Schedule

8:30 am – 9:00 am  **Registration and Continental Breakfast**  
University Hall Conference Center

9:00 am – 9:15 am  **Opening Remarks – Dr. Willard Gingerich**  
Provost and Vice President for Academic Affairs  
University Hall Conference Center

9:15 am – 10:15 am  **Poster Session Block A**  
University Hall Conference Center

10:25 am – 11:50 am  **Oral and Multimedia Presentations Block A**  
Room assignments listed in program

12:00 pm – 12:50 pm  **Lunch and Keynote Address**  
Student Center Ballrooms

1:00 pm – 2:25 pm  **Oral and Multimedia Presentations Block B**  
Room assignments listed in program

2:25 pm – 3:25 pm  **Poster Session Block B**  
University Hall Conference Center

3:35 am – 5:00 pm  **Oral and Multimedia Presentations Block C**  
Room assignments listed in program

5:00 pm  **Award Presentations and Closing Remarks**  
General Symposium Awards and Closing Remarks  
Outstanding Interdisciplinary Presentations and Posters  
University Hall 1020

College of Science and Mathematics  
Sigma Xi Awards  
University Hall Courtyard Lounge
Oral and Multimedia Presentations

Block A: 10:25 am – 11:50 am

1. Undergraduate Award Nominees – University Hall 2031
   Moderator: Dr. Michael Kruege

   Presenter: Darlene Kim  
   Advisor: Dr. Jennifer Urban  
   Title: The process of developing an interview protocol for qualitative data collection in a large scale mixed methods study
   Co-authors: Samantha Spencer, Kelly Panchoo, Michael Puccio, Stephanie Phelan, Marissa Burgermaster

   Presenter: Celina Poggiogalle  
   Advisor: Dr. Teresa Fiore  
   Title: Foreigners at home: Cultural expression as agency for non-citizen Italian natives

   Presenter: Kenneth Svolto  
   Advisor: Dr. Michael Kruege  
   Title: Geological history, significance and projected lifespan of the Marcellus Shale natural gas resource

   Presenter: Daniel Traum  
   Advisor: Dr. Avinandan Mukherjee  
   Title: Factors influencing direct to consumer genetic testing in the U.S.A.

   Presenter: Kelly Vaghenas  
   Advisor: Dr. Neil Baldwin  
   Title: Danthropology: A new interdisciplinary after-school project in structured play

2. Graduate Award Nominees – University Hall 2032
   Moderator: Dr. Monica Taylor

   Presenter: Brett V. Morgan  
   Advisor: Dr. Valerie Sessa  
   Title: Learning pattern’s relationship to key events and lessons from college student leadership development experiences

   Presenter: Michael Pawlish  
   Advisor: Dr. Aparna S. Varde  
   Title: Towards a next generation green data center

   Presenter: Jen Schiller  
   Advisor: Dr. Neil Baldwin  
   Title: Filling the cultural void: Toward a new young adult theatre

   Presenter: Kathryn Strom  
   Advisor: Dr. Monica Taylor  
   Title: A year in the third space: The praxis of inquiry
   Co-authors: Linda Abrams, Emily Klein, Monica Taylor, Cindy Onore

3. Removing Religion from the Public Schools – University Hall 2046
   Moderator: Dr. Dorothy Rogers

   Presenter: Chris Bartlett  
   Advisor: Dr. David Benfield  
   Title: The foundations of morality

   Presenter: Yiannis Floropoulos  
   Advisor: Dr. Jack LeClair  
   Title: The legality of religion in public education

   Presenter: Sabrina MisirHiralall  
   Advisor: Dr. Dorothy Rogers  
   Title: Religion, morality and character education: Philosophy for children as an alternative

4. Science and Politics of Water – University Hall 2025
   Moderator: Dr. Gregory Pope

   Presenter: Victor Henao  
   Advisor: Dr. Sandra Passchier  
   Title: Paleoproductivity of the Southern Ocean during the Middle Miocene Epoch
Presenter: Leon Lider  
Advisor: Dr. Eric Forgoston  
Title: Thermohaline circulation and its role in weather and climate

Presenter: Lorraine Malkowitz  
Advisor: Dr. John Gaynor  
Title: Sequencing of the β-actin gene from the sea nettle (Chrysaora quinquecirrha)

Presenter: Michelle Pomponio  
Advisor: Dr. Gregory Pope  
Title: The Colorado River Compact and the effects it has upon growing urban populations

Presenter: Aslan Varoqua  
Advisor: Dr. Gregory Pope  
Title: Problems and criticisms facing flood relief NGOs and how GIS can address corruption and improve efficiency

5. Children and the Law – University Hall 2021  
Moderator: Dr. Ian Drake

Presenter: Rachel DiGiacomo  
Advisor: Dr. Ian Drake  
Title: Freedom of expression should be free of consequences

Presenter: Janelly Landa  
Advisor: Avram B. Segall, Esq  
Title: New Jersey’s Anti-Bullying Bill of Rights: The end to bullying in New Jersey?

Presenter: Preeti Patel  
Advisor: Dr. Silvia C. Pastor  
Title: Making social maladjustment and emotional disturbance one entity
Co-authors: Brittany Silverman, Preeti Patel

6. Understanding the Process of Learning – University Hall 2013  
Moderator: Dr. Laura Lakusta

Presenter: Stephanie Chilingerian  
Advisor: Dr. Susana Sotillo  
Title: The color coded conceptual model for a five paragraph essay

Presenter: Daniel Fisherman  
Advisor: Dr. Maughn Gregory  
Title: Mind education and active content

Presenter: Shanique McGowan  
Advisor: Dr. Laura Lakusta  
Title: Adults motion event representations: Memory of endpoints for accidental actions

Presenter: Sita Patel  
Advisor: Dr. Anne Edstrom  
Title: Why we choose to study a particular language

7. Analyzing Myth – University Hall 2012  
Moderator: Dr. Elizabeth Emery

Presenter: Antonio De Bari  
Advisor: Dr. Glen Gill  
Title: Mythopoeia, mythology and fantasy in J. R. R. Tolkien’s The Silmarillion

Presenter: John Turcich  
Advisor: Dr. Glen Gill  
Title: “Tolk-lore”: Folkloric motifs in Tolkien’s The Silmarillion

Presenter: Catherine Winters  
Advisor: Dr. Elizabeth Emery  
Title: The use of myth in modernist literature

8. Mathematics Education – University Hall 2011  
Moderator: Dr. Soo Jin Lee

Presenter: Nataly Chesky  
Advisor: Dr. Mark Weinstein  
Title: Exploring a new framework for thinking about philosophy of mathematics education
Oral and Multimedia Presentations
Block B: 1:00 pm – 2:25 pm

1. The Science and Sociology of Health – University Hall 2010
   Moderator: Dr. Kate Nooner

   Presenter: Melissa Mary Belloff
   Advisor: Dr. Elaine Gerber

   Title: Highways and high velocity freedom: An analysis of neurological events in unrestrained occupant car crashes

   Presenter: Shaquanna Brown
   Advisor: Dr. Kate Nooner

   Title: Trauma exposure problem behaviors and psychosis

   Presenter: Mario Caldararo
   Advisor: Dr. Sandra Adams

   Title: Investigation of latency in Herpes simplex virus-1 in cultured cells

   Presenter: Daniel Traum
   Advisor: Dr. Sandra Adams

   Title: Inhibition of HSV by black tea polyphenols in cultured cells

2. Spanish and Spanish-American Studies – University Hall 2009
   Moderator: Dr. Linda Gould Levine

   Presenter: Susan Leon-Guerrero
   Advisor: Dr. Linda Gould Levine

   Title: Mechanisms of control: The case of El rapto del Santo Grial’s King Arthur and Spain’s Franco

   Presenter: Joseph Losito
   Advisor: Dr. Mark Clatterbuck

   Title: Religion, greed and power in the Cartas de Relación of Hernán Cortés

   Presenter: Jennifer Lyons
   Advisor: Dr. Linda Gould Levine

   Title: Public and private spaces in the Time of Doves by Mercé Rodoreda

   Presenter: Jaime Paris
   Advisor: Dr. Linda Gould Levine

   Title: “Hemingway’s shadow”: Intertextuality in Javier Cercas’ The Speed of Light

3. Internet Issues and Applications – University Hall 2008
   Moderator: Dr. Patrali Chatterjee

   Presenter: Lauren Beattie
   Advisor: Dr. Patrali Chatterjee

   Title: Analysis of purchase behavior at online retail websites
   Co-authors: Michael Vitiello, Margo Rogich

   Presenter: Rajni Dhanjani
   Advisor: Dr. Patrali Chatterjee

   Title: A study of brand cues on brand Facebook pages

   Presenter: Ryan Dicovitsky
   Advisor: Dr. Christine Lemesianou

   Title: Social mobility: An analysis of wireless carriers’ social media presence

   Presenter: Pamela Shirley Honores
   Advisor: Dr. Patrali Chatterjee

   Title: Consumer engagement with brands on Facebook
   Co-author: Events Rene
4. Policy in Social Science – University Hall 2007
Moderator: Avram B. Segall, Esq.

Presenter: Adrian Martinez Garza Morales
Advisor: Dr. Ian Drake
Title: Deconstructing the federal government’s exclusive authority to regulate immigration: How Arizona’s Immigration Enforcement Law SB 1070 collides with the U.S. Constitution

Presenter: Sara Obeid
Advisor: Avram B. Segall, Esq.
Title: The right to a competent counsel when accepting or rejecting a plea bargain

Presenter: John Paul Poplawski
Advisor: Dr. Ian Drake
Title: Triangulation: GPS surveillance, the Fourth Amendment, and public security in United States v. Jones

Presenter: Michael Valvano
Advisor: Avram B. Segall, Esq.
Title: Campaign spending and its effect on political elections in the United States

5. Pure and Applied Mathematics – University Hall 2006
Moderator: Dr. Jonathan Cutler

Presenter: James Alexander
Advisor: Dr. Jonathan Cutler
Title: Independent sets in graphs with given minimum degree

Presenter: Nicholas Kass
Advisor: Dr. Jonathan Cutler
Title: Extremal problems for graph homomorphisms

Presenter: Nicholas Kass
Advisor: Dr. Eric Forgoston
Title: Complex patterns in a simple system

Presenter: Timothy Mink
Advisor: Dr. Jonathan Cutler
Title: Entropy bounds on the number of independent sets in graphs
Co-author: James Alexander

Presenter: Maria Kristina Torbratt
Advisor: Dr. Eric Forgoston
Title: Modeling biological and robotic swarm behavior

6. Interdisciplinary Issues in Teaching and Teacher Education– University Hall 2004
Moderator: Dr. Corey Webel

Presenter: Linda Abrams
Advisor: Dr. Douglas Larkin
Title: Practicing practice: Making a case for or against preparing teachers in schools

Presenter: James Owen
Advisor: Dr. Marissa Silverman
Title: Teaching musicianship through discourse

Presenter: Douglas Platt
Advisor: Dr. Corey Webel
Title: Alignment and misalignment of a teacher's beliefs and her classroom practices at the high school level

7. Adolescents in Social Context – University Hall 2002
Moderator: Dr. Douglas Larkin

Presenter: Melinda Iannarone
Advisor: Dr. Ian Drake
Title: Not little adults: Unconstitutional sentencing of minors in the criminal justice system
<table>
<thead>
<tr>
<th>Presenter</th>
<th>Advisor</th>
<th>Title</th>
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<tbody>
<tr>
<td>Jose M. Rodas Riveras</td>
<td>Dr. Pearl Stewart</td>
<td>Ambiguous loss among Latino first generation students and their families</td>
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<tr>
<td>John Terry</td>
<td>Dr. Mayida Zaal</td>
<td>Youth participatory action researchers and their sense of self efficacy</td>
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<tr>
<td>Melissa Antolovich</td>
<td>Dr. Naomi Liebler</td>
<td>The unalterable identity: Shakespeare and onomastics</td>
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<tr>
<td>John McNeill</td>
<td>Dr. Naomi Liebler</td>
<td>Shakespeare to shock doctrine</td>
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<tr>
<td>Katherine Oakes</td>
<td>Dr. Naomi Liebler</td>
<td>Romanitas as a cultural identity in <em>Titus Andronicus</em></td>
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<tr>
<td>Katherine Lynn Riabov</td>
<td>Dr. Naomi Liebler</td>
<td>Community as the tragic hero in Shakespearean tragedies</td>
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</table>

**Oral and Multimedia Presentations**

*Block C: 3:35 pm - 5:00 pm*

### 1. Pure and Applied Chemistry – University Hall 2032
**Moderator: Dr. Nina M. Goodey**

- **Presenter:** Maryam Alapa  
  **Advisor:** Dr. Nina M. Goodey  
  **Title:** Conformational motions associated with methotrexate binding to dihydrofolate reductase from *Bacillus stearothermophilus*

- **Presenter:** Mark DeMilio  
  **Advisor:** Dr. Johannes Schelvis  
  **Title:** Comparison of the reduction potential of tryptophan in H₂O and D₂O

- **Presenter:** Robert Ernst  
  **Advisor:** Dr. Shifeng Hou  
  **Title:** Graphene oxide based sorbents for nickel removal from water sample

- **Presenter:** Anthony Lazaro  
  **Advisor:** Dr. Saliya Desilva  
  **Co-author:** Agnieszka Pawlik  
  **Title:** Fluorescent sensors for cations

- **Presenter:** Rinam Shah  
  **Advisor:** Dr. Shifeng Hou  
  **Title:** A new type of nanoparticles found as absorbent for removing heavy metal ions from waste water samples

### 2. Ethics Past and Present – University Hall 2031
**Moderator: Avram B. Segall, Esq.**

- **Presenter:** Alexandra Perry  
  **Advisor:** Dr. Maughn Gregory  
  **Title:** The ethics of consent and parental prerogative in autism treatment

- **Presenter:** John Paul Poplawski  
  **Advisor:** Dr. Brian Smith  
  **Title:** Love thy neighbor: Aspirational political theology in Western thought

- **Presenter:** Christine Taylor  
  **Advisor:** Avram B. Segall, Esq.  
  **Title:** Agricultural farming in the Twenty-First Century: Monsanto or organic

- **Presenter:** Maria Vintimilla  
  **Advisor:** Avram B. Segall, Esq.  
  **Title:** Human cloning and the Fourteenth Amendment
3. Environmental Business – University Hall 2025
   Moderator: Dr. Robert Taylor

   Presenter: Catherine Alexander          Advisor: Dr. Robert Taylor
   Title: Urban agriculture’s historical, current, and potential contributions to food security

   Presenter: Anthony Ndiege               Advisor: Dr. Avinandan Mukherjee
   Title: Corporate disclosure patterns in sustainability reporting

   Presenter: Kevin Olsen                   Advisor: Dr. Michael Kruge
   Title: The net men and the anglers

   Presenter: Nadezhda Razumov             Advisor: Avram B. Segall, Esq.
   Title: Legality of hydraulic fracturing under the Safe Drinking Water Act

   Presenter: Kristen Shah                 Advisor: Dr. Patrali Chatterjee
   Title: Branding strategy for green product brand extensions

4. Multiculturalism and Global Issues – University Hall 2021
   Moderator: Dr. Tyson Lewis

   Presenter: Jacqueline Dauplaise       Advisor: Dr. Rebecca Goldstein
   Title: How does the news media portray free primary education in Kenya?

   Presenter: Naz Onel                   Advisor: Dr. Avinandan Mukherjee
   Title: The effects of national culture and human development on environmental health
   Co-author: Avinandan Mukherjee

   Presenter: Marta Pires                Advisor: Dr. Tyson Lewis
   Title: The body as political discourse: An affective approach to children’s rights

   Presenter: Gail Perry Ryder           Advisor: Dr. Ana Maria Villegas
   Title: Advancing the social justice agenda in elementary and secondary schools by preparing candidates of color as culturally responsive teachers
   Co-authors: Ana Maria Villegas, Tamara Lucas

   Presenter: Lavina Sequeira            Advisor: Dr. Jeremy Price
   Title: Americans with a twist: Identity negotiation of second generation adolescents of Asian Indian descent

5. Authority and Resistance – University Hall 2013
   Moderator: Dr. Melinda Knight

   Presenter: Leonard Grant              Advisor: Dr. Melinda Knight
   Title: Captain Cook’s writing assignment

   Presenter: Gloria Lugo                Advisor: Dr. Melinda Knight
   Title: Muckrakers and the titans of industry: Elite cultural products of the guilded age and progressive era that champion corporate capitalism

   Presenter: Olivier Michaud            Advisor: Dr. Kathryn Herr
   Title: Perspectives on educational authority

   Presenter: Alexandria Rossillo        Advisor: Dr. Jean Alvarez
   Title: The hidden power of women in the Imperial Empire of Rome
6. Business and Technology – University Hall 2012
Moderator: Dr. Mark Kay

Presenter: Shireesha Chandra
Advisor: Dr. Aparna S. Varde
Title: Data processing in the cloud using Hive

Presenter: Andrew Costello
Advisor: Dr. Ian Drake
Title: Legal and political implications of internet censorship

Presenter: Stefan Genzor
Advisors: Drs. Hermann Sintim and Susana Yu
Title: Stock research project
Co-authors: Parth Shah, Francesco Colombo, Drew Heimlich, Michael Polifonte

Presenter: Avraham Groll
Advisor: Dr. Mark Kay
Title: Researching the membership characteristics of JewishGen.org

Presenter: Roseanne Kautz
Advisor: Dr. Patrali Chatterjee
Title: Competitive analysis of online music retailers
Co-authors: Kyle Bellevue, Joey Cohen, Diego Garcia, Emily Goldberg, Kishan Patel

7. Feminism and Gender Issues in Education, Literature and Online – University Hall 2011
Moderator: Dr. Christopher McKinley

Presenter: Lauren Biondi
Advisor: Dr. Christopher McKinley
Title: Social support and identity construction in the online pro-anorexic community

Presenter: Lucia Doyle
Advisor: Dr. Venezia Michalsen
Title: Reading between the lines: Deconstructing the feminist collective and publishing politics

Presenter: Kathryn Strom
Advisor: Dr. Monica Taylor
Title: I am what I am not yet
Co-authors: Linda Abrams, Rabab Abi Hanna, Sara Mastellone, Melissa Collucci, Jacqueline Dauplaise, Nellista Bess, Charity Dacey

Presenter: Jill Schwarz Whittaker
Advisor: Dr. Dana Heller Levitt
Title: Utilizing a feminist empowerment model to create an impactful gender counseling course

Presenter: Nikki Wittenburg
Advisor: Dr. Monika Elbert
Title: Edna's evolutionary prerogative: Taking the woman out of the attic and into nature

8. Evaluation and Counselor Supervision – University Hall 2010
Moderator: Dr. Matthew Shurts

Presenter: Marissa Burgermaster
Advisor: Dr. Jennifer Urban
Title: Concept mapping research practice integration in the field of evaluation
Co-author: Thomas Archibald

Presenter: Daniel Cinotti
Advisor: Dr. Larry Burlew
Title: The impact of current practices in school counselor supervision

Presenter: Elizabeth Conte
Advisor: Dr. Matthew Shurts
Title: Clinical supervision and the Transtheoretical Model: Integrating the stages of change into counselor supervision models
Presenter: Stephanie Phelan  Advisor: Dr. Jennifer Urban
Title: The Netway: A tool for building evaluation capacity, organizing program logic and bridging the research practice gap
Co-authors: Darlene Kim, Marissa Burgermaster

9. History and Language – University Hall 2009
   Moderator: Dr. Elizabeth Emery

Presenter: Michael Elices  Advisor: Dr. Brian Smith
Title: Rome’s use of political terror, 146BC – 378 AD

Presenter: Travis Lancaster  Advisor: Dr. Elizabeth Emery
Title: Paradox and contradiction in Samuel Beckett

Presenter: Arian Murati  Advisor: Dr. Elizabeth Emery
Title: “The worst can easily happen”: A comparative analysis of Eugene Ionesco’s Rhinoceros and Albert Camus’ Myth of Sisyphus

Presenter: Caitlin Popp  Advisor: Dr. Anne Betty Weinshenker
Title: Women, mortality and the demise of man: The Messaline series by Henri de Toulouse Lautrec
**Poster Presentations**  
*Block A: 9:15 am – 10:15 am*  
(Alphabetical by Presenter)

### Undergraduate Student Award Nominees for Poster Presentations

<table>
<thead>
<tr>
<th>Title</th>
<th>Presenter</th>
<th>Advisor</th>
</tr>
</thead>
<tbody>
<tr>
<td>The physiological and therapeutic effects of superficial ice massage on bicipital tendinitis as compared to therapeutic ultrasound (A31)</td>
<td>Steve Dippel</td>
<td>Dr. Fredrick Gardin</td>
</tr>
<tr>
<td><strong>Arabidopsis thaliana</strong> pleiotropic drug resistance plays an important role in root development (A35)</td>
<td>Elizabeth Y. Flores</td>
<td>Dr. Marcela Rojas Pierce</td>
</tr>
<tr>
<td><strong>The effects of design as humans age (A7)</strong></td>
<td>Lindsay Hescock</td>
<td>Dr. Denis Feigler</td>
</tr>
<tr>
<td>What are you on!? College students’ substance utilization and spirituality levels (A5)</td>
<td>Afshan Ladha</td>
<td>Dr. Ofelia Rodriguez-Srednicki</td>
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</table>

### Graduate Student Award Nominees for Poster Presentations

<table>
<thead>
<tr>
<th>Title</th>
<th>Presenter</th>
<th>Advisor</th>
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<tbody>
<tr>
<td>Modular automotive chassis using emerging materials to address safety and environmental issues (A4)</td>
<td>Anthony Fragola</td>
<td>Dr. Denis Feigler</td>
</tr>
<tr>
<td>Montclair State students’ reflect on the impact of messages from school and home about sex on their first sexual experiences (A16)</td>
<td>Samantha Kwiatkowski</td>
<td>Dr. Eva Goldfarb</td>
</tr>
<tr>
<td>Does smoking and drinking inhibit your ability to think (A11)</td>
<td>Jacquelin Mueller</td>
<td>Dr. Kate Nooner</td>
</tr>
<tr>
<td>Magnetic and sedimentologic analysis of a Late Holocene sediment core, Barilari Bay, Antarctica (A36)</td>
<td>Brendan Reilly</td>
<td>Dr. Stefanie Brachfeld</td>
</tr>
<tr>
<td>Crystal studies of metal quasiracemate complexes (A50)</td>
<td>Rohe Ahmad</td>
<td>Dr. Mark Whitener</td>
</tr>
</tbody>
</table>
Title: The constitutional attack on DOMA (A37)  
Presenter: Garth Andrews  
Advisor: Dr. Ian Drake

Title: Population demographics of three turtle species of the New Jersey School of Conservation (A53)  
Presenter: Linda Araya  
Co-authors: Tara Snyder, Paola Dolceamasco, Kirsten Monsen-Collar, Lisa Hazard  
Advisor: Dr. Lisa Hazard

Title: The Fourth Amendment and it protection to individuals arrested for a minor offense (A42)  
Presenter: Kenny Barroso  
Advisor: Dr. Ian Drake

Title: The success of the New Jersey Clean Energy Program and New Jersey's potential for biomass electricity (A18)  
Presenter: Jessica Centinaro  
Advisor: Dr. Gregory Pope

Title: Characterization of a c-Jun N-terminal kinase pathway in the parasitic nematode Brugia malayi (A10)  
Presenter: Agnieszka Chojnowski  
Co-authors: Akruti Patel, Ronald Goldberg  
Advisor: Dr. John Siekierka

Title: Analysis of the geochemical signatures of Vincennes Bay coastline sediments (A51)  
Presenter: Thomas Clayton  
Co-author: Stefanie Brachfeld  
Advisor: Dr. Stefanie Brachfeld

Title: Electrical potential in small scale fluid dynamics (A33)  
Presenter: Michael Cohrs  
Advisor: Dr. Ashuwin Vaidya

Title: Mouse genome wide characterization of multiple ICER binding sites (A46)  
Presenter: Marni Crow  
Co-authors: Stephan Zichella, Luis Muniz  
Advisor: Dr. Carlos Molina

Title: Langmuir monolayers of superparamagnetic nanoparticles (A19)  
Presenter: Goran Dojcinoski  
Co-author: Joseph Fiordilino  
Advisor: Dr. Patrick Truitt

Title: Investigating changes in diamondback terrapin nesting behavior and population structure in Jamaica Bay, New York (A1)  
Presenter: Paola Dolceamasco  
Advisor: Dr. Kirsten Monsen-Collar

Title: Using GIS to measure historical changes in coastlines in southern New Jersey (A15)  
Presenter: Lahra Dooner  
Advisor: Dr. Joshua Galster

Title: Hedonic preference magnitude affected by context and categorization (A40)  
Presenter: Matthew Forsythe  
Co-authors: Elizabeth Cogan, Scott Parker  
Advisor: Dr. Debra Zellner
Title: Impact of immigration on the mental health status of Cuban Americans (A34)
Presenter: Veronica Franco
Co-author: Milton Fuentes
Advisor: Dr. Milton Fuentes

Title: Analysis of violent crime and New Jersey gun control (A54)
Presenter: Eric Gazdalski
Advisor: Dr. Ian Drake

Title: Ethnic identity development among young adults from immigrant families (A58)
Presenter: Alexandra Gramescu
Co-author: Nicole-Marie Helmstetter
Advisor: Dr. Olena Nesteruk

Title: Sex offender registries: An effective tool in reducing sex crimes? (A39)
Presenter: Ashley Hausmann
Advisor: Dr. Ian Drake

Title: The relationship between body position and attention/hemispheric activation (A8)
Presenter: Karly Hrank
Co-author: Ashley Regina
Advisor: Dr. Ruth Propper

Title: Effects of ultrasonic treatment of coliforms (A41)
Presenter: Gabriel Jimenez
Advisor: Dr. Meiyin Wu

Title: Algebra professional development (A9)
Presenter: Glenn Kliemisch
Advisor: Dr. Evan Fuller

Title: Concrete petrography for assessing quality in newly built ramps for New York piers (A24)
Presenter: Joseph Kowalski
Co-authors: Ali Gurhan, Stefanie Brachfeld
Advisor: Dr. Stefanie Brachfeld

Title: Can competition be used to induce an evolutionary arms race in a laboratory setting? (A25)
Presenter: Jonathan Lerner
Advisor: Dr. Jennifer Krumins

Title: Alcoholics Anonymous and the separation of church and state (A14)
Presenter: Alyra Liriano
Advisor: Avram B. Segall, Esq.

Title: Experimental validation of predicted ligand specificity determining residues in the dihydrofolate reductase family (A44)
Presenter: Michael Little
Co-author: Nina M. Goodey
Advisor: Dr. Nina M. Goodey

Title: Immigration and Nationality Act (A29)
Presenter: Joan Malone
Advisor: Dr. Ian Drake

Title: Criminal defendants constitutional rights during police interrogations (A49)
Presenter: Jessica Mc Menemy
Advisor: Dr. Ian Drake
Title: **Immunomodulation and zinc (II): Computer prediction and experimental confirmation (A47)**
Presenter: Vaughn McEnough Jr.
Co-author: Ralph Falen
Advisor: Dr. Vladislav Snitsarev

Title: **A geo-spatial analysis of agro-tourism possibilities in N.J. (A52)**
Presenter: Wendy Neill
Advisor: Amy Ferdinand

Title: **Impacts of heavy metals on wetland methane flux and primary production (A28)**
Presenter: Adam Piombino
Advisor: Dr. Meiying Wu

Title: **Path of counselor self-awareness (A56)**
Presenter: Alyson Pompeo
Advisor: Dr. Dana Heller Levitt

Title: **The effect of solvent polarity on the emission spectrum of 5, 10 methenyltetrahydrofolic acid (A3)**
Presenter: Ivana Prokopova
Advisor: Dr. Johannes Schelvis

Title: **Organic architecture (A45)**
Presenter: David Purdy
Advisor: Dr. Gregory Pope

Title: **A synchrotron study of heavy metal transportation in the root of *Typha latifolia* (A30)**
Presenter: Yu Qian
Co-author: Huan Feng
Advisor: Dr. Huan Feng

Title: **Solitary confinement: Cruel and unusual punishment of the mentally ill (A20)**
Presenter: Sharina Rodriguez
Advisor: Dr. Marilyn Taylor

Title: **MSU GOALS Survey: Serving the student athlete (A17)**
Presenter: Andrea Rydel
Advisor: Dr. Kim C. O’Halloran

Title: **Binding studies of the p38 MAP kinase inhibitor, BIRB 796, to the *Leishmania mexicana* protein kinase, Lmx MPK1(A21)**
Presenter: Aysenur Sayakci
Co-authors: Tamara Waffenschmidt Kreiss, Seema Patel
Advisors: Dr. Nina M. Goodey, Dr. John Siekierka

Title: **Assessing mercury concentrations in New Jersey’s diamondback terrapins (*Malaclemys Terrapin*) (A43)**
Presenter: Natalie Sherwood
Advisor: Dr. Meiying Wu

Title: **Marine ecotourism and coral reefs in Turks and Caicos Islands: A symbiotic or predatory relationship? (A26)**
Presenter: Christina Soman
Advisor: Dr. Neeraj Vedwan

Title: **Comprehension and production of goal and source prepositions in infants (A22)**
Presenter: Megan Sommer
Advisor: Dr. Laura Lakusta
Title: **Manipulation of graphene oxide through electroless gold plating technique and its analysis for potential applications (A13)**
Presenter: Keun Soo Kwon
Advisor: Dr. Shifeng Hou

Title: **Challenging the pre-clearance provision of the Voting Rights Act (A2)**
Presenter: Angela Soria
Advisor: Dr. Marilyn Tayler

Title: **The case for same sex marriage: The coming of age of the Due Process and Equal Protection Clauses of the Constitution (A57)**
Presenter: Katherine Sosa
Advisor: Avram B. Segall, Esq.

Title: **The mission in admissions (A48)**
Presenter: Elisa Toturgul
Co-authors: Charity Dacey, Tina Jacobowitz, Patricia Watson
Advisor: Dr. Tina Jacobowitz

Title: **Tracing the origin of fine grained sediment using radionuclides (A32)**
Presenter: Anita Trajkovska
Co-authors: Joshua Galster, Huan Feng
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Title: **Oil shale in the Green River Formation and new methods to mitigate the environmental costs of its extraction (A38)**
Presenter: Aslan Varoqua
Co-author: Stefanie Brachfeld
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Presenter: Manuel Roldan Vega
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Title: **Relationship between motor movements and memory (A55)**
Presenter: Michael Weiss
Co-authors: Sean McGraw, Karly Hrank, Eric Phenix, Ashley Regina
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Title: **Interaction of photolyase with damaged DNA (A12)**
Presenter: Kyle Williams
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Title: **Human population and its environmental impact (A27)**
Presenter: Salvatore Zerbo III
Co-authors: Anita Trajkovska, Ben Witherell, Dainlin Yu, Deng Yang, Huan Feng
Advisor: Dr. Huan Feng

Title: **Temperature dependence of the catalytic scheme of IGPS from S. solfataricus (A23)**
Presenter: Alexandra Zumba
Co-authors: Pamela Delaney, Nina M. Goodey
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Presenter: Robert Barrows
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Title: Investigating a potential link between droughts and West Nile Virus activity (B7)
Presenter: Christine Barton
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Title: The expression and purification of Nck. (B37)
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Title: Whole current changes in response to change in extracellular pH and application of Iberiotoxin in cultured rat glia (B53)
Presenter: Paul Castellano
Co-author: Michael Young
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Title: Wake structure of oscillating cylinders (B58)
Presenter: Michael Cohrs
Co-author: Wayne Ernst
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Title: Hydraulic conductance limitations in herbaceous plants (B40)
Presenter: Lisa Davies
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Title: Perceptions of writing center consultants towards online writing consultation (B29)
Presenter: Janet Dengel
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Title: Availability and accessibility of organic foods: An environment analysis of Bloomfield Avenue, Montclair, N.J. (B30)
Presenter: Dawn Diamond
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Title: Herpes simplex virus-1 viral induced apoptosis in Vero cells treated with theaflavins (B42)
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Varde, Aparna S.
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Varghese, Alan
Presenter · 19
Varoqua, Aslan
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Vedwan, Neeraj
Advisor · 13
Vega, Manuel Roldan
Presenter · 14
Vega, Quinn
Advisor · 15, 16
Villagomez, Jose
Advisor · 18
Villegas, Ana Maria
Advisor · 7
Vintimilla, Maria
Presenter · 6
Vitiello, Michael
Co-author · 4

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Watanabe, Aika
Presenter · 19
Watson, Patricia
Co-author · 14
Webel, Corey
Advisor · 5
Moderator · 5
Weinshenker, Anne Betty
Advisor · 9
Weinsein, Mark
Advisor · 3
Weiss, Michael
Presenter · 14
West, Mary Lou
Advisor · 15, 16
Wettenelg, Robert
Presenter · 7
Whitener, Mark
Advisor · 10
Whittaker, Jill Schwarz
Presenter · 8
Williams, Kyle
Presenter · 14
Winters, Catherine
Presenter · 3
Witherell, Ben
Co-author · 14, 19
Wittenburg, Nikki
Presenter · 8
Wolff, Kenneth
Advisor · 4
Wong, Ling Tiffany
Co-author · 18
Wu, Meiyin
Advisor · 12, 13, 16, 17, 18

Y

Yang, Deng

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Dr. Avinandan Mukherjee, School of Business
Dr. Elena Petroff, College of Science and Mathematics
Dr. Ronald Sharps, College of the Arts

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Dr. Christopher McKinley, College of the Arts
Dr. Avinandan Mukherjee, School of Business
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Dr. Ronald Sharps, College of the Arts

Co-author · 14
Yeo, Philip
Advisor · 18
Yoo, Kye Cheul
Co-author · 10
Young, Michael
Co-author · 15
Yu, Danlin
Co-author · 14, 19
Yu, Susana
Advisor · 8

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Zaal, Mayida
Advisor · 6
Zellner, Debra
Advisor · 11, 16
Zerbo III, Salvatore
Presenter · 14
Zerbo, Sal
Co-author · 19
Zichella, Stephan
Co-author · 11
Zumba, Alexandra
Presenter · 14