Sixth Annual Student Research Symposium
Promoting Collaboration Across Disciplines

Sunday, April 22, 2012
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
To the faculty and student participants of the University-wide Montclair State Student Research Symposium:

This event, with participants from all across the University, represents the energy, creativity and hard work of which our students are capable under the mentorship of the faculty. Research is hard when done well and done thoroughly but its rewards can be immense, both as personal satisfaction for the job done and for the new knowledge acquired. Mastering the methods, technique, 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 chemist, a sociologist, a counselor, an accountant or economist, a filmmaker, a journalist, a lawyer, an art critic, 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 multidisciplinary approach, either by mastering several different disciplines yourself, or by combining your own skills and efforts with colleagues trained in other disciplines. You may find that the problem cracks open more quickly and more easily when together you bring the collective weight of your individual skills to bear against it. Or together you can identify and address a question larger and more complex than any of 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 causes the fall of nations? What are stars? What is poetry good for?) or to previously undetected functions of nature (What is the protein expression sequence that triggers the formation of an eye in a mammalian fetus? How many terabytes can be packed into a cell phone and then what will you do with it? What weather patterns will change as the earth warms?).

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. You will find students from English, Education, Classics, and Political Science presenting on Authority and Resistance; students from Education, English, and Psychology presenting on Understanding the Process of Learning; and students from Environmental Studies, Business, and Political Science presenting on Business and the Environment. These are just three examples of the interdisciplinary collaboration you will see throughout the day.

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

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 pm – 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 Kruge

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 Kruge
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
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

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

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
8. Shakespeare and Social Justice – University Hall 2046
Moderator: Dr. Naomi Liebler

Presenter: Melissa Antolovich
Advisor: Dr. Naomi Liebler
Title: The unalterable identity: Shakespeare and onomastics

Presenter: John McNeill
Advisor: Dr. Naomi Liebler
Title: Shakespeare to shock doctrine

Presenter: Katherine Oakes
Advisor: Dr. Naomi Liebler
Title: Romanitas as a cultural identity in Titus Andronicus

Presenter: Katherine Lynn Riabov
Advisor: Dr. Naomi Liebler
Title: Community as the tragic hero in Shakespearean tragedies

**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 H_2O and D_2O

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
Title: Fluorescent sensors for cations
Co-author: Agnieszka Pawlik

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 gilded 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
Presenter: Bethanne Sonne          Advisor: Dr. Brian Smith
Title:  What challenges modern tyranny?

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
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
Undergraduate Student Award Nominees for Poster Presentations

Title: The physiological and therapeutic effects of superficial ice massage on bicipital tendinitis as compared to therapeutic ultrasound (A31)
Presenter: Steve Dippel
Advisor: Dr. Fredrick Gardin

Title: Arabidopsis thaliana pleiotropic drug resistance plays an important role in root development (A35)
Presenter: Elizabeth Y. Flores
Co-author: Sang Won Han
Advisor: Dr. Marcela Rojas Pierce

Title: The effects of design as humans age (A7)
Presenter: Lindsay Hescock
Advisor: Dr. Denis Feigler

Title: What are you on!? College students’ substance utilization and spirituality levels (A5)
Presenter: Afshan Ladha
Co-authors: Anna Montenegro, Allen Teplitsky, Ofelia Rodriguez-Srednicki
Advisor: Dr. Ofelia Rodriguez-Srednicki

Graduate Student Award Nominees for Poster Presentations

Title: Modular automotive chassis using emerging materials to address safety and environmental issues (A4)
Presenter: Anthony Fragola
Advisor: Dr. Denis Feigler

Title: Montclair State students’ reflect on the impact of messages from school and home about sex on their first sexual experiences (A16)
Presenter: Samantha Kwiatkowski
Co-authors: Eva Goldfarb, Lisa Lieberman
Advisor: Dr. Eva Goldfarb

Title: Does smoking and drinking inhibit your ability to think (A11)
Presenter: Jacquelin Mueller
Advisor: Dr. Kate Nooner

Title: Magnetic and sedimentologic analysis of a Late Holocene sediment core, Barilari Bay, Antarctica (A36)
Presenter: Brendan Reilly
Co-authors: Stefanie Brachfeld, Natalie Elking, Kyu Cheul Yoo, Eugene Domack, Amy Leventer, Caroline Lavoie, Scott Ishman
Advisor: Dr. Stefanie Brachfeld

Title: Crystal studies of metal quasiracemate complexes (A50)
Presenter: Rohe Ahmad
Co-author: Khusboo Hussain
Advisor: Dr. Mark Whitener
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 Dolcemascolo, Kirsten Monsen-Collar, Lisa Hazard
Advisor: Dr. Lisa Hazard

Title: The Fourth Amendment and its 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 Dolcemascolo
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
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<td>Veronica Franco</td>
<td>Milton Fuentes</td>
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<td>Analysis of violent crime and New Jersey gun control</td>
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<td>Ethnic identity development among young adults from immigrant families</td>
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<td>Effects of ultrasonic treatment of coliforms</td>
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<td>Concrete petrography for assessing quality in newly built ramps for New York piers</td>
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<td>Can competition be used to induce an evolutionary arms race in a laboratory setting?</td>
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<td>Avram B. Segall, Esq.</td>
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<td>Experimental validation of predicted ligand specificity determining residues in the dihydrofolate reductase family</td>
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<td>Nina M. Goodey</td>
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<td>Immigration and Nationality Act</td>
<td>Joan Malone</td>
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<td>Criminal defendants constitutional rights during police interrogations</td>
<td>Jessica Mc Menemy</td>
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<td>Immunomodulation and zinc (II): Computer prediction and experimental confirmation (A47)</td>
<td>Vaughn McEnough Jr.</td>
<td>Dr. Vladislav Snitsarev</td>
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<td>A geo-spatial analysis of agro-tourism possibilities in N.J. (A52)</td>
<td>Wendy Neill</td>
<td>Amy Ferdinand</td>
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<td>Impacts of heavy metals on wetland methane flux and primary production (A28)</td>
<td>Adam Piombino</td>
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<td>Alyson Pompeo</td>
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<td>Ivana Prokopova</td>
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<td>Organic architecture (A45)</td>
<td>David Purdy</td>
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<td>A synchrotron study of heavy metal transportation in the root of <em>Typha latifolia</em> (A30)</td>
<td>Yu Qian</td>
<td>Huan Feng</td>
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<td>Solitary confinement: Cruel and unusual punishment of the mentally ill (A20)</td>
<td>Sharina Rodriguez</td>
<td>Dr. Huan Feng</td>
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<td>MSU GOALS Survey: Serving the student athlete (A17)</td>
<td>Andrea Rydel</td>
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<td>Binding studies of the p38 MAP kinase inhibitor, BIRB 796, to the <em>Leishmania mexicana</em> protein kinase, Lmx MPK1(A21)</td>
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<td>Marine ecotourism and coral reefs in Turks and Caicos Islands: A symbiotic or predatory relationship? (A26)</td>
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<td>Comprehension and production of goal and source prepositions in infants (A22)</td>
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Advisor: Dr. Shifeng Hou

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

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
Advisor: Dr. Stefanie Brachfeld

Title: **Investigating contextual query reformulation with SWUM based software search** (A6)
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
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Title: **Temperature dependence of the catalytic scheme of IGPS from S. solfataricus** (A23)
Presenter: Alexandra Zumba
Co-authors: Pamela Delaney, Nina M. Goodey
Advisor: Dr. Nina M. Goodey
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Title: Assessment of bloom forming cyanobacteria and algae in selected New Jersey lakes (B49)
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Co-author: Jennifer Pardo
Advisor: Dr. Jennifer Pardo

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Co-author: Yang Deng
Advisor: Dr. Yang Deng

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Presenter: Hila Lutz
Co-authors: Donna Batraki, Jennifer Fandino, Lauren Muniz
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Co-author: Neysi Gonell
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Title: Socioeconomic status and environmental hazards: A comprehensive review of the Lower Passaic River (B52)
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Advisor: Dr. Gregory Pope

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Advisor: Dr. Meiyin Wu

Title: Eating disorders: Understanding the process of counseling adolescent females (B55)
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Co-author: Justine Galasso
Advisor: Dr. Harriet Glosoff

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Advisor: Dr. Kate Noonер
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Presenter: Ciapha Morris
Co-authors: Yang Deng, Didyendu Sarkar, Sudipta Rakshit
Advisor: Dr. Yang Deng

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Presenter: Garrett Nieddu
Co-author: A. David Trubatch
Advisor: Dr. A. David Trubatch

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Co-author: Amy Ronquillo
Advisor: Dr. Harriet Glosoff

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Advisor: Dr. Philip Yecko

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Presenter: Francis X. Reilly
Co-authors: Haiyan Su, Vladislav Snitsarev
Advisor: Dr. Haiyan Su

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Advisor: Dr. Robert Prezant

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Co-authors: Milton Fuentes, Fernando Campusano, Afshan Ladha, Melissa Le, Anna Montenegro, Michelle Truffin
Advisor: Dr. Milton Fuentes

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Advisor: Dr. Kim C. O’Halloran

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Co-authors: Dana Richardson, Jaclyn Cirello
Advisor: Dr. Harriet Glosoff

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Co-author: Tierney Farry
Advisor: Dr. Harriet Glosoff

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Advisor: Dr. Tara McAllister Byun

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Presenter: Anita Trajkovska
Co-authors: Sal Zerbo, Danlin Yu, Ben Witherell, Yang Deng, George Martin, Huan Feng
Advisor: Dr. Huan Feng

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Advisor: Dr. Gregory Pope

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Advisor: Dr. Vladislav Snitsarev

Title: An analysis of worsening flooding within the Pompton River watershed (B21)
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Advisor: Dr. Joshua Galster

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Co-authors: Jing Peng, Eileen Fitzpatrick
Advisor: Dr. Aparna S. Varde

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Presenter: Aika Watanabe
Co-author: Yoav Arieh
Advisor: Dr. Yoav Arieh
## Alphabetical List of Presenters, Co-authors, Advisors and Moderators

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Dr. Sullivan earned a BA in Zoology from the University of Maine at Orono and graduate degrees from the University of Maryland, College Park. After a postdoctoral fellowship in developmental biology at the University of Virginia, Dr. Sullivan joined the Department of Biology at Grinnell College in Iowa. During his 25-year career, he taught courses in introductory biology, cell biology, and developmental biology and supervised nearly 100 independent projects ranging from guided readings to lab-based research on lens formation in chicken embryos. He has studied at the Bermuda Biological Station and the Marine Biological Laboratory in Woods Hole, MA and taken sabbatical leaves at Montana State University and George Washington University Medical Center. Dr. Sullivan is currently serving as a Program Director at the National Science Foundation helping to manage several programs designed to improve undergraduate biology education.
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College of Education and Human Services

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Associate Professor
College of Education and Human Services

Dr. Ashuwin Vaidya
Assistant Professor
College of Science and Mathematics

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College of Science and Mathematics

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Program Assistant
College of Education and Human Services

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ADP Center for Teacher Preparation and Learning Technologies

Mr. Joe Russo, Coordinator
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