

Seventh Annual

Student Research Symposium



Promoting Collaboration Across Disciplines

Saturday, April 20, 2013 | 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

Message from the Provost:



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, 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 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 is a just society? What does war cost? How should we educate our children?) or to previously undetected functions of nature (What neurological conditions in the brain generate consciousness and how many kinds of human consciousness are there? How does instinct teach a bird to build a nest? 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. You will find students from Family and Child Studies, French, Jurisprudence and Environmental Management presenting on Gender Issues in Society; students from Counseling, Psychology and Linguistics presenting on Language; and students from Classics, Humanities and Political Science and Law presenting on War and Myth. 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.

A handwritten signature in black ink that reads "Willard Gingerich". The signature is written in a cursive, flowing style.

Dr. Willard Gingerich
Provost and Vice President For Academic Affairs

Faculty Panelists:

Moderator:

Dr. Christopher McKinley

Assistant Professor, School of Communication and Media,
College of the Arts

Dr. Yasemin Besen-Cassino

Associate Professor, Sociology, College of Humanities
and Social Sciences

Dr. Besen-Cassino received her PhD from the State University of New York in Stony Brook in 2005. Her work, dealing with the working habits of teens and how the gender wage gap affects them, has been published in prestigious sociology journals such as *Contexts*, *Journal of Contemporary Ethnography*, *Theory & Society*, *NWSAJ* and *Education & Society*. She is currently working on two projects, a book (currently under contract at Temple University Press) on teenage labor in America and other industrialized countries, and writing a textbook on research methods under contract with Pearson. She was the recipient of the Dean's Award in Teaching at Montclair State University in 2008, the Dean's Award in Teaching at SUNY Stony Brook in 2004, and the Distinguished Scholar of the Year at Montclair State University in 2012.

Dr. Avinandan Mukherjee

Professor, Marketing, School of Business

Dr. Mukherjee is the Chairperson of the Marketing Department in the School of Business and a member of the doctoral faculty in the interdisciplinary PhD program in Environmental Management. His teaching, research and service are oriented to promoting collaboration across disciplines. With an undergraduate degree in Electrical Engineering and a PhD in Business, Dr. Mukherjee has taken a deep interest in research on information technology applications in business and marketing. He has several publications on e-business and e-healthcare applications. His research on consumer trust in electronic commerce is one of the most cited papers in the area.

Dr. Sandra Passchier

Associate Professor, Earth and Environmental Studies,
College of Science and Mathematics

Dr. Passchier's primary research interests are in the stability of polar ice sheets and their role in global climate change as it can be extracted from sediment cores on high latitude continental margins. She was an invited scientist in five international drilling programs in Antarctica, is the lead author on peer-reviewed articles in journals such as *GSA Bulletin*, *G-cubed*, *Paleoceanography*, *Sedimentology*, and the *Journal of Geophysical Research*, and co-authored publications in *Nature*, *Science*, and *Nature Geoscience*. Dr. Passchier has received over \$800k in external funding from the NSF and the Joint Oceanographic Institutions. She is a member of the international steering committee for Antarctic Climate Evolution, one of the five flagship research programs of the Scientific Committee of Antarctic Research. She holds a PhD in Geological Sciences from The Ohio State University and an MS in Physical Geography from the University of Amsterdam.

Dr. Stephanie Silvera

Associate Professor, Health and Nutrition Sciences,
College of Education and Human Services

Dr. Silvera specializes in cancer epidemiology focusing on racial and ethnic disparities in cancer outcomes as well as dietary risk factors. Focusing on the behavioral impacts of diet, health care and physical activity, she aims to encourage community members of all races to become advocates for their own health and to feel comfortable and confident connecting with the medical community. In addition, Dr. Silvera concentrates on social

epidemiology and what effects individuals can have on their communities and vice versa. The National Institutes of Health (NIH) recently awarded Dr. Silvera with the National Cancer Institute's Mentored Research Scientist Development Award. She received a doctorate from Yale University and a master's degree from Rutgers University.

Acknowledgements

Proposal Review:

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College of Humanities and Social Sciences
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College of Science and Mathematics
Dr. Erik Jacobson
College of Education and Human Services
Dr. Meena Mahadevan
College of Education and Human Services
Dr. Jamaal Matthews
College of Education and Human Services
Dr. John McGinnis
School of Business
Dr. Christopher McKinley
College of the Arts
Dr. Avinandan Mukherjee
School of Business
Dr. Greg Pope
College of Science and Mathematics
Dr. Ronald Sharps
College of the Arts
Dr. Haiyan Su
College of Science and Mathematics
Dr. Dirk Vanderklein
College of Science and Mathematics

Awards:

Dr. Luis Montesinos (Chair)
College of Humanities and Social Sciences
Dr. Eric Forgoston
College of Science and Mathematics
Dr. Laura Lakusta
College of Humanities and Social Sciences
Dr. Yam Limbu
School of Business
Dr. Meena Mahadevan
College of Education and Human Services
Dr. John McGinnis
School of Business
Dr. Christopher McKinley
College of the Arts
Dr. Avinandan Mukherjee
School of Business
Dr. Lynn Schneemeyer
College of Science and Mathematics
Dr. Ronald Sharps
College of the Arts
Dr. Angela Sheely-Moore
College of Education and Human Services
Dr. Claire Taub
The Graduate School

Schedule

- 8:30 am – 9:00 am **Registration and Continental Breakfast**
University Hall Grand Hallway, 1st Floor
- 9:00 am – 9:10 am **Opening Remarks – Dr. Willard Gingerich**
Provost and Vice President for Academic Affairs
University Hall Room 1070
- 9:10 am – 9:40 am **Interdisciplinary Panel Presentation**
Montclair State University Faculty Members
University Hall Room 1070
- 9:45 am – 10:45 am **Poster Session Block A**
University Hall Conference Center, 7th Floor
- 10:50 am – 12:15 pm **Oral and Multimedia Presentations Block A**
Room assignments listed in program
- 12:15 pm – 12:45 pm **Lunch**
Student Center Ballroom
- 1:00 pm – 2:25 pm **Oral and Multimedia Presentations Block B**
Room assignments listed in program
- 2:35 pm – 4:00 pm **Oral and Multimedia Presentations Block C**
Room assignments listed in program
- 4:00 pm – 5:00 pm **Poster Session Block B**
University Hall Conference Center, 7th Floor
- 5:00 pm **Award Presentations and Closing Remarks**
General Symposium Awards and Closing Remarks
Outstanding Interdisciplinary Presentations and Posters
University Hall 1070
- College of Science and Mathematics - Sigma Xi Awards
University Hall Room 1070

Oral and Multimedia Presentations

Block A: 10:50 am – 12:15 pm

1. Graduate Award Nominees – University Hall 3054

Moderator: Dr. Laura Lakusta

Presenter: NA Advisor: Dr. Richard Lord
Title: **CFA Institute Research Challenge - Investment analysis of Microsoft**
Co-authors: Max Felderhoff, Vilma de los Angeles Solano Jarquin, Richard Jimenez, Mariusz Brzyzek

Presenter: Kristi Delfino Advisor: Dr. Lois Oppenheim
Title: **The effect of colonial language policies on women in South America and North Africa**

Presenter: Stephanie Phelan Advisor: Dr. Jennifer Brown Urban
Title: **An exploratory analysis of 4-H program logic models**

Presenter: Tanya Sulikowski Advisor: Dr. Meiyin Wu
Title: **Are landscape characteristics within riparian corridors or watershed basins better predictors of macroinvertebrate assemblages in three northern New Jersey watersheds?**

Presenter: Shunda Wallace Advisor: Dr. Christopher McKinley
Title: **Schizophrenia and depression: A non-pharmacological approach to treating crippling psychosis and debilitating rumination (An interdisciplinary study)**

2. Undergraduate Award Nominees – University Hall 3052

Moderator: Dr. Christopher McKinley

Presenter: Samantha Iovino Advisor: Dr. Douglas Murray
Title: **World readiness**
Co-authors: Douglas Murray, Charles Feldman

Presenter: Nadia Shaikh Advisor: Dr. Deborah Ragin
Title: **How healthy is your community? The role of access and economics on perceptions of health**
Co-authors: Margeurite Bonadies, Talia Philippsborn, Diana Cabezas, Drew Heimlich, Joseph Nwokocha, Ksenia Lebedeva, Anderson Mata

Presenter: Kelly Vaghenas Advisors: Dr. Naomi Liebler, Dr. Linda Roberts
Title: **The music of the spheres: A constellation of Renaissance ideas in art and science**

3. An Indisciplinary Examination of Immigration, Adoption, Disaster and Child Abuse

University Hall 3050

Moderator: Dr. Melinda Knight

Presenter: Gloria Lugo Advisor: Dr. Melinda Knight
Title: **Discourses on immigration: Explicit dangers and implicit solutions in 1890s American literature**

Presenter: Jonathan Mazza Advisor: Dr. Amanda Baden
Title: **The stigma of adoption and relinquishment: A model of adoption microaggressions**
Co-authors: Elliott Harrington, Andrew Kitchen

Presenter: Sofia Saieh Advisor: Dr. Michele Cascardi
Title: **Through a child's eyes: A look at the aftermath of Haiti's 2010 earthquake**

Presenter: Marvi Toqeer Advisor: Dr. Ian Drake
Title: **Federal Rule of Evidence 702**

4. Issues in Jurisprudence: Criminal Informant System, Drug Dogs, Solitary Confinement, Physician Assisted Suicide and Tort Reform – University Hall 3048

Moderator: Dr. Ian Drake

Presenter: Christina Deleasa Advisor: Dr. Ian Drake
Title: **Death with dignity**

Presenter: Douglas Pannone Advisor: Dr. Ian Drake
Title: **Solitary confinement: A violation of the United States Constitution**

Presenter: Christina Rodriguez Advisor: Dr. Ian Drake
Title: **Tort reform: Who is to benefit?**

Presenter: Allana Skarzynski Advisor: Dr. Ian Drake
Title: **An ethical and legal look at the criminal informant system**

Presenter: Svjetlana Tesic Advisor: Dr. Ian Drake
Title: **Drug dogs and the Fourth Amendment: Where is the line drawn?**

5. Ecology Issues in NJ Water Systems – University Hall 3046

Moderator: Dr. Lee Lee

Presenter: Christie Castellano Advisor: Dr. Paul Bologna
Title: **An assessment of gelatinous zooplankton and impacts on planktonic community structure in Barnegat Bay, New Jersey**

Co-author: Paul Bologna

Presenter: Alexandra Peri Advisor: Dr. Lee Lee
Title: **Identification and quantification of Escherichia coli and coliforms in Northern New Jersey bodies of water**

Presenter: Dena Restaino Advisor: Dr. John Gaynor
Title: **QPCR based assay for the temporal and spatial distribution of early life history stages of Chrysaora quinquecirrha in Barnegat Bay**

Co-authors: George Shchegolev, Victoria Lussier, Paul Bologna, John Gaynor

6. Exercise, Health and Nutrition Research – University Hall 3012

Moderator: Dr. Steven Leigh

Presenter: Christopher Bellon Advisor: Dr. Steven Leigh
Title: **A comparison of lower back muscle activity & load between a unilateral and a bilateral squat exercise**

Presenter: Mary Khanjian Advisor: Dr. Steven Leigh
Title: **Designing an active dynamic warm-up to decrease the likelihood of injury in recreational youth athletes**

Co-author: Christopher Bellon

Presenter: J. R. Gambino Advisor: Dr. Antoinette Pole
Title: **The sociopolitical application of the Slow Food movement**

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

Co-authors: Douglas Murray, Charles Feldman, Lee Lee

7. Advances in Chemistry I - University Hall 3008

Moderator: Dr. Johannes Schelvis

Presenter: Kyle Mack Advisor: Dr. Johannes Schelvis
Title: **Investigation of the structure and properties of UV-irradiated DNA photoproducts**

Presenter: Ivana Prokopova Advisor: Dr. Johannes Schelvis
Title: **Spectroscopic analysis of 5, 10-methenyltetrahydrofolic acid in protein environment and in solvents of various polarities**

Presenter: Kyle Williams Advisor: Dr. Johannes Schelvis
Title: **Spectroscopic investigation of the interaction of FADH* in DNA photolyase with UV-damaged DNA**

8. Clinical Supervision and Leadership Studies - University Hall 3006

Moderator: Dr. Harriet Glossoff

Presenter: Cynthia Bankowski Advisor: Dr. Katrina Bulkley
Title: **Building strong leaders: The role of non-traditional leadership preparation programs in developing inclusive and instructional leaders**
Co-authors: Katrina Bulkley, Suzanne McCotter

Presenter: Daniel Cinotti Advisor: Dr. Larry Burlew
Title: **The relationship between aspects of supervision and school counselor self-efficacy**

Presenter: Elizabeth Conte Advisor: Dr. Harriet Glossoff
Title: **Addiction counselor self-efficacy in clinical supervision**

9. Gender Issues in Society - University Hall 3004

Moderator: Dr. Elizabeth Emery

Presenter: Mame Kani Diop Advisor: Dr. Pearl Stewart
Title: **Exploring the issue of female genital mutilation in the global debate**

Presenter: Isabella Dougan Advisor: Dr. Elizabeth Emery
Title: **Women's rights and the department stores of Paris 1870-1914**

Presenter: Inha Kang Advisor: Dr. Ian Drake
Title: **Rape shield laws: Combating the sexist nature of the American legal system**

Presenter: Marisa Morrison Advisor: Dr. Naomi Liebler
Title: **Shakespeare's educated women**

Oral and Multimedia Presentations

Block B: 1:00 pm – 2:25 pm

1. Current Issues in Teaching and Teaching Preparation - University Hall 3054

Moderator: Dr. Mika Munakata

Presenter: Brenna Bohny Advisor: Dr. Helenrose Fives
Title: **Teachers' concerns about technology integration: A review of the literature**

Presenter: Charity Dacey Advisor: Dr. Helenrose Fives
Title: **Compensation and benefits for cooperating teachers: A multi-national investigation**
Co-authors: Helenrose Fives, Tammy Mills

Presenter: Eliza Leszczynski Advisor: Dr. Mika Munakata
Title: **The nature of mathematics and science connections of middle school teachers in the GK-12 Program**

Presenter: Tammy Mills Advisor: Dr. Helenrose Fives
Title: **A comparison of cooperating teacher benefits from colleges and schools of education in 1953 and 2012**
Co-author: Charity Dacey

Presenter: Kathryn Strom Advisor: Dr. Monica Taylor
Title: **Becoming teachers: The negotiation of practice of graduates of an urban hybrid teacher preparation program**

2. Interdisciplinary Approaches to Helping and Healing: Counseling, Child Advocacy and Music - University Hall 3052
Moderator: Cathy Brown, Esq.

Presenter: Beck Bagnato Advisor: Cathy Brown, Esq.
Title: **Self-injury: An invisible epidemic**

Presenter: Nadia Kwaja Advisor: Dr. Jennifer Brown Urban
Title: **Youth with severe emotional disturbance disorders: A step towards successful transition into adulthood**

Presenter: Meghan Reppert Advisor: Dr. Harriet Glossoff
Title: **Providing effective career counseling to female veterans**
Co-authors: Julia Mazzarella, Marcela Kopicova

Presenter: Pamela Schuller Advisor: Cathy Brown, Esq.
Title: **What makes you tic?**

Presenter: Scott Ziegler Advisor: Dr. Marissa Silverman
Title: **Music in the place of disaster**

3. Music, Art and Society: Exploring Historical, Cultural and Emotional Perspectives University Hall 3050
Moderator: Dr. Marissa Silverman

Presenter: Scott Eggert Advisor: Dr. Dean Drummond
Title: **Musica universalis: From the Lambdoma of Pythagoras to the tonality diamond of Harry Partch**

Presenter: Andre Fludd Advisor: Dr. Marissa Silverman
Title: **Classical Indian music tradition in the 21st century global world**

Presenter: Rachel Friedberger Advisor: Dr. Marissa Silverman
Title: **More than aural cheesecake: A neurobiology of musical affect**

Presenter: Rebecca Olderman Advisor: Dr. Elizabeth Valdez del Alamo
Title: **Late nineteenth-century national attitudes as reflected in Oreintalist painting**

4. War and Myth in Music, Math and Science - University Hall 3048
Moderator: Dr. Glen Gill

Presenter: Carlos Arco Advisor: Dr. Glen Gill
Title: **The imaginative logic of myth and science**

Presenter: Michael Elices Advisor: Dr. Brian Smith
Title: **Enraptured by war, 1914-18**

Presenter: Veronica Furman Advisor: Dr. Glen Gill
Title: **Fractal geometry and mythological structure**

Presenter: Jake Roggenkamp Advisor: Dr. Glen Gill
Title: **Mythic imagery in modern music**

5. Ecology and Environment - University Hall 3046 Moderator: Dr. Pankaj Lal

Presenter: Jessica Evans Advisor: Dr. Jennifer Krumins
Title: **The relationship between metal contamination, ectomycorrhizal diversity and plant biomass in an urban brownfield**

Presenter: Pricila Iranah Advisor: Dr. Pankaj Lal
Title: **A case study of Mauritius**
Co-author: Pankaj Lal

Presenter: Yu Qian Advisor: Dr. Huan Feng
Title: **A biogeochemical study of plant vanadium uptake and translocation on an urban brownfield site**
Co-authors: Frank Gallagher, Huan Feng, Meiyin Wu, Qingzhi Zhu

Presenter: Bernabas Wolde Advisor: Dr. Pankaj Lal
Title: **Multidimensional assessment of woody biofuels in sustainability determination**

6. Marketing and Digital Channels - University Hall 3012 Moderator: Dr. Yam B. Limbu

Presenter: Kerianne Clarke Advisor: Dr. Yam B. Limbu
Title: **Apps for success**
Co-author: Blake Vernam

Presenter: Urmila Kishore Advisor: Dr. Avinandan Mukherjee
Title: **Comparing consumer behavior patterns using clickstream analysis**

Presenter: Andrew LaBarbera Advisor: Dr. Avinandan Mukherjee
Title: **The influence of demographics and sessions on the online buying experience**
Co-author: Douglas Bergquist

Presenter: Rosita Nunez Advisor: Dr. Avinandan Mukherjee
Title: **Sustainability reporting and brand recognition: Case study of large food brands**

Presenter: Blake VandeRydt Advisor: Dr. Yam B. Limbu
Title: **A generational approach to multichannel marketing**

7. Graph Theory and Combinations - University Hall 3008 Moderator: Dr. Jonathan Cutler

Presenter: Alyssa Byrne Advisor: Dr. Jennifer Brown Urban
Title: **Results of a mixed-methods analysis of evaluation capacity building through evaluation partnerships with STEM programs**

Co-authors: Marissa Burgermaster, Kelly Panchoo, Michael Puccio, Samantha Spencer

Presenter: Melissa Fuentes Advisor: Dr. Jonathan Cutler
Title: **Proper connection of bipartite circulant graphs**

Presenter: Miriam Parnes Advisor: Dr. Jonathan Cutler
Title: **Variations of the combinatorial game Tron**

Presenter: Francesca Pizzigoni Advisor: Dr. Aihua Li
Title: **Superincreasing sequences and applications in cryptography**

Oral and Multimedia Presentations

Block C: 2:35 pm – 4:00 pm

1. Children's Educational Experiences: Current Interdisciplinary Research **University Hall 3054** **Moderator: Dr. Greg Pope**

Presenter: Christopher Desch Advisor: Dr. Jerry Alan Fails
Title: **LeapMotion for kids**

Presenter: Deborah Lewis Advisor: Dr. Greg Pope
Title: **A geospatial analysis of schools and alcohol and cigarette availability in Clifton, New Jersey**

Presenter: Christopher Parker Advisor: Dr. Mark Weinstein
Title: **Learning the meaning of the sacraments through writing poetry**

Presenter: Douglas Platt Advisor: Dr. Evan Fuller
Title: **Measuring students understand algebraic patterns**

Presenter: Joseph Todd Advisor: Dr. Tyson Lewis
Title: **Deschooling: The conceptual occupation of educational institutions**

2. An Examination of Homosexuality and Gender Issues in Literature - University Hall 3052 **Moderator: Dr. Raul Galoppe**

Presenter: Janine Butler Advisor: Dr. Melinda Knight
Title: **'No preaching, I say!': A rhetorical analysis of E.D.E.N. Southworth's temperance motives and motifs**

Presenter: Jean Claude Cenatus Advisor: Dr. Elizabeth Emery
Title: **The fat, the lean, the courtesan and the prostitute: Emile Zola's Le Ventre de Paris and the sex trade in Belle Epoque Paris**

Presenter: Jennifer Daly Advisor: Dr. Monika Elbert
Title: **The father of transcendentalism and the mother of American feminism: The influencing friendship of Margaret Fuller and Ralph Waldo Emerson**

Presenter: Joseph Gonzalez Advisor: Dr. Raul Galoppe
Title: **A reflection on the screen: The evolution of the gaze towards homosexuality in Argentine and American mainstream cinema**

Presenter: Claudia Perez Advisor: Dr. Raul Galoppe
Title: **Portrayal of female homosexuality in four Argentine films**

3. Biochemistry and Biophysics - University Hall 3050 **Moderator: Dr. Nina Goodey**

Presenter: Ralph Falen Advisor: Dr. Vladislav Snitsarev
Title: **Sirolimus-metal ion complexes**

Presenter: Umme Habiba Advisor: Dr. Lee Lee
Title: **Potential synergistic antimicrobial activity of egigallocatechin gallate and epigallocatechin gallate stearate on select microorganisms**

Presenter: Michael Little Advisor: Dr. Nina Goodey
Title: **Predicting allosteric residues that influence inhibitor specificity in dihydrofolate reductase enzyme family**

Co-authors: Emily Egbert, Seema Patel, Sarah Hall

7. Preventing Childhood and Adolescent Issues - University Hall 3051

Moderator: Dr. Jonathan Caspi

Presenter: Melinda Iannarone
Advisor: Cathy Brown, Esq.
Title: **It's time for a change: Reforming the New Jersey mandated reporting law for licensed practitioners**

Presenter: Sarah Springer
Advisor: Dr. Dana Levitt
Title: **Promoting a positive school culture: Navigating the role of the school counselor in bullying prevention**

Co-authors: Daniel Cinotti, Jill Schwarz

Presenter: Jessica Szwedda
Advisor: Dr. Jonathan Caspi
Title: **Siblings and discrimination: A qualitative exploration**

8. Interdisciplinary Research of Higher Education - University Hall 3006

Moderator: Dr. Matthew Shurts

Presenter: Vera Lentini
Advisor: Dr. Emily Isaacs
Title: **First-year composition unit on invention**

Presenter: Emily Raines
Advisor: Dr. Douglas Murray
Title: **An exploratory study of college students' dietary choices relative to independence**

Presenter: Sarah Vandermark
Advisor: Dr. Matthew Shurts
Title: **Impact of academic advisement on student retention and satisfaction**

Presenter: Sailume Walo-Roberts
Advisor: Dr. Harriet Glossoff
Title: **Disconnections on a college campus: Using relational-cultural therapy with women of color**
Co-author: Sherlene Ayala

9. Language: Its Role in Young Adult Acculturation, Infant Thought and Native Language

University Hall 3004

Moderator: Dr. Laura Lakusta

Presenter: Katsiaryna Aharodnik
Advisor: Dr. Anna Feldman
Title: **Automatic identification of learners' native language (L1) based on their writing in Czech**

Presenter: Jonathan Kull
Advisor: Dr. Kim O'Halloran
Title: **Language efficiency and acculturation**

Presenter: Megan Sommer
Advisor: Dr. Laura Lakusta
Title: **Will the goal always win?**

Co-authors: Jessica Bury, Inae Colucio, Katie Wiseman

10. Advances in Chemistry II - University Hall 3008

Moderator: Dr. Saliya de Silva

Presenter: Robert Barrows
Advisor: Dr. David Konas
Title: **Selective electrophilic fluorination of a chiral lactam ring**

Presenter: William Hendrixson
Advisor: Dr. Saliya de Silva
Title: **A one-pot approach to the synthesis of pyrazoles**
Co-author: Shikha Patel

Presenter: Agnieszka Pawlik
Advisor: Dr. Saliya de Silva
Title: **A one-pot approach to the synthesis of pyrazoles**
Co-author: Allison Blackman

Poster Presentations

Block A: 9:45 am – 10:45 am

(Alphabetical by Presenter's Last Name)

Graduate Award Nominees for Poster Presentations

Title: **Does personality make a difference on students' development as leaders (A44)**

Presenter: Selin Kalenderli

Advisor: Dr. Valerie Sessa

Title: **Calculating knee joint torque during a vertical jump from an individualized relationship between muscle activity and joint torque (A43)**

Presenter: Ryan Nie

Co-author: Christopher Bellon

Advisor: Dr. Steven Leigh

Title: **The impact of Japanese Knotweed on stream water content of the Peckman and Third Rivers, NJ (A61)**

Presenter: Mariany Segura

Co-author: Mariya Guzner

Advisor: Dr. Dirk Vanderklein

Undergraduate Award Nominees for Poster Presentations

Title: **Proposal for a study titled "Time of transition: An exploratory study of university students, culinary skills, eating decisions, and health outcomes" (A45)**

Presenter: Alison Halpern

Advisor: Dr. Douglas Murray

Title: **Improving ballistic vests for women in the Army (A21)**

Presenter: Lindsay Hescock

Advisor: Dr. Denis Feigler

Title: **Religion, women's empowerment, and health/health-seeking behavior in India: A comparison of Muslim and Hindu women (A1)**

Presenter: Jessica McCabe

Advisor: Dr. Sangeeta Parashar

Title: **The neuroprotective effects of EGCG on H₂O₂ and MPTP stress-induced PC12 cells (A26)**

Presenter: Anastasia Andrej

Co-authors: Mike Young, Ross Scott-Miller

Advisor: Dr. Vladislav Snitsarev

Title: **Talker identification and New Jersey dialect discrimination (A30)**

Presenter: Michael Apfelbaum

Advisor: Dr. Jennifer Pardo

Title: **A literature review of cold whirlpool and premodulated current in the treatment of Adductor Strains (A31)**

Presenter: Matthew Barlow

Advisor: Dr. Fredrick Gardin

Title: **Testing the impact of rhizosphere microorganism on plant growth in soil with or without the presence of beneficial organisms (A42)**

Presenter: Jose Bazan

Co-authors: Guillermo Riestra, Jennifer Krumins

Advisor: Dr. Jennifer Krumins

Title: **Infants' comprehension of source and goal path terms in motion events (A41)**

Presenter: Jessica Bury

Co-authors: Daphne Labropoulos, Alexa Steinberg, Laura Lakusta

Advisor: Dr. Laura Lakusta

Title: **The purification and analysis of mutated RET 51 (A60)**

Presenter: Mary Carter

Advisor: Dr. Quinn Vega

Title: **Classification of Mycobacterium Phage using polymerase chain reaction (A29)**

Presenter: Chrisabelle Cempron

Advisor: Dr. Sandra Adams

Title: **Automatically extracting a software word usage model from Java comments (A17)**

Presenter: Kathy Chowanec

Advisor: Dr. Emily Hill

Title: **We scored! How we learned first-hand about sports marketing through a class project with the National Football League (A8)**

Presenter: Ciara Decker

Advisor: Dr. Ric Jensen

Title: **Experiences from a hands-on course in e-retailing and multi-channel retailing strategies (A54)**

Presenter: Jessica DiGuseppi

Co-authors: Melanie Tolomeo, Alexander Armeni, Caitlin DeBlasio, Xhusticja Hoxha, Jaclyn Nakonechny, Robert Testa, Teresa Yorkgitis

Advisor: Dr. Archana Kumar

Title: **Changes in freshwater habitat in Sussex County, New Jersey (A53)**

Presenter: Michael Dmytriw

Advisor: Dr. Joseph DiGianni

Title: **Expression of the cytoplasmic domain of wild type and mutant RET 51 and purification using nickel beads (A56)**

Presenter: Kristiina Dorofejeva

Co-author: Ebtessam Gerges

Advisor: Dr. Quinn Vega

Title: **Pattern formation in non-equilibrium systems: Nature's spirals (A14)**

Presenter: Wayne Ernst

Co-author: Jonathan Cutler

Advisor: Dr. Ashwin Vaidya

Title: **Solubility of sirolimus in aqueous solutions (A9)**

Presenter: Ralph Falen

Advisor: Dr. Vladislav Snitsarev

Title: **Economic effects of climate change on winter activities in the Adirondack's high peaks region of New York (A47)**

Presenter: Adam Fernandez

Advisor: Dr. Joseph DiGianni

Title: **Amendment to the NJ Anti-Bullying Bill of Rights Act (A33)**

Presenter: Jillian Fetchko

Advisor: Cathy Brown, Esq.

Title: **Perceived questionability and the phenomenology of critical disposition (A54)**

Presenter: Daniel Fisherman

Advisor: Dr. Tyson Lewis

Title: **Curcumin as a potential inhibitor of Herpes Simplex virus infection in cultured cells (A34)**

Presenter: Dan Flores

Advisor: Dr. Sandra Adams

Title: Designing a guerilla marketing campaign for an O-T-C product to relieve muscle cramps (A40)
Presenter: Julia Giermanski
Co-authors: Vanessa Hernandez, Jaclyn Nakonechny, Jasmire Royster, Klaudia Zielonka, Elizabeth Agacinski
Advisor: Dr. John McGinnis

Title: Looking is not eating (A37)
Presenter: Nancy Greene
Co-author: Monica Jimenez
Advisor: Dr. Debra Zellner

Title: The notion of source in children's event representations (A5)
Presenter: Serina Hernandez
Co-authors: Donna Batraki, Marija Marinkovic, Hila Lutz, Malathi Thothathiri, Jennifer Fandino, Laura Lakusta
Advisor: Dr. Laura Lakusta

Title: Height is related to hand preference consistency (A13)
Presenter: Karly Hrank
Co-author: Sean McGraw
Advisor: Dr. Ruth Propper

Title: Comparison of two methods for coding mother-infant interaction (A27)
Presenter: Krista Johnson
Advisor: Dr. Peter Vietze

Title: Isolated and grouped armoured chondrules in an LL3.7 Chondritic Meteorite (A7)
Presenter: Travis Keeler
Advisor: Dr. Matthew Goring

Title: Where's My Classroom? - A mobile navigational aid developed for use at Montclair State University (A62)
Presenter: Spencer Kordecki
Co-authors: Pranav Rele, Thomas Rademaker, Justin Guillou
Advisor: Dr. Jerry Alan Fails

Title: Decoration of graphene with metal nanoparticles and its application for bioanalysis (A3)
Presenter: Keun Soo Kwon
Advisor: Dr. Shifeng Hou

Title: Did Hurricane Sandy flooding affect residential soils in Southern Bergen County? (A51)
Presenter: Kam Lam
Advisor: Dr. Greg Pope

Title: Preliminary characterization of a hemolytic activity In the cnidocysts of the jellyfish Chrysaora quinquecirrha from Barnegat Bay (A20)
Presenter: Ivonne Lozano
Advisor: Dr. John Gaynor

Title: Optimizing liability: An extraterritorial focus on the analysis of vicarious and corporate civil liability (A12)
Presenter: Cesca Marsan
Advisor: Dr. Ian Drake

Title: The effects of land use on periphyton growth in Northern NJ Watersheds (A57)
Presenter: Merari Mejia
Co-author: Tanya Sulikowski
Advisor: Dr. Meiyin Wu

Title: Discharge and transport of pollutants in the lower Passaic River and Newark Bay (A39)
Presenter: Giorgi Nasrashvili
Advisor: Dr. Bogdan Nita

- Title: **Environmental mainstreaming process in Afghanistan (A23)**
 Presenter: Shamim Niazi
 Co-author: Eric Stern
 Advisor: Eric Stern
- Title: **Possible hazards that could be affecting the Oradell Reservoir south of Old Hook Road, Bergen County, NJ (A22)**
 Presenter: Joseph O'Brien
 Advisor: Dr. Greg Pope
- Title: **Contrastive voicing acquisition in typically developing children (A52)**
 Presenter: Laura Ochs
 Co-author: Patricia Gencarelli
 Advisor: Dr. Elaine Hitchcock
- Title: **Sediment organic geochemical investigations of the Gateway National Recreation Area using pyrolysis - gas chromatography / mass spectrometry (A36)**
 Presenter: Kevin Olsen
 Advisor: Dr. Michael Kruge
- Title: **Inhibition of Sindbis Virus on vero cells (A25)**
 Presenter: Ozioma Onyegbule
 Advisor: Dr. Sandra Adams
- Title: **Core and trunk muscle activation during an overhead squat: A pilot study (A38)**
 Presenter: Michelle Armonda Padavano
 Co-author: Stephen Dippel
 Advisor: Dr. Fredrick Gardin
- Title: **Dynamic distribution of Helitron transposable elements in lotus genome (A58)**
 Presenter: Mitul Patel
 Co-author: Krista Como
 Advisors: Dr. Charles Du, Dr. Wenwei Xiong
- Title: **Atomic force microscope use for analysis of graphene sheets (A59)**
 Presenter: Lessy Pereda
 Advisor: Dr. Shifeng Hou
- Title: **Undergraduate student involvement in an evaluation research project (A48)**
 Presenter: Michael Puccio
 Co-authors: Samantha Spencer, Kelly Panchoo, Alyssa Byrne, Veronica Barrios
 Advisor: Dr. Jennifer Brown Urban
- Title: **Legal and public policy concerns regarding alienation in family law disputes (A32)**
 Presenter: Angela Raleigh
 Advisor: Dr. Ian Drake
- Title: **EGCG as a synergistic agent in antibiotic therapy (A16)**
 Presenter: Rima Rana
 Co-authors: Umme Habiba, Eric Sanchez
 Advisor: Dr. Lee Lee
- Title: **The role of zinc in lowering detrimental effects of World Trade Center particulate matter on pulmonary fibroblasts (A46)**
 Presenter: Patricia P. Rivera
 Co-authors: Sung Choi, Felix Dailey
 Advisor: Dr. Ann Marie DiLorenzo
- Title: **Impromptu writing: Implications for teacher education admissions (A55)**
 Presenter: Rebecca Rosenberg
 Co-author: Charity Dacey
 Advisor: Dr. Jennifer Robinson

Title: Common core state standards for mathematics and citizenship education (A4)
 Presenter: Mark Russo
 Advisor: Dr. Maughn Gregory

Title: MSU GOALS Survey: Serving the student athlete (A24)
 Presenter: Andrea Rydel
 Co-authors: Kim O'Halloran, Holly Gera
 Advisor: Dr. Kim O'Halloran

Title: The price of food and its linkage to importation and exportation (A6)
 Presenter: Michael Salmond
 Advisor: Dr. Greg Pope

Title: Laser particle size analysis of Late Oligocene Diatoms in IODP Hole U1356A (A11)
 Presenter: Vicky Sekkas
 Co-author: Sandra Passchier
 Advisor: Dr. Sandra Passchier

Title: What are the impacts of neighborhood qualities on the bicycle-friendly streets? (A50)
 Presenter: Yojna Sharma
 Advisor: Dr. Greg Pope

Title: Effect of Epigallocatechin Gallate(EGCG) and modified EGCG Stearate on Pseudomonas aeruginosa Biofilm (A10)
 Presenter: Hassan Tahir
 Co-author: Umme Habiba
 Advisor: Dr. Lee Lee

Title: Wildlife Guardians Project (A28)
 Presenter: Kelly Triage
 Co-authors: Natalie Sherwood, Meiyin Wu, Gretchen Fowles, Brian Zarate
 Advisor: Dr. Meiyin Wu

Title: Generation of a transgenic zebrafish expressing the transcriptional repressor ICER (A49)
 Presenter: Theodora Tsatsos
 Advisor: Dr. Carlos Molina

Title: The growing geography of Montclair State admissions (A2)
 Presenter: Steve Tsemberlis
 Advisor: Dr. Greg Pope

Title: Investigation of Oligomeric structure formation in VcCry1 by fluorescence anisotropy (A18)
 Presenter: Julian Velez
 Advisor: Dr. Yvonne Gindt

Title: Examining the correlation between the amount of green space available to residence and their social economic status (A15)
 Presenter: George Wafula
 Advisor: Dr. Greg Pope

Title: Mapping the ubiquitination sites of the transcriptional repressor ICER (A35)
 Presenter: Fanaye Woldeamanuel
 Co-authors: Carina Alvarez, Marni Crow
 Advisor: Dr. Carlos Molina

Title: Geographic distributions of mosquito-borne disease research (A19)
 Presenter: Salvatore Zerbo III
 Advisor: Dr. Greg Pope

Poster Presentations

Block B: 4:00 pm – 5:00 pm

(Alphabetical by Presenter's Last Name)

- Title: **Elucidation of the substrate recognition mechanism of VcCry1, a DNA repair enzyme (B29)**
Presenter: Rohe Ahmad
Advisor: Dr. Yvonne Gindt
- Title: **Closing the gap: Correlates, predictors and determinants of participation in breast cancer screening among older African American women (B52)**
Presenter: Tiffany Allison
Advisor: Dr. Amanda Birnbaum
- Title: **Eye-tracking and sentence comprehension (B34)**
Presenter: Alyssa Andreula
Co-authors: Krista Johnson, Kendra McKim
Advisor: Dr. David Townsend
- Title: **Detection of Xylella fastidiosa infection among oak trees in Brookdale Park, NJ using PCR (B4)**
Presenter: Linda Araya
Co-authors: Christina Olivier, Amy Pitler, Christopher Langner, Steven Bowman, Leila Koepp
Advisors: Dr. Leila Koepp, Dr. Stephen Koepp
- Title: **Numerical modeling of flagellated organisms in fluid flow (B61)**
Presenter: Christopher Berghout
Advisor: Dr. Bogdan Nita
- Title: **The analysis of potential effects of selenium dioxide, zinc chloride, and World Trade Center particulate matter on mammalian cell lines (B37)**
Presenter: Caitlin Berkefeld
Co-author: Jagruti Patel
Advisors: Dr. Ann Marie DiLorenzo, Dr. Lee Lee
- Title: **Rock fall rates on canal cuts in Hackettstown, NJ (B47)**
Presenter: Nicole Bernard-Rance
Advisor: Dr. Greg Pope
- Title: **Trace element fingerprinting of stream sediment in Northern New Jersey (B45)**
Presenter: Amanda Bischak
Advisor: Dr. Greg Pope
- Title: **Environmental justice implications of urban children's alienation from nature: Can environmental education solve the problem? (B8)**
Presenter: Alejandra Bozzolasco
Advisor: Dr. Neeraj Vedwan
- Title: **Isolation and characterization of novel phage known to infect mycobacterium smegmatis (B32)**
Presenter: Christian Brutofsky
Co-authors: Nicole Abdallah, Dajana Borova, Alston Chen, Farahzebin Chowdhury, Natasha Daibes, Pauline Encarnacion, Avianca Goldston
Advisor: Dr. Sandra Adams
- Title: **Relationships and properties of product and sum connectivity indices of certain graphs (B60)**
Presenter: William P. Burke
Advisor: Dr. Aihua Li
- Title: **Mitochondrial DNA gene sequence completion of Sea Nettles, Chrysaora quinquecirrha (B16)**
Presenter: Katlyn Buschgens
Advisor: Dr. John Gaynor

Title: **What are they teaching you these days?! An analysis of American attitudes toward non-traditional educators (B33)**
 Presenter: Ian Callahan
 Advisor: Dr. Sangeeta Parashar

Title: **The effects of PNF stretching versus static stretching on tissue elasticity and joint range of motion (B22)**
 Presenter: Megan Cavallo
 Advisor: Dr. David Middlemas

Title: **Investigation of substrate length and the thermodynamics of substrate binding for the DNA repair enzyme, Photolyase (B48)**
 Presenter: GeorgeMarie Chalet
 Advisor: Dr. Yvonne Gindt

Title: **Exploring complexities of teacher identity and race: An autoethnographic study (B43)**
 Presenter: Cyrene Crooms
 Advisor: Dr. Monica Taylor

Title: **Right on target (B23)**
 Presenter: Ciara Decker
 Advisor: Dr. Yam B. Limbu

Title: **Ferrofluid monolayers: The influence of surfactants on stability and transfer (B19)**
 Presenter: Goran Dojcinoski
 Advisor: Dr. Patrick Truitt

Title: **Distal amino acids that define ligand specificity in the dihydrofolate reductase enzyme family (B42)**
 Presenter: Emily Egbert
 Co-authors: Michael Little, Seema Patel, Sarah Hall
 Advisor: Dr. Nina Goodey

Title: **The GK-12 program: Graduate students working together to bring the complexity of graduate research in science and mathematics to middle school classrooms (B17)**
 Presenter: Leszczynski Eliza
 Co-authors: Anna Slusarczyk, Francesca Pizzigoni, Jessica Evans, Alexander Cali
 Advisor: Dr. Mika Munakata

Title: **The non-academic factors of college readiness: How counseling can be beneficial (B24)**
 Presenter: Hillary Fanelli
 Co-authors: Erica Dietsche, Alima Williams
 Advisor: Dr. Kim O'Halloran

Title: **Mapping dominant aquatic macrophytes at Lake Wapalanne, NJ (B58)**
 Presenter: Marco Finocchiaro
 Advisor: Dr. Meiyin Wu

Title: **Growth in Taraxacum officinale when grown in Zn or Pb polluted soil with microbial inoculate from brownfield soil (B31)**
 Presenter: Ariel Flood
 Co-author: Jennifer Krumins
 Advisor: Dr. Jennifer Krumins

Title: **Paleofloods of New Jersey (B9)**
 Presenter: Diana Flores
 Advisor: Dr. Joshua Galster

Title: **Transcriptional changes in response to activation of the receptor Tyrosine Kinase RET (B49)**
 Presenter: Elizabeth Y. Flores
 Advisor: Dr. Quinn Vega

Title: **Synthesis of an analog of Lys05, a promising multivalency autophagy inhibitor (B7)**
 Presenter: Luis Lopez Gomez
 Advisor: Dr. John Isidor

Title: **Ferrate for treatment of landfill leachate (B3)**
 Presenter: Christopher Gravesen
 Advisor: Dr. Yang Deng

Title: **Fingerprinting analysis of microbial community of aphid infested hemlock trees (B20)**
 Presenter: Lina Halawani
 Advisor: Dr. Jennifer Krumins

Title: **Time series analysis of an Antarctic early Pliocene ice-rafted debris record (B56)**
 Presenter: Melissa Hansen
 Co-author: Sandra Passchier
 Advisor: Dr. Sandra Passchier

Title: **Optimizing approaches for distributed computing based best band selection algorithms for hyperspectral image processing (B41)**
 Presenter: Spencer Kordecki
 Co-author: Stephen Gallo
 Advisor: Dr. Stefan Robila

Title: **Elucidating the role of water in substrate binding for the DNA-repair enzyme, DNA Photolyase (B51)**
 Presenter: Daniel Kosciuszko
 Advisor: Dr. Yvonne Gindt

Title: **Novel inhibitors of the Brugia Malayi stress-activated protein Kinase, Bm-MPK1 (B27)**
 Presenter: Tamara Kreiss
 Co-author: Agnieszka Chojnowski
 Advisor: Dr. John Siekierka

Title: **Mobile interaction and query optimization in a protein-ligand data analysis system (B5)**
 Presenter: Marvin Lapeine
 Advisors: Dr. Nina Goodey, Dr. Katherine Herbert, Dr. Emily Hill

Title: **The syntheses of epigallocatechin gallate derivatives as potential HSP90 inhibitors (B2)**
 Presenter: Jungeun Jasmine Lee
 Advisor: Dr. David Rotella

Title: **A comparison of the activation and timing of the internal and external oblique muscles during a sit-up exercise (B10)**
 Presenter: Thomas Leonardis Jr.
 Co-authors: Christopher Bellon, Ryan Nie
 Advisor: Dr. Steven Leigh

Title: **Intuitive glucose monitor for the blind (B25)**
 Presenter: Andres Lesmes
 Advisor: Dr. Denis Feigler

Title: **Evaluation of the removal of traditional contaminants from secondary effluent using Ferrate(VI) (B28)**
 Presenter: Nanzhu Li
 Co-author: Yang Deng
 Advisor: Dr. Yang Deng

Title: **Sikhism and positive psychology (B44)**
 Presenter: Anna Flores Locke
 Co-authors: Muninder K. Ahluwalia, Steven Hylton
 Advisor: Dr. Muninder K. Ahluwalia

Title: **Construction of a cDNA library of the Sea Nettle, Chrysaora quinquecirrha (B13)**
 Presenter: Victoria Lussier
 Advisor: Dr. John Gaynor

Title: **Access to secondary health care facilities: A spatial and social comparison study (B57)**
 Presenter: Rachel Malaniak
 Advisor: Dr. Greg Pope

- Title: **Annotation of a novel Mycobacterium smegmatis phage genome (B26)**
 Presenter: Rossara Nunez
 Co-authors: Nicole Abdallah, Froogh Aziz, Dajana Borova, Christian Brutofsky, Alston Chen, Farahzebin Chowdhury, Natasha Daibes
 Advisor: Dr. Sandra Adams
- Title: **Privatization of the remedial process: Analysis of licensed site remediation professional programs (B38)**
 Presenter: Robert Oleksy
 Advisor: Dr. Pankaj Lal
- Title: **Inhibition of Sindbis on Vero Cells (B6)**
 Presenter: Ozioma Onyegbule
 Advisor: Dr. Sandra Adams
- Title: **Stable isotope evidence of meteoric groundwater recharge in parts of the White Volta basin, Ghana (B12)**
 Presenter: Felix Oteng
 Co-authors: Clement Alo, Mark Yidana
 Advisor: Dr. Clement Alo
- Title: **Barriers to program implementation: Snags, obstacles, and hurdles, Oh my! (B1)**
 Presenter: Kelly Panchoo
 Co-authors: Alyssa Byrne, Stephanie Phelan, Michael Puccio, Samantha Spencer
 Advisor: Dr. Jennifer Brown Urban
- Title: **Calibrating the detection of spontaneous speech: From sentences to noun phrases (B14)**
 Presenter: Sara Parker
 Advisor: Dr. Jennifer Pardo
- Title: **Plant survival due to microbial symbiosis (B11)**
 Presenter: Guillermo Riestra
 Advisor: Dr. Jennifer Kruminis
- Title: **Soil health restoration project: Microbial community assessment in a watershed upland woodland area (B50)**
 Presenter: Idali Rios
 Advisor: Dr. Jennifer Kruminis
- Title: **The effects of person-centered planning on adolescents with disabilities (B55)**
 Presenter: Melissa Roed
 Co-author: Alexa Decker
 Advisor: Dr. Peter Vietze
- Title: **Holding latitude constant: A look at how several U.S. cities' climates vary with longitude (B30)**
 Presenter: John Rogers
 Advisor: Dr. Greg Pope
- Title: **Violence in America: Guns under fire (B54)**
 Presenter: Bridget Samaritano
 Advisor: Dr. Greg Pope
- Title: **The best practices for teaching writing to postsecondary students with acquired brain injuries (B21)**
 Presenter: Julianne Candio Sekel
 Advisor: Dr. Melinda Knight
- Title: **Potential usage of tea polyphenols in controlling endospore germination in Bacillus cereus, B. megaterium, and B. subtilis (B15)**
 Presenter: Nadia Shaikh
 Co-authors: Umme Habiba, Nozrin Laskar, MeyLyn Vasquez
 Advisor: Dr. Lee Lee

Title: **Variations in river longitudinal profiles along the Kittatinny Ridge, Appalachian Mountains (B46)**
Presenter: David Sharpe
Advisor: Dr. Joshua Galster

Title: **Habitat use and population demographics of two aquatic turtle species in a temperate forest lake (B59)**
Presenter: Tara Snyder
Co-authors: Linda Araya, Paola Dolcemascolo, Lisa Hazard, Kirsten Monsen-Collar
Advisor: Dr. Joseph DiGianni

Title: **Capturing weak interactions in chemistry (B36)**
Presenter: Anthony Strobolakos
Co-authors: Andrew Hernandez, Andrew Vild
Advisor: Dr. Hendrik Eshuis

Title: **A comparison of internal and external focus cues in biofeedback for treating /r/ Misarticulation (B53)**
Presenter: Michelle Swartz
Advisor: Dr. Elaine Hitchcock

Title: **Pipeline transportation of biomass (B40)**
Presenter: Jillian Varner
Co-authors: Siobhan Soltau, Gin Sanchez
Advisor: Dr. Ashwin Vaidya

Title: **The effect of posterior tibialis fatigue on navicular drop (B35)**
Presenter: Jennifer Williams
Advisor: Dr. Fredrick Gardin

Title: **Using graphics to think: Making graphics to represent educational authority in a qualitative research (B62)**
Presenter: Olivier Michaud
Advisor: Dr. Kathryn Herr

Alphabetical List of Presenters, Co-authors, Advisors and Moderators

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Abdallah, Nicole
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