dr. Lee Lee

Title: In vitro synergetic antiviral activity of black tea theaflavins and acyclovir on herpes simplex virus types 1 and 2 in A549 cells
Presenter: Cody Berkefeld
Advisor: Dr. Sandra Adams

Title: Inhibition of herpes simplex virus 2 infection in cultured cells by EGCG and EGCG-stearate
Presenter: James Stamos
Advisor: Dr. Sandra Adams

Title: Green tea polyphenols, EGCG and EGCG-stearate as potential inhibitors of herpes simplex virus-1 in human epithelial A549 cells
Presenter: Shivani Patel
Advisor: Dr. Lee Lee

Title: Green tea polyphenols, erythromycin and tetracycline synergistically inhibit the growth of e. coli and Staphylococcus aureus
Presenter: Siti Ayuni Mohammed-Yussof
Advisor: Dr. Lee Lee

Oral and Multimedia Presentations

Block C: 3:05 pm – 4:25 pm

1. Literature, Teaching, and Education – University Hall 2009
Moderator: Dr. David Galef

Title: Inspiring students to read: Using hint fiction to fill in the gaps
Presenter: Brett Conrad
Advisor: Dr. David Galef

Title: The representation of Arab-American characters in children's/adolescent literature
Presenter: Ali Zeidan
Advisor: Dr. Sumi Hagiwara

Title: A medieval parody for modern times: "El rapto del Santo Grial"
Presenter: Joseph Gonzalez
Advisor: Dr. Linda Gould Levine

Title: Textual silences in postwar Spain: Carmen Laforet's Nada
Presenter: Reyther Ortega
Advisor: Dr. Linda Gould Levine

Title: Rodney Faulk as a literary critic: Self-criticism in Javier Cercas
Presenter: Yeri Lopez
Advisor: Dr. Linda Gould Levine
2. Gender – University Hall 2008
   Moderator: Dr. Sangeeta Parashar

Title: The increasing complexity of gender stereotypes in Shakespeare's tragedies
 Presenter: Solmaaz Houtan    Advisor: Dr. Naomi Liebler

Title: Investigating the differences in motivation, attitude, and behavioral intention between Hispanics and Non-Hispanics soccer fans across gender lines
 Presenter: Ana Silva    Advisor(s): Dr. Yam B. Limbu, Dr. Ricard Jensen
 Co-author(s): Shirley Layme-Sosa, Scott Du Barry, Paul Tarnawski

Title: How woman's empowerment affects domestic violence in Pakistan
 Presenter: Muhammad Raza    Advisor(s): Dr. Bradley Van Eden-Moorfield
 Co-author: Linda Baron Cortes

3. Health/Mental Health – University Hall 2007
   Moderator: Dr. Sandra Lopez-Baez

Title: The cell signaling effects of EGCG-stearate on HSV-1 infected vero cells
 Presenter: Valerie Paschalis    Advisor: Dr. Quinn Vega

Title: Handling the halves: Unilateral hand clenching as a method for studying brain lateralization
 Presenter: Mark Zuppichini    Advisor: Dr. Ruth Propper

Title: Autism: Defending those who don't know any better
 Presenter: Thomas Kingeter    Advisor: Dr. Ian Drake

4. Social Media – University Hall 2006
   Moderator: Dr. Ricard Jensen

Title: A virtual communication revolution: Analysis of the use of social media by organizations
 Presenter: Saba Akram    Advisor: Dr. Yi Luo

Title: Super Bowl ad effectiveness
 Presenter: Juliet Mendez    Advisor: Dr. Yam B. Limbu
 Co-author(s): Amy Luque, Lynda Okeke, Kessia Williams

Title: Does stadium atmospherics really matter? Examining the associations between sports stadium atmospherics and fans behavioral intentions
 Presenter: Jarrell Lozada    Advisor(s): Dr. Yam B. Limbu, Dr. Ricard Jensen
 Co-author(s): Rick Santos, Garrett Rees

Title: Are major league soccer fans really different from major league baseball fans: A comparative study of fan behavior
 Presenter: John Ratta    Advisor: Dr. Ricard Jensen
 Co-author(s): Victoria Dewart, Michael Corozine, Logan Amato

Title: Does social media influence football fan behavior? Evidence from MetLife Stadium’s social media campaign
 Presenter: Tringa Hoti    Advisor(s): Dr. Yam B. Limbu, Dr. Ricard Jensen
 Co-author(s): Chang Kim, Marta Hanaka, Artem Yevtushenko
5. Terrorism/Brutality – University Hall 2004
Moderator: Dr. Elizabeth Emery

Title: Angelo M. Codevilla's adaptation of the just war theory in American foreign policy: Dealing with terrorism
Presenter: Kamila Kolodynska  Advisor: Dr. Brian Smith

Title: Codevillian approach: Understanding the “ends” of terrorism
Presenter: Travis Gross  Advisor: Dr. Tony Spanakos

Title: The savage killings of Albinos in Tanzania: Rooted in ignorance, hatred, discrimination and superstitious beliefs
Presenter: Seraphine N'zue-Agbadou  Advisor: Dr. Benjamin Hadis

Title: The role of men in the perpetuation and eradication of female genital mutilation
Presenter: Mame Kani Diop  Advisor: Dr. Pearl Stewart

Title: Reawakening the past: The unforgettable trauma of the French Holocaust
Presenter: Julie Rimerman  Advisor: Dr. Elizabeth Emery

6. Astronomy and Physics – University Hall 2002
Moderator: Dr. Marc Favata

Title: Nonlinear gravitational-wave memory from merging binary black holes
Presenter: Goran Dojcinoski  Advisor: Dr. Marc Favata

Title: Gravitational lensing of light near black holes
Presenter: Nicholas Drywa  Advisor: Dr. Marc Favata

Title: Modeling gravitational waves from elliptical binaries
Presenter: Blake Moore  Advisor: Dr. Marc Favata

Title: On the 3-dimensional fluid-structure interaction of flexible fibers in a flow
Presenter: Ryan Allaire  Advisor: Dr. Bogdan Nita

7. Chemistry Part 2 – University Hall 2025
Moderator: Dr. Henk Eshuis

Title: A novel fluorescent sensor for cations with an additional PET pathway to suppress protons signals
Presenter: Lesly Gomez  Advisor: Dr. Saliya De Silva

Title: Ionic liquid fluorescent sensors for cations
Presenter: Jaelene Torres  Advisor: Dr. Saliya De Silva

Title: Expression and purification of a potential antifolate target, dihydrofolate reductase from B. Malayi
Presenter: Karla Sanchez  Advisor: Dr. Nina Goodey
Co-author(s): Romy Perez-Abraham, Ulrich Gubler, John Siekierka, Nina Goodey
8. Environmental Policy and Management – University Hall 2026
   Moderator: Dr. Gregory Pope

   Title: Should hydraulic fracturing be prohibited under the safe drinking water act?: An
   interdisciplinary analysis of the law and policy behind the controversial process of extracting
   natural gas
   Presenter: Zahra Mustamand  Advisor: Dr. Ian Drake

   Title: Assessing the flood mitigation potential of water resource reservoirs
   Presenter: Matthew Del Ciello  Advisor: Dr. Joshua Galster
   Co-author: Joshua Galster

   Title: Urban simulation models based on cellular automata and data mining for multiple cities
   Presenter: Xu Du  Advisor: Dr. Aparna Varde

   Title: Lucky: A geographical interpretation of America’s lottery winners
   Presenter: Keyan Ostad-Hashemi  Advisor: Dr. Gregory Pope

9. Math and Physics – University Hall 2031
   Moderator: Dr. Ashuwin Vaidya

   Title: Interlace polynomial of a special eulerian graph
   Presenter: Christian Hyra  Advisor: Dr. Aihua Li

   Title: Randic connectivity indices of cycle based graphs
   Presenter: Jhonny Almeida  Advisor: Dr. Aihua Li

   Title: Numerical study of body shape and wing flexibility in fluid structure interaction
   Presenter: Peter Nolan  Advisor: Dr. Ashuwin Vaidya

   Title: Observations on the transition to equilibrium of hinged bodies in a flow
   Presenter: Doralia Castillo  Advisor: Dr. Ashuwin Vaidya
   Co-author: Karina Soriano
**Poster Presentations**

*Block A: 9:20 am – 10:15 am*

(Alphabetical by Presenter’s Last Name)

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**Graduate Award Nominees for Poster Presentations**

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<th>Title</th>
<th>Presenter</th>
<th>Co-author(s)</th>
<th>Advisor</th>
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<td>Investigative analysis on ancient marble rock at the Villa of the Antonines (A60)</td>
<td>Salvatore Zerbo</td>
<td>Stefanie Brachfeld, Gregory Pope, Deborah Chatr Aryamontri, Laying Wu, Timothy Renner</td>
<td>Dr. Stefanie Brachfeld</td>
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<tr>
<td>Is early adolescent self-regulation associated with the 5 Cs of positive youth development? Findings from Scottish youth (A11)</td>
<td>Lisa Chauveron</td>
<td>Miriam Linver, Jennifer Urban, Veronica Barrios, Lauren Gama, Rebecca Jensen, Victoria Illnick, Marisa MacDonnell</td>
<td>Dr. Miriam Linver, Dr. Jennifer Urban</td>
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<tr>
<td>SLP graduate students’ perceived preparedness to work with culturally and linguistically divers populations (A43)</td>
<td>Melissa Rotsides</td>
<td>Valerie Johnson</td>
<td>Dr. Valerie Johnson</td>
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**Undergraduate Award Nominees for Poster Presentations**

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<td>Progress on the design and synthesis of alternate substrates and inhibitors of indole-3-glycerol phosphate (A4)</td>
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<td>FDA and the First Amendment effects on off-label drug marketing (A51)</td>
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<td>Anum Aftab</td>
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<td>Froogh Aziz</td>
<td>Dr. David Townsend</td>
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<td>Design of knapsack cryptosystems using certain t-superincreasing</td>
<td>Rob Rexler Baello</td>
<td>Donald Coleman</td>
<td>Dr. Aihua Li</td>
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<td>Robert Barrows</td>
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<td>Dr. Nicole Panorkou</td>
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<td>quadrilaterals (A5)</td>
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<td>Infants' comprehension of spatial prepositions (A6)</td>
<td>Amrita Bindra</td>
<td>Omaris Garcia, Delores Ponton</td>
<td>Dr. Laura Lakusta</td>
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<td>Sanjay Advani</td>
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<td>Combined approach to word-finding intervention: A case study (A8)</td>
<td>Kelsey Burke</td>
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<td>Effect of synthesis conditions on the spectroscopic properties of</td>
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<td>Jeffrey Wahome</td>
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<td>Elizabeth Chalmers</td>
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<td>Is early adolescent self-regulation associated with the 5 Cs of</td>
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<td>Barrios, Lauren Gama, Rebecca Jensen,</td>
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<td>Victoria Illnick, Marisa MacDonnell</td>
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<td>Green tea Camellia sinensis inhibitory effects on the biofilm</td>
<td>Christopher Chen</td>
<td>Hassan Tahir, Paul Levinsky</td>
<td>Dr. Lee Lee</td>
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<td>Citizens united: The effects of corporate influence on the political process</td>
<td>Brandon Citer</td>
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<td>Neuroscience and counseling: An integrative approach</td>
<td>Thomas Conklin</td>
<td>Dr. Sandra Lopez-Baez</td>
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<td>Infants’ comprehension of source and goal path terms in motion events</td>
<td>Kelsey Conlon</td>
<td>Dr. Laura Lakusta</td>
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<td>Addressing environmental concerns of hydraulic fracturing in urban areas of western Pennsylvania using GIS</td>
<td>Jason Darley</td>
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<td>Covert contrasts in typical and remediated productions of /r/</td>
<td>Lauren Dioguardi</td>
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<td>Fatou Diop</td>
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<td>Annotation of novel bacteriophage genomes from New Jersey soil</td>
<td>Schyler Edwards</td>
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<td>Conformational motions associated with ligand binding to with Apo and Holo DHFR</td>
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<td>An interdisciplinary approach to the solitary confinement and its ramifications on the Eighth Amendment</td>
<td>Paola Garcia Alzate</td>
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<td>Getting a kick out of sports marketing - How MSU students developed smart promotion and sales strategies for the New York Red Bulls</td>
<td>Valerie Iaccarino</td>
<td>Dr. Ricard Jensen</td>
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<td>How does the theory of planned behavior affect the possibility of becoming pregnant out of marriage? (A23)</td>
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<td>Dr. Christopher Donoghue</td>
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<td>Effect of pH on Cry-DASH UV-damaged DNA repair activity (A24)</td>
<td>Pamela Jumbo</td>
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<td>Meredyth Appelbaum, AuD</td>
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<td>Effects of telicity on syntactic reanalysis in reduced relative clauses (A26)</td>
<td>Ryan King</td>
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<td>Predicted pattern of bone loss in long-term spaceflight (A27)</td>
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<td>Green tea polyphenols inhibit biofilm formation in streptococcus mutans (A28)</td>
<td>Paul Levinsky</td>
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<td>Investigation of the oligomeric structure of cryptochrome using fluorescence (A29)</td>
<td>Mengqi Li</td>
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<td>Israa Maani</td>
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<td>How a team of MSU students created a sports ticket sales strategy in 24 hours: What we learned from taking part in the sports marketing association national case study (A31)</td>
<td>Alexis Marrero</td>
<td>Dr. Ricard Jensen</td>
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<td>A Hedonic study of the surrounding contaminated area of Liberty State Park and the environmental qualities present (A32)</td>
<td>Rachel Maynard</td>
<td>Dr. Pankaj Lal</td>
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<td>Co-author(s): Pankaj Lal, Gregory Pope, Bernabas Wolde, Pralhad Burli</td>
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<td>Advisor: Dr. Pankaj Lal</td>
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Presenter: Jason McManus
Co-author: Dirk Vanderklein, Mika Munakata
Advisor: Dr. Mika Munakata

Title: Somali Piracy (A34)
Presenter: Thina Minya
Advisor: Dr. Elizabeth Wishnick

Title: Eating rates (A35)
Presenter: Ann Nduati
Co-author(s): Diana Thomas, Corby Martin
Advisor: Dr. Diana Thomas

Title: Defying all odds: Understanding the ability of heavily contaminated soil to sustain life (A36)
Presenter: Eleanor Ojinnaka
Co-author(s): Danielle Le Roux, Thamanna Misbah
Advisor: Dr. Nina Goodey

Title: Suspensions in high school and their association with drug use (A37)
Presenter: Duygu Payidarol
Advisor: Dr. Christopher Donoghue

Title: Cloning and expression of Cryptochrome proteins from Arabidopsis thaliana (A38)
Presenter: Mendelsohn Philippe
Advisor: Dr. Jim Dyer

Title: A comparison of backpack load carriage with and without a hip strap (A39)
Presenter: Loren Pigman
Co-author(s): Steven Leigh, Peter Hosick
Advisor: Dr. Steven Leigh

Title: Diel habitat utilization of fish and decapod species in Great Lameshur Bay, St. Johns, USVI (A40)
Presenter: Elizabeth Pudlak
Co-author: Matthew Cheung
Advisor: Dr. Paul Bologna

Title: How to find toddlers with cognitive disabilities in another country (A41)
Presenter: Paula Roa
Co-author: Katherine Lee
Advisor: Dr. Peter Vietze

Title: Assessing phosphorus storage in sediments of Lake Hopatcong (NJ) (A42)
Presenter: Alessandra Rossi
Co-author(s): Kevin Olsen, Marco Finocchiaro, Matthew Del Ciello, Meiyin Wu
Advisor: Dr. Meiyin Wu
Title: SLP graduate students’ perceived preparedness to work with culturally and linguistically diverse populations (A43)
Presenter: Melissa Rotsides
Co-author: Valerie Johnson
Advisor: Dr. Valerie Johnson

Title: Foraging efficiency of immature Blatta lateralis and Blatella germanica in simple and complex environments (A44)
Presenter: Stefania Ruiz
Advisor: Dr. Scott Kight

Title: Listeners perception of Voice Onset Time (VOT) (A45)
Presenter: Colleen Russell
Co-author: Kristen Shubeck
Advisor: Dr. Elaine Hitchcock

Title: A lithologic and geomorphic analysis of the Kittatinny Ridge, Appalachian Mts. (A46)
Presenter: David Sharpe
Advisor: Dr. Joshua Galster

Title: Characterization of full-length candidate genes captured by Helitrons (A47)
Presenter: Kaitlyn Socha
Co-author(s): Priscilla Cordova, Juned Ahmed, Amanda Ezeiruaku
Advisor: Dr. Chunguang Du

Title: Infants’ categorization of goal and source events (A48)
Presenter: Danielle Spinelli
Co-author(s): Moira Anthony, Amanda Quinn, Katie Wiseman
Advisor: Dr. Laura Lakusta

Title: Effect of BK channel inhibition on PC12 cell migration (A49)
Presenter: Carola Springer
Co-author: Michael Young
Advisor: Dr. Elena Petroff

Title: A bioinformatics study of HSV glycoprotein structure and ligand binding of EGCG and EGCG-stearate (A50)
Presenter: James Stamos
Co-author(s): Rima Rana, Siti Ayuni Mohammed Yussof, Peter Stamos
Advisor: Dr. Lee Lee

Title: FDA and the First Amendment effects on off-label drug marketing (A51)
Presenter: Monica Stanislawczyk
Advisor: Dr. Ian Drake
Title: Common dietary concerns of residents at a rehabilitation facility as evidenced by patient satisfaction surveys (A52)
Presenter: Stephanie Suhai
Co-author: Shahla Wunderlich
Advisor: Dr. Shahla Wunderlich

Title: Crude and pure green tea polyphenols as a novel approach to inhibiting biofilm formation in Pseudomonas aeruginosa (A53)
Presenter: Hassan Tahir
Co-author: Christopher Chen, Lee Lee
Advisor: Dr. Lee Lee

Title: Assessment of home range, behavior, and population intermixing among bottlenose dolphins in New Jersey (A54)
Presenter: Colleen Talty
Co-author(s): Paul Bologna, Andrew Wright
Advisor: Dr. Paul Bologna

Title: An examination of net neutrality (A55)
Presenter: Joseph Teschner
Advisor: Dr. Ian Drake

Title: Interfacially activated aggregation of Alpa Synuclein (A56)
Presenter: Miranda Torres
Co-author: Michiru Sprague, Yuliana Cardenas, David Talaga
Advisor: Dr. David Talaga

Title: Characterization of UV-quenching dissolved organic matters in landfill leachate (A57)
Presenter: Alicja Trzopek
Advisor: Dr. Yang Deng

Title: Caribbean sea sponge diversity and size distribution: A new age biofilter (A58)
Presenter: Patrick Vojnyk
Co-author: Iraida Alvarez
Advisor: Dr. Paul Bologna

Title: A profiling study to determine the susceptibility of erythromycin and green tea polyphenols on Bacillus megaterium, Pseudomonas aeruginosa and Mycobacterium (A59)
Presenter: Siti Ayuni Mohammed Yussof
Co-author(s): Chandni Rana, Kilvia Garcia
Advisor: Dr. Lee Lee

Title: Investigative analysis on ancient marble rock at the Villa of the Antonines (A60)
Presenter: Salvatore Zerbo
Co-author(s): Stefanie Brachfeld, Gregory Pope, Deborah Chatr Aryamontri, Laying Wu, Timothy Renner
Advisor: Dr. Stefanie Brachfeld
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<td>Isolation and characterization of novel Mycobacterium bacteriophage and Arthrobacter bacteriophage from New Jersey soil (B3)</td>
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<td>What is causing the over population of sea nettles and jellyfish in the ocean waters of Barnet Bay? (B4)</td>
<td>Victoria Anderson</td>
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<td>The ping-pong effect: Extinction dynamics in stochastic populations with migration (B5)</td>
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<td>Veronica Barrios</td>
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Title: Neuroscience and counseling: An integrative approach (B9)
Presenter: Thomas Conklin
Co-author(s): Kathy Shoemaker, Marie Daverio
Advisor: Dr. Sandra Lopez-Baez

Title: The female presence on United States juries and its impact on criminal case decisions (B10)
Presenter: Kelly Degen
Advisor: Dr. Ian Drake

Title: Measures of handedness (B11)
Presenter: Kyle Dodd
Advisor: Dr. Ruth Propper

Title: The effect of pitch on size perception of circles and dogs (B12)
Presenter: Melissa Espin
Co-author(s): Danielle Magna, Sanjay Advani
Advisor: Dr. Yoav Arieh

Title: Using graphical processing units for computing optimal band selection in hyperspectral data (B13)
Presenter: Michael Estwanick
Advisor: Dr. Stefan Robila

Title: Microbial diversity of different sized aggregates in metal contaminated soils (B14)
Presenter: Yanina Figuereo
Advisor: Dr. Jennifer Krumins

Title: RET dependent transcriptional changes of cell signaling proteins in neuroblastoma cells (B15)
Presenter: Elizabeth Flores
Advisor: Dr. Quinn Vega

Title: Soil water sources for non-native species Japanese knotweed, Phragmites and Multiflora rose (B16)
Presenter: Mariya Guzner
Co-author(s): Joshua Galster, Dirk Vanderklein
Advisor: Dr. Dirk Vanderklein

Title: Utilizing CRISPR-Cas9 gene editing technique to eliminate target sequence from ICER promoter in Zebrafish (Danio rerio) (B17)
Presenter: Cory Haluska
Advisor: Dr. Carlos Molina
Title: Project DASH:  (Divas Against the Spread of HIV/AIDS):  Results of a pilot study on HIV risk and mother-daughter communication among African American daughters with HIV+ mothers (B18)
Presenter: Rodney Hammond
Co-author(s): Lauren Ramos, Winston Abara, Patryce Burgess, Ndidiamaka Amutah
Advisor: Dr. Ndidiamaka Amutah

Title: Rsyn:  A java program for effective RNA interference (B19)
Presenter: Erich Homenik
Co-author(s): Oscar Acebo, Hussein Jumhour
Advisor: Dr. Chunguang Du

Title: Opportunities for college students in the baseball industry (B20)
Presenter: Justin Keating
Advisor: Dr. Yawei Wang

Title: Microplastic distribution within a mussel bed at Sandy Hook, NJ (B21)
Presenter: Matthew Khan
Advisor: Dr. Robert Prezant

Title: A cost-benefit approach towards New Jersey coastal protection and replenishment practices, using hedonic modeling (B61)
Presenter: Jesse Kolodin
Co-author(s): Pankaj Lal, Robert Taylor
Advisor: Dr. Jorge Lorenzo-Trueba

Title: Relationships between predicted energy intake, the Institute of Medicine guidelines, and self-reported energy intake in the pregnancy, infection, and nutrition study:  New insights derived from a dynamic energy balance model (B22)
Presenter: Jenie Kunnipparampil
Advisor: Dr. Diana Thomas

Title: Nuestro pasion:  Exploring Latino professional counselor identity (B23)
Presenter: Anna Flores Locke
Co-author: Carlos Flores
Advisor: Dr. Muninder Ahluwalia

Title: The impact of biased fact finding on abortion rights (B24)
Presenter: Anatoly Maloletkin
Advisor: Dr. Ian Drake

Title: Seagrass wrack as a potential benthic-pelagic link in Barnegat Bay, NJ (B25)
Presenter: Joseph McGinnis
Co-author(s): Paul Bologna, Jack Gaynor, Robert Meredith
Advisor: Dr. Paul Bologna
Title: Recovery of red mangrove communities: Assessment of prop root fouling communities (B26)
Presenter: Christopher Petrillo
Co-author: Carmeria Hunter
Advisor: Dr. Paul Bologna

Title: The legal and economic implications of eminent domain in the United States (B27)
Presenter: Leonel Quintanilla
Advisor: Dr. Ian Drake

Title: Love that dirty water: Potential microbial diversity in on-street Manhattan hot dog water (B28)
Presenter: Jessica Rajchel
Co-author(s): Annamaria De Bari, Nelson Casanova, Isabella Pastor
Advisor: Dr. John Gaynor

Title: Study the effect of selenium oxide on the toxicity of cadmium chloride in the growth of Cyanobacteria synechococcus sp. IU 625 (B29)
Presenter: Rima Rana
Co-author(s): Ami Rana, Lee Lee
Advisor: Dr. Lee Lee

Title: Optional complementiser "if" in English: Does rhythmic alternation have an influence? (B30)
Presenter: Stephanie Ridge
Advisor: Dr. Jonathan Howell

Title: Seasonal variation in starch content of two trees growing on contaminated soil (B31)
Presenter: Rebecca Rocha-Nascimento
Co-author(s): Ariel Flood, Karina Schafer
Advisor: Dr. Dirk Vanderklein

Title: Projected mid-twenty-first century climate changes in the White Volta Basin, West Africa (B32)
Presenter: Munni Salik
Co-author: Clement Alo, Felix Oteng
Advisor: Dr. Clement Alo

Title: The effects of the welfare state on society: An interdisciplinary approach to individual rights, concerning drug testing as a condition for financial government assistance (B33)
Presenter: Rachel Sandman
Advisor: Dr. Ian Drake

Title: Power lines: More foe than friend (B34)
Presenter: Ryan Santo
Advisor: Dr. Gregory Pope
Title: Play interaction differences of mother-infant dyads with and without developmental delays (B35)
Presenter: Fabio Simao
Advisor: Dr. Peter Vietze

Title: The effects of verb aspect and telicity on comprehension (B36)
Presenter: Rachel Ventrella
Advisor: Dr. David Townsend

Title: Piloting a model of inquiry-oriented supplemental instruction for Calculus I (B37)
Presenter: Karmen Yu
Co-author: Trina Wooten
Advisor: Dr. Steven Greenstein

Title: Prevalence of the pathogen ranavirus throughout the NE USA: Results from a five state two year study (B38)
Presenter: Dajana Borova
Co-author(s): Alvin Mercado, Mollie Rosenkrantz, Anthony Strobolakos, Tori Zirul
Advisor: Dr. Kirsten Monsen-Collar

Title: 2012 demography of car crash fatalities due to alcohol in New Jersey and New York (B39)
Presenter: Alex Caputi
Advisor: Dr. Gregory Pope

Title: GeoTagger: A sustainability platform for citizens and researchers (B40)
Presenter: Andrew DeStefano
Co-author(s): Paul Cushman, Nikita Panchariya, Varsha Nimbagal, Revathi Ragupathy, Benjamin Colsey, Brandon Hesse, Travis Gant, et al.
Advisor(s): Dr. Jerry Alan Fails, Dr. Katherine Herbert, Dr. Emily Hill

Title: Pushing bears over the edge: The impact that loss of land has on the Black Bear as well as the Polar Bear (B41)
Presenter: Andrea Fernandez
Advisor: Dr. Gregory Pope

Title: Mind the gap: Technology solutions for evaluation research in another country (B42)
Presenter: Lauren Gama
Co-author(s): Marisa MacDonnell, Victoria Illnick, Rebecca Jensen, Veronica Barrios, Lisa Chauveron, Miriam Linver, Jennifer Urban
Advisor: Dr. Jennifer Urban, Dr. Miriam Linver

Title: Observing the relationship between land use and contaminated sites (B43)
Presenter: Duke Hong
Advisor: Dr. Gregory Pope
Complexities of sensory conflict as an explanation for different types of motion sickness (B44)
Presenter: Daphne Labropoulos
Co-author: Frederick Bonato, Andrea Bubka
Advisor: Dr. Frederick Bonato

Environmental correlates of ranavirus disease distribution in New Jersey (B45)
Presenter: Adriana Messyasz
Co-author: Lisa Hazard, Kirsten Monsen-Collar
Advisor: Dr. Lisa Hazard

A comparison of backpack load carriage with and without a hip strap (B46)
Presenter: Loren Pigman
Co-author(s): Steven Leigh, Peter Hosick
Advisor: Dr. Steven Leigh

Applying cogmed to improve working memory abilities after Traumatic Brain Injury (TBI) (B47)
Presenter: Paula Roa
Co-author: Angela Roa
Advisor: Julia Coyne

An analysis of the changing flood zones compared to change in land use in the Paterson area of the Passaic River (B48)
Presenter: Claire Rolling
Advisor: Dr. Gregory Pope

A proposed study of millennial preservice mathematics teachers’ cultural experiences and implications for instruction (B49)
Presenter: Justin Seventko
Advisor: Dr. Steven Greenstein

Frequent flooding affecting real estate market in New Milford, New Jersey (B50)
Presenter: Shiran Sewpal
Advisor: Dr. Gregory Pope

IEEE floating point converter Tool 1.1 (B51)
Presenter: Cesar Sosa
Co-author(s): Tyler Sookdeo, Sebastian Kufel
Advisor: Dr. George Antoniou

The desynchronization of storm discharge peaks from modeling LID impacts in a small, urbanized watershed in New Jersey (B52)
Presenter: Erik Strandskov
Advisor: Dr. Joshua Galster
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<td>It’s all mental: Collegiate student-athletes and suicidal ideation</td>
<td>Margaret Walsh</td>
<td>Alyssa Sceppaguercio, Christina Celfo</td>
<td>Rebecca Swann-Jackson</td>
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<td>A classroom undergraduate research experience: Annotation of a</td>
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<td>Cantius Peterkin, Yaw Anyemedu, Keyana</td>
<td>Dr. Chunguang Du</td>
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<td>Davis, Maged Hanafy, Fedlene Larose,</td>
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Assistant Professor, School of Communication and Media,
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Dr. Douglas Murray
Assistant Professor, Health and Nutrition Sciences,
College of Education and Human Services

Dr. Douglas Murray, Assistant Professor of Food Systems, researches serious leisure satisfaction and motivation across multiple activities, food safety and the craft beer industry. Murray has published in such academic journals as the British Food Journal, the World Leisure Journal and Advances in Bioscience and Biotechnology. Dr. Murray serves on the scientific advisory boards of the International Conference of Culinary Arts and Sciences and the Jordan International Tourism and Hospitality Conference. In addition, Dr. Murray brings extensive food management expertise to his inquiries, having held leadership positions in chain restaurant operations, private clubs and other industries.

Dr. Ian Drake
Assistant Professor, Political Science and Law,
College of Humanities and Social Sciences

Dr. Ian Drake received his PhD in American history from the University of Maryland at College Park in 2010. His teaching interests include the American judiciary and legal systems; the U.S. Supreme Court and constitutional history; and the history and contemporary study of law and society. Most recently he has focused on the history of American constitutional law and private law, particularly tort and contract law. Dr. Drake is currently conducting research on animal protection laws, First Amendment rights, and the politics of the treatment of animals used in industrial agriculture. Prior to earning his PhD in history, Dr. Drake practiced law in the areas of insurance and tort law.

Dr. Gregory Pope
Associate Professor, Earth and Environment Sciences,
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Dr. Gregory Pope focuses his research on how ancient and historic stone monuments and architecture deteriorate over time; how rock art can be dated and protected; how soils tell a detailed story about climate change over millennia; and how ancient human societies impact their environments. The common theme in these pursuits is the integration of holistic earth sciences with human dimensions. His research work is sponsored by the National Science Foundation, and he works with colleagues in Portugal, China, Northern Ireland and throughout the United States.

Dr. C. Jayachandran
Professor, Marketing, School of Business

Dr. C. Jayachandran is a professor of Marketing and International Business with teaching, research and consulting interests in internationalization of SMEs, market entry modes and marketing strategies with a focus on emerging markets. He played a leadership role in developing and implementing undergraduate and graduate programs in international business and outreach services for SMEs. As part of this initiative, Dr. Jayachandran developed grant proposals and received Title VI B grants from the U.S. Department of Education and played a role in creating programs and student internships.
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