

12TH ANNUAL RESEARCH CONFERENCE 4.21.2015

FOR MORE INFORMATION, VISIT AURC.ADELPHI.EDU.

ADELPHI UNIVERSITY
GARDEN CITY, NEW YORK

DESIGNED TO HIGHLIGHT THE OUTSTANDING CALIBER OF UNDERGRADUATE AND GRADUATE RESEARCH



12th Annual Research Conference

Adelphi University, Garden City, New York

Research Conference Committee

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Katherine Fiori, Ph.D., *Gordon F. Derner Institute of Advanced Psychological Studies*

Christopher Storm, Ph.D., *Department of Mathematics and Computer Science*

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WELCOME

Dear Guests,

Adelphi University's 12th Annual Research Conference is evidence of Adelphi University's ongoing commitment to scholarship and creative works. Together, the faculty and students have established their research goals, persisted in the empirical pursuit of their topics and, today, present the fruits of their scholarly endeavors.

This conference continues to offer both faculty and students a stage on which to display their scholarship. The conference also serves to inspire those who wish to engage in research and scholarly explorations in the future. Congratulations to all of our participants and their faculty advisers.

Conference submissions are diverse, and the disciplines represented span from the Arts and Humanities to the Sciences and Social Sciences. Indeed, this reflects Adelphi's flourishing academic environment, in which students and faculty are actively engaged in the process of asking novel questions, searching for methods to answer them and engaging with the ambiguity inherent in this complex undertaking.

This conference would not have been possible without the tireless efforts of the Research Conference Committee, who worked diligently and effectively to create this event. Congratulations to our students and advisers for their excellent contributions and to the faculty and reviewers, who have given selflessly of their time on behalf of their students. Special thanks to the Office of the Provost, the Office of Research and Sponsored Programs and the faculty for their support. I thank and applaud all the participants and supporters of this conference, and encourage us all to begin thinking of questions that have not yet been asked, as we explore new areas for future research.

Katherine Fiori, Ph.D.

Assistant Professor

Gordon F. Derner Institute of Advanced Psychological Studies

Christopher Storm, Ph.D.

Associate Professor

Department of Mathematics and Computer Science

KEYNOTE SPEAKER

George Hart, Ph.D.

Professor of Materials Sciences and Engineering, Stony Brook University

George Hart, Ph.D., is a sculptor and applied mathematician who demonstrates how mathematics is cool and creative in ways you might not have expected. Whether he is slicing a bagel into two linked halves or leading hundreds of participants in an intricate geometric sculpture barn raising, he always finds original ways to share the beauty of mathematical thinking.

An interdepartmental research professor at Stony Brook University, he holds a B.S. in Mathematics and a Ph.D. in Electrical Engineering and Computer Science from MIT. Dr. Hart is an organizer of the annual Bridges Conference on mathematics and art and the editor for sculpture for the *Journal of Mathematics and the Arts*.

His research explores innovative ways to use computer technology in the design and fabrication of his artwork, which has been exhibited widely around the world. Dr. Hart co-founded the Museum of Mathematics in New York City and developed its initial set of hands-on exhibits. He also makes videos that show the fun and creative sides of mathematics.

PARTICIPATING ADVISERS

- Anagnostis Agelarakis**, *Anthropology*
Argiro Agelarakis, *Anthropology*
Deborah Ambrosio-Mawhirter, *Nursing*
Regina Axelrod, *Political Science*
Helen Ballestas, *Nursing*
Dana Boccio, *Psychology*
Sidney M. Boquiren, *Music*
Robert Bornstein, *Psychology*
Laura E. Brumariu, *Psychology*
Diane Caracciolo, *Education*
Craig A. Carson, *English*
Jean Lau Chin, *Psychology*
Beth Christensen, *Environmental Studies*
Michael Christofferson, *History*
Francine Conway, *Psychology*
John Dooher, *Physics*
Jessica Dutton, *Environmental Studies*
Katherine Fiori, *Psychology*
Dale Flashner, *Art and Graphic Design*
Matthias Foellmer, *Biology*
Galine Fomovska, *Biology*
John J. Foxe, *Psychology*
Aaren Freeman, *Biology*
Louise Geddes, *English*
Akhtar Ghassemi, *Nursing*
Jerold Gold, *Psychology*
Njeri Kagotho, *Social Work*
Hanna Kim, *Anthropology*
Kathryn E. Krasinski, *Anthropology*
Katie Laatikainen, *Languages, Literatures and Cultures*
Susan Lederer, *Communication Sciences*
- Traci Levy**, *Political Science*
Deborah Little, *Sociology*
Heather Liwanag, *Biology*
Cindy Maguire, *Art and Art History*
M. Joy McClure, *Psychology*
Maria C. Nagan, *Chemistry*
Jacqueline Olvera, *Sociology*
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Devin Thornburg, *Education*
Melissa Van Alstine-Parris, *Chemistry*
Eugenia Maria Villa-Cuesta, *Biology*
Thomas Virgona, *Computer Science*
Horace Walcott, *Chemistry (Brooklyn Technical High School)*
Andrea Ward, *Biology*
Benjamin Weeks, *Biology*
Justyna Widera, *Chemistry*
Matthew Wright, *Physics*
Bryan T. Wygal, *Anthropology*
Kirsten Ziomek, *History*

FACULTY REVIEWERS

Pavan John Antony, *Education*
Clara Bauler, *Education*
Laura E. Brumariu, *Psychology*
Craig Carson, *English*
Jessica Dutton, *Environmental Studies*
Matthias Foellmer, *Biology*
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Lawrence Hobbie, *Biology*
Aaron Chia Yuan Hung, *Education*
Margaret Lally, *Theatre*
Kees Leune, *Information Security*
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Maureen C. Roller, *Nursing and Public Health*
Lars Ross, *Psychology*
Nicole Rudolph, *International Studies*
Christopher Saucedo, *Art and Art History*
Alan Schoenfeld, *Biology*
Carolyn Springer, *Psychology*
Brian Stockman, *Chemistry*
Branden Stone, *Mathematics and Computer Science*
Aram Stump, *Biology*
Devin Thornburg, *Education*
Melissa Van Alstine-Parris, *Chemistry*
Justyna Widera, *Chemistry*
Matthew Wright, *Physics*

12TH ANNUAL RESEARCH CONFERENCE

ADELPHI UNIVERSITY, GARDEN CITY, NEW YORK

CONFERENCE SCHEDULE

REGISTRATION AND BREAKFAST	8:00 A.M.–8:30 A.M.
Ruth S. Harley University Center, Second-Floor Atrium and Room 203	
WELCOME	8:15 A.M.–8:30 A.M.
Ruth S. Harley University Center, Room 203	
Katherine Fiori, Ph.D. , Conference Co-chair	
Robert A. Scott , President	
EPOSTER PRESENTATIONS	8:45 A.M.–10:45 A.M.
Center for Recreation and Sports	
Please note that there will be three 35-minute sessions; specific ePoster assignments can be found in the program:	
Session A: 8:45 a.m.–9:20 a.m.	
Session B: 9:30 a.m.–10:05 a.m.	
Session C: 10:10 a.m.–10:45 a.m.	
ORAL PRESENTATIONS	11:00 A.M.–12:30 P.M.
Humanities	
Ruth S. Harley University Center, Rooms 211 and 212	
Life Sciences and Physical Sciences	
Undergraduate: Center for Recreation and Sports, Campbell Lounges 2, 3 and 4	
Graduate: Center for Recreation and Sports, Campbell Lounge 1	
Social Sciences	
Undergraduate: Hagedorn Hall, Rooms 106, 107 and 108	
Graduate: Ruth S. Harley University Center, Rooms 213 and 214 Ruth S. Harley University Center, Room 313 (Psychology)	
LUNCH AND KEYNOTE ADDRESS	12:30 P.M.–1:30 P.M.
Ruth S. Harley University Center, Room 203	
Reviewers' lunch: Ruth S. Harley University Center, Charter Room 210	
Speaker introduction: Gayle D. Insler, Ph.D. , Provost and Senior Vice President for Academic Affairs	
Keynote address: George Hart, Ph.D.	
AWARDS CEREMONY	1:30 P.M.
Ruth S. Harley University Center, Room 203	
Katherine Fiori, Ph.D. , and Gayle D. Insler, Ph.D.	

ARTS AND HUMANITIES

UNDERGRADUATE EPOSTER PRESENTATIONS

8:45 a.m.–10:45 a.m.

Center for Recreation and Sports

Letter in right column refers to time (see page 5) of presentation and its screen number.

Francesco Adriatico	<i>United Brands of America</i>	Atrium*
Eric Askedall	<i>Let Freedom Rock</i>	Atrium*
Rachel Cipriano	<i>Sweet Land of Liberty</i>	Atrium*
Dominic DiGangi	<i>American Built</i>	Atrium*
Nicholas Doran	<i>Mixed and Made</i>	Atrium*
Alaima Hemlall	<i>Milled to Preserve</i>	Atrium*
Rosetta Isnardi	<i>Eastern and Western Music During 1600s</i>	B28
Esther Leslie	<i>Brand of the Free</i>	Atrium*
Griffin Lord	<i>Let Kids Be Kids!</i>	Atrium*
Timothy Moore	<i>Few Jobs for Good Men</i>	Atrium*
Rachel O'Brien	<i>Americone Dream</i>	Atrium*
Lisa Pastore	<i>Interdisciplinary Thinking Through Art and Design Education STEAM Curriculum</i>	B29
Jamie Rose	<i>Stacked with Pride</i>	Atrium*
Kelly Serrao	<i>Stitched with Pride</i>	Atrium*
Christopher Stahley	<i>Spark Our Economy</i>	Atrium*
Jason Wesson	<i>From Boom to Beyond: The Analysis of Post-Colonialism in Latin American Science Fiction</i>	B30

* These presentations will be displayed on boards in the Atrium of the Center for Recreation and Sports.

UNDERGRADUATE ORAL PRESENTATIONS

11:00 a.m.–12:30 p.m.

Ruth S. Harley University Center, Rooms 211 and 212

Michael Khayan Lontscharitsch	<i>Policies of Exclusion in Post-War Suburbia</i>
Jennifer Lin	<i>Reconciling Feminism within a Confucian Culture: The Core of Lu Hsiu-lien's Legacy</i>
Joseph Taglienti	<i>The Experience of Community: Aesthetics and Revolution</i>
Jessica Wells	<i>Normalizing the Salem Witch Trials</i>

LIFE SCIENCES AND PHYSICAL SCIENCES

EPOSTER PRESENTATIONS

8:45 a.m.–10:45 a.m.

Center for Recreation and Sports

Letter in right column refers to time (see page 5) of presentation and its screen number.

UNDERGRADUATE PRESENTERS

Walishah Ahmadi and Roger Sanguino	<i>Role of mitochondrial DNAs on the modulation of whole animal metabolic rate mediated by Rapamycin</i>	A1
Tameem Ahmed	<i>The evaluation of a low temperature solid oxide fuel cell</i>	A5
Katherine Alvarado	<i>Rapamycin as a treatment for Succinate Dehydrogenase mutants in Drosophila melanogaster</i>	A2
Jennifer Babayev	<i>Neurite outgrowth effects of caffeine on laminin induced PC12 cells</i>	A3
Jennifer Babayev and Avelina Svititskaya	<i>LC50 of malathion-induced hemigrapsus sanguineus and panopeus herbstii</i>	B3
Simona Bekker	<i>Characterizations of the prazole class of compounds as inhibitors of trichomonas vaginalis uridine nucleoside ribohydrolase</i>	A4
Diana Chaykina and Vivian Matubia	<i>Nucleation, growth, and kinetic studies of cadmium and tellurium</i>	A6
Andy Chen	<i>Crowding agents stabilize the active conformation of GAC-Nucleoside Hydrolase</i>	B1
Zachary Fallon	<i>Characterization of Arginine-rich binding in protein-RNA interactions</i>	A7
Eda Gulu and Christiana Joyce	<i>Mating preference patterns of female wild type drosophila melanogaster when given an equal opportunity to mate with wild type males and eye morphology mutants</i>	B2
Colleen Humes	<i>Dipine-based inhibitors of trochomonas vaginalis uridine nucleoside ribohydrolase are active in their phenylpyridine forms</i>	B4
Enoch Kim	<i>Beginning the Synthesis of π-N-methyl Improgan</i>	A8
Sara Kulins	<i>Are crab interactions altered by the rhizocephalan parasite Loxothylacus panopei?</i>	B8
Gloria Labib	<i>Preferred temperatures of Italian wall lizards</i>	B7
Himler Louima	<i>Predation of carcinus and asterius on nucella</i>	B5
Vivian Matubia and Diana Chaykina	<i>Electrodeposition of cadmium telluride thin films</i>	B6
Arielle Naranjo	<i>The dual differing effects of pH and temperature on the embryonic forms of Danio rerio</i>	C1
Michael Roveto	<i>Atlantic striped bass, Atlantic Bluefin tuna, and Alaskan salmon fisheries regulations</i>	C3
Monika Siepsiak	<i>Determining the optimal route to synthesize π-N-methyl improgan</i>	B9
Kevin Tanen	<i>Controlling atomic motion with frequency-chirped laser pulses</i>	C5
Joanna Tycner	<i>Formulation of a novel green nail polish remover</i>	C6
Stephen Tyndall	<i>Determining the mechanism for the synthesis of 7-hydroxy-4-trifluoromethylcoumarin via the von Pechmann condensation reaction using molecular iodine as a catalyst</i>	C7
Victoria Violo	<i>Weeding aggregators from NMR-based activity assay hit lists</i>	C4
Joanna Wells and Megan Ossman	<i>Following Sandy: An updated grain size analysis of coastal sediments at Long Beach and Fire Island, New York</i>	C8
Koon Fai Wong	<i>Understanding the Pechmann condensation reaction mechanism for the synthesis of 7-hydroxy-4-methylcoumarin using molecular iodine as a catalyst</i>	C9

GRADUATE PRESENTER

Rita Burmanroy	<i>Investigating the relationship between PKCzeta and VHL</i>	A9
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UNDERGRADUATE ORAL PRESENTATIONS

11:00 a.m.–12:30 p.m.

Campbell Lounge 2

Alyssa Costa	<i>Elongation enables aquatic and terrestrial locomotion</i>
Chinelo Nnebe	<i>How environmental conditions can affect skull morphology: A test case using retinoic acid</i>
Rohit Singla	<i>The effect of retinoic acid on jaws and teeth of Axolotl salamanders</i>

Campbell Lounge 3

Breanna Callejas	<i>Thermal tolerances of the Italian Wall Lizard (Podarcis sicula)</i>
Fatime Qosaj	<i>The effects of atypical PKC on the differentiation of kidney cells</i>
Roger Sanguino and Walishah Ahmadi	<i>Rapamycin's effect on the metabolic rate of Drosophila Melanogaster</i>
Neha Sharma	<i>Effects of submergence on the thermal function of pinniped fur</i>

Campbell Lounge 4

Sierra Beck, Samantha Muellers and Annie Benzie	<i>Druggability of adenosine/guanosine nucleoside hydrolase from trichomonas vaginalis</i>
Anthony Limani and Brian Kaufman	<i>Pulsing frequency chirped light at large detuning with an injection-locked diode laser</i>
John Mavroudes	<i>Uniform magnetic field apparatus for bio-physics experiments</i>
Tara Shea	<i>Structure-activity relationships of prazole fragment inhibitors of T.vaginalis uridine nucleoside ribohydrolase using NMB-based activity and binding assays</i>

GRADUATE ORAL PRESENTATIONS

11:00 a.m.–12:30 p.m.

Campbell Lounge 1

Braulio Assis	<i>Genital size and reproductive success on a spider</i>
Dan Dong	<i>Investigate VHL and PKC relationship in 786-O renal cells by silencing PKC level</i>
Natalie Gmuca	<i>Effects of electronic instrumentation on thermoregulation in northern fur seals</i>
Nandini Limbaskar	<i>Characterization and modeling of the effects of CO₂ addition and recycling on coal and biomass gasification</i>

NURSING, PUBLIC HEALTH AND SOCIAL WORK

UNDERGRADUATE EPOSTER PRESENTATIONS

8:45 a.m.–10:45 a.m.
Center for Recreation and Sports

Letter in right column refers to time (see page 5) of presentation and its screen number.

Christina Attanasia and Elga Peralta	<i>Is natural childbirth safer than Pitocin-induced childbirth: A new approach to maternity nursing care</i>	A10
Jane Lee	<i>Ethics: Consequences of poor judgment</i>	A11
Yurim Mun	<i>Ethical applications to stem cell research</i>	A12
Jillian Roesch	<i>Nursing assessment of postoperative delirium for geriatric patients</i>	B10
Sharmila Samwaru	<i>Properly assessing patient's understanding in health literacy: The nurse's role in encouraging active patient participation</i>	B11
Kristen Weeks	<i>The care of post-sexual assault patients in the Emergency Department</i>	B12

SOCIAL SCIENCES

EPOSTER PRESENTATIONS

8:45 a.m.–10:45 a.m.

Center for Recreation and Sports

Letter in right column refers to time (see page 5) of presentation and its screen number.

UNDERGRADUATE PRESENTERS

PSYCHOLOGY

Oliver Auguste, Karunya Bhattacharya, Marcha Couyote, Tiffaney Johnson, Pamela Karouzakis, Michael Khayan Lontscharitsch, Shley Mauro, John Medina, Kaitlyn Nuzzi, Leela Riquelme, Ahmad Salamah and Michael Spinella	<i>Putting it together: Student projects from practicum in Experimental Psychology (398-004)</i>	A13
Daniel Brennan, Victor Del Bene, John Butler and Sophie Molholm	<i>An fMRI investigation of the development of hemispheric differentiation in multisensory speech integration in neurotypical children and adolescents, and individuals with Autism Spectrum Disorder</i>	A14
Serena Chapman, Haley Blunt, Gabrielle Calia, Nicole Ficano, Russell Garcia, Angela Khoury, Rose Lernihan, Jennifer Mahr, James Martin, Ajsha Mekulovic, Christina Minolts, Valerie Rodriguez and Jessica Stolfi	<i>Ongoing research projects in Practicum in Experimental Psychology Spring 2015</i>	A15
Kathryn Graham	<i>A profile of borderline personality disorder features in late adolescence: A review of the literature</i>	A16
Eric Homburger	<i>Gender differences in collegiate soccer: Aggressive vs. violent behavior</i>	A17
Bonnie Ippolito, Victoria Khaimova and Christina Minolts	<i>Do men and women drink for different reasons?: Gender differences in the association of personality and risky drinking behaviors among first-year college students</i>	A18
Fallon Kane	<i>The other side of abuse: Dependency in male perpetrators of domestic violence</i>	B13
Nichollette Lewis	<i>Compassion satisfaction, burn-out, and secondary traumatic stress among healthcare professionals</i>	B14
Samantha Maiale, Nickie Antypas, Brittany Bonasia, Jennifer Choi, Joseph Diaz, Julianna Lombardi, Danielle Lundgren, Christina Mastropolo, Nae'ema Nadir, Stephanie Parvis and Janine Quintino	<i>Ongoing research projects in Practicum in Experimental Psychology Fall 2014</i>	B15
Timothy McGowan	<i>Relationship between affective disorders and risk of suicidality among children with or without ADHD</i>	B16
Melissa Mero	<i>The effect of empathy level on the perception of emotions in voices and photographs</i>	B17
Elizabeth Nestler	<i>Judging violence potential of criminals in video clips</i>	B18
Lisa Rabinovich	<i>The dissolving mind: An analysis of the progression of cognitive degeneration in artists as seen through their artwork</i>	C13
Leah Reisert	<i>The association between adoption status and attachment styles during the transition to college</i>	C14
Rebecca Roditski	<i>Minimal interactions and subjective well-being: Potential moderating effects of Extraversion-Introversion</i>	C15
Kimberly Velazquez and Kathryn Giuseppone	<i>Role confusion in the mother-child relationship among adolescents with and without anxiety disorders</i>	C16

SOCIAL WORK

Samantha Lotter, Vittoria Cracchiolo and Brianna Ferraro	<i>Immigration</i>	C10
Sarai Rodas and Shannon Wong	<i>Living Undocumented</i>	C11
Matthew Tuzzino and Kimberly Riley	<i>Immigration: What about the children?</i>	C12

OTHER SOCIAL SCIENCES

Kimberly Lombardi, Allison Adler and Kaitlin Shahinian	<i>A bioarchaeological study of Klazomenaen osteological remains from Asia Minor and Aegean Thrace from the 7th c. BC/BCE: Reflections on a pioneering population</i>	A22
Edward Maher	<i>Does the system benefit everyone?</i>	B22
Anastasiya Martinova	<i>A comparative analysis on Kosovo and Ukraine</i>	C22
Natnael Petros and Catherine Xie	<i>Enculturation and Acculturation</i>	C23
Elizabeth Sam	<i>Improving nursing care for the transgender population through culturally sensitive nursing education</i>	B23
Taylor Soete	<i>White privilege in the United States arraignment court system</i>	C24
Adika Venture	<i>The art of stratigraphy</i>	A23
Alexandra Wurglics and Hannah Kim	<i>Perceptions of homeless Romans by American study-abroad students</i>	B24
Samantha Zawistowski, Danaleah Schoenfuss and Kaitlin Shahinian	<i>Musculo-Skeletal Analysis of a Neolithic population in Crete, Greece</i>	A24

GRADUATE PRESENTERS**PSYCHOLOGY**

Colleen Bucci	<i>How does early attachment influence later cognitive ability?</i>	A19
Kathryn Giuseppone	<i>Does future time perspective explain the relation between attachment and depression in middle childhood? Evidence from Romania</i>	A20
Michael Grisanti	<i>Defense styles and coping with threats to psychological needs</i>	A21
Leah Harris	<i>Affinity-Seeking in relationships</i>	B19
Taylor MacFarland	<i>How psychological well-being is affected by the presence of a congenital vascular anomaly</i>	B20
Angie Morssal	<i>Parent-child attachment and Saudi Arabian children's social and emotional development</i>	B21
Cory Rusin	<i>A qualitative evaluation of the narratives of those with eating disorders</i>	C19
Elba Singh	<i>Baby Blues: Assessing community knowledge on post-partum depression</i>	C20
Justin Trapani	<i>Perception of life stresses</i>	C21

OTHER SOCIAL SCIENCES

Alexandra Cerone	<i>The effects of a parent-facilitated shared book-reading approach to acquiring early verbs: A pilot study</i>	A25
Katie Mathew	<i>Take 5: The effect of yoga and deep breathing on the social discourse skills of an adolescent with pragmatic deficits</i>	C17
Brittany Renne	<i>Accuracy of Type 2 sound level meter applications with attachment microphones</i>	C18

UNDERGRADUATE ORAL PRESENTATIONS

11:00 a.m.–12:30 p.m.

HAGEDORN HALL, ROOM 106

Josephine Chuah	<i>A qualitative exploration of the effects of perpetual foreigner stereotype on Asian Americans</i>
Sophia Conti	<i>Biocultural perspectives of obstetric fistulas</i>
Taylor Groth	<i>Reducing test anxiety in college students with disabilities</i>
Malcolm Sandy	<i>Multicultural psychology</i>
Rachel Stern and Rachel Reiss	<i>The effects of longer working hours on nurse and patient outcomes</i>

HAGEDORN HALL, ROOM 107

Allison Adler	<i>¿De qué etnia soy?: Reflections on the boundaries of Hispanic identity</i>
Alexis Bueno	<i>Where does stigma begin?</i>
Erin Carey	<i>Hurricane Sandy impacts on Long Island's south shore sediments</i>
Jazmine Javier	<i>Literature and ideology: How the Haitian Revolution shaped abolitionist rhetoric before the Civil War</i>
Alexa Savino	<i>Anti-genre tensions in France: The construction of gender identity and the state</i>

HAGEDORN HALL, ROOM 108

Jonathan Sclar, Alicia Canas and Mahdiyah Jaffer	<i>The Rwandan genocide</i>
Adriana Simone	<i>Is there a generation gap in views towards homosexuality among Americans?</i>
Naresh Singh	<i>An analysis of the history and current legal status of private military corporations</i>
Taylor Soete	<i>White ethnographers in the United States arraignment court system</i>
Joanna Wells	<i>Detecting cultural landscape modifications in the Alaska Boreal Forest with LiDAR imagery</i>

GRADUATE ORAL PRESENTATIONS

11:00 a.m.–12:30 p.m.

RUTH S. HARLEY UNIVERSITY CENTER, ROOM 313

William Foley	<i>Structure and compositional characteristics in female self-portraits as an indication of female identity progression</i>
Rachel Hartmann	<i>Traumatic events and quality of life among individuals with military experience</i>
Manali Roy	<i>Assessment of personality and memory</i>

RUTH S. HARLEY UNIVERSITY CENTER, ROOMS 213 AND 214

Kathryn Cavan and Ohiro Oni-Eseleh	<i>Re-entry of United States military veterans into civilian society through education</i>
Andrea Maneri	<i>Teaching and learning with the Net Generation</i>
Beatrice Watford	<i>Can lifestyle modifications like sugar addiction detox reduce the risk for chronic disease such as obesity and metabolic syndrome, and increase physical activity performance in children and adults?</i>
Carolyn Weyn	<i>Classroom management strategies in a secondary education classroom</i>

MULTIDISCIPLINARY

UNDERGRADUATE EPOSTER PRESENTATIONS		
8:45 a.m.–10:45 a.m.		
Center for Recreation and Sports		
Letter in right column refers to time (see page 5) of presentation and its screen number.		
Matthew Bellomo	<i>Transforming US Education through innovative practices in science assessment and standards</i>	B25
Avinav Bista	<i>Media in politics: How the role of the media has evolved</i>	B26
Tyra Busigo	<i>The impact of social media on social and political movements</i>	B27
Maegan Garvey	<i>Global models of dance/movement therapy: Force for change</i>	C25
Carleen King	<i>Design-Build: Engineering partnerships for sustainability development in sanitation and clean water. Haiti: A case study</i>	C26
Kyle Morrison	<i>Forensic reconstruction of an ancient styrax</i>	A26
Megan Murphy and Kimberly Atkins	<i>Cultural values and the impact on early intervention services</i>	C27
Jessica Wells	<i>Long Island artifact preservation</i>	A27
Samantha Zawistowski	<i>An Ethnobotanic study in Crete, Greece: Myth, ritual and medical remedies</i>	A28

2014 RESEARCH AWARD WINNERS

ARTS AND HUMANITIES

Oral Presentations

Undergraduate Winners:

- Cailin Giard, *How Popular Culture Condone and Perpetuates Human Trafficking*
Faculty Adviser: Professor Devin Thornburg
- Mahnoor Misbah, *East Meets West: An Examination of Ibn Khaldun's Influence on Western Thought*
Faculty Adviser: Professor Edward Reno

Undergraduate Honorable Mention:

- Melissa Waldvogel, *A Knight, His Wife, Their Arms, and Their Grave Marker: An Image of a 16th-Century Flemish Gravestone from the Adelphi University Art Collection*
Faculty Adviser: Professor Maya Muratov

Poster Presentations

Undergraduate Winners:

- Allison Philbin, *True American Blend*
Faculty Adviser: Professor Dale Flashner
- Rahama Junaid, *Media Criticism through Art and Design Education*
Faculty Adviser: Professor Cindy Maguire
- Joseph Taglienti, *Assujettissement: Forming and Regulating the Subject*
Faculty Advisers: Professor Craig A. Carson, Dean Richard Garner

Undergraduate Honorable Mention:

- Julianna Claase, *From Stream to Shining Stream*
Faculty Adviser: Professor Dale Flashner

Graduate Winner:

- Diana Gong, *Drawing techniques, creating texture using graphite pencil*
Faculty Adviser: Professor Pamela Koehler

LIFE SCIENCES AND PHYSICAL SCIENCES

Oral Presentations

Undergraduate Winners:

- Frances Fan, *Rapamycin as a potential treatment for succinate dehydrogenase mutants in *Drosophila melanogaster**
Faculty Adviser: Professor Eugenia Villa-Cuesta
- Lauren Tesoriero, *Development of Microsatellite Markers for the Study of Spider *Argiope aurantia**
Faculty Adviser: Professor Aram Stump
- Cassandra Bianco, *A head start begins at the vertebral column: a correlation between vertebral development and burst speed swimming performance in *Orcorhynchus mykiss**
Faculty Adviser: Professor Andrea Ward

Undergraduate Honorable Mentions:

- Samantha Zukowski, *¹⁹F-NMR as a Reaction Monitor of 7-methoxy-4-trifluoromethylcoumarin Conversion to 7-hydroxy-4-trifluoromethylcoumarin by CYP19A1*

Faculty Adviser: Professor Melissa Van Alstine-Parris

- Michael Trietsch, *Development of an extremely sensitive sensor for NO₂ employing cavity enhanced absorption spectroscopy and an LED source*

Faculty Adviser: Professor Gottipaty N. Rao, Professor Andreas Karpf

Graduate Winner:

- Emily Dernbach, *Wave exposure, available prey density, and predator cues elicit variable foraging behavior in Nucella lapillus*

Faculty Adviser: Professor Aaren Freeman

Poster Presentations**Undergraduate Winners:**

- Fatime Qosaj, *The Effects of Atypical PKC on the Differentiation of Kidney Cells*

Faculty Adviser: Professor Alan Schoenfeld

- Tara Shea, Paola J. Burburan, Vivian N. Matubia, Sandy S. Ramcharan and Irving Rosario Jr., *Identification of proton-pump inhibitor drugs that inhibit Trichomonas vaginalis uridine nucleoside ribohydrolase using an ¹⁹F NMR-based activity assay*

Faculty Adviser: Professor Brian J. Stockman

- Vittoria Venuti, *Interspecific comparisons of metal bioaccumulation in tuna and mahi-mahi as a function of size*

Faculty Adviser: Professor Jessica Dutton

- Michael Fernandez, *A new technique for the detection of NO₂ employing broadband cavity ring-down spectroscopy and a CW diode laser*

Faculty Adviser: Professor Gottipaty Rao

- Megan Ossman and Joanna Wells, *Sand, sand, and Sandy: a grain size analysis of coastal sediments at Long Beach and Fire Island*

Faculty Adviser: Professor Beth Christensen

Undergraduate Honorable Mentions:

- Natalia Gmuca, *The Fat and the Furiest: Morphological changes in harp seal fur with ontogeny*

Faculty Adviser: Professor Heather Liwanag

- Erin Taub, *The Effect of Environmental Pollutant Malathion*

Faculty Adviser: Professor Aaren Freeman

- Jami DeGrote, *Synthesis of 7-alkoxy-4-trifluoromethylcoumarins via the Pechmann Condensation Reaction with Catalytic Iodine*

Faculty Adviser: Professor Melissa Van Alstine-Parris

Graduate Winner:

- Nicole Wong, Laxminarasimha Donthireddy and Sathyapriya Babu, *Differential effect of High Fat Diet on tissue morphology and hormonal levels in male and female mice*

Faculty Adviser: Professor Melissa Van Alstine-Parris

NURSING, PUBLIC HEALTH AND SOCIAL WORK**Poster Presentations****Undergraduate Winners:**

- Erica Conde, *An analysis of nurse-conducted pain assessment in nonverbal patients in critical care settings: How can pain be better identified and managed in patients who cannot self report?*

Faculty Adviser: Professor Deborah Ambrosio

- Eunkyung Lee, *Who supports social welfare?: Americans' welfare attitudes*

Faculty Adviser: Professor Elizabeth Palley

Graduate Winners:

- Ohiro Oni-Eseleh, *Relationship Between Quality of Internship and the Degree of Post-Graduation Job Readiness: A Case Study of Master of Social Work Graduates*
Faculty Adviser: Professor Godfrey Greg
- Colleen Smalley and Joanna Contreras, *The Relationship Between Violence and Reproductive Health Among Immigrant South Asian Women Survivors of IPV*
Faculty Advisers: Professor Subadra Panchanadeswaran, Professor Tiloma Jayasinghe

Oral Presentations

Undergraduate Winner:

- Lindsay Zissis, *Schizophrenic Speech*
Faculty Adviser: Professor Devin Thornburg

Graduate Winner:

- Elionora Silbersack, *Exploring mothers' initial discovery experiences of developmental delay or disability in their young children*
Faculty Adviser: Professor Julie Cooper-Altman

PSYCHOLOGY

Oral Presentations

Undergraduate Winner:

- Sarah Stevens, *Gender Discrimination: a Global Perspective*
Faculty Adviser: Professor Francine Conway

Undergraduate Honorable Mention:

- Dina Caldararo, Jillian Meli, Ashley Krug and Angelica Rivera, *Distraction techniques and pain scores during painful medical procedures in young children*
Faculty Adviser: Professor Yiyuan Sun

Graduate Winners:

- Laura Eidlitz, *Assessment of Treatment Efficacy for Patients with Child and Adult Abuse Onset*
Faculty Adviser: Professor Kate Szymanski
- Caitlin Lapine, *Social Media and Text Messaging: Romantic Relationships in the 21st Century*
Faculty Adviser: Professor Rebecca Curtis

Poster Presentations

Undergraduate Winner:

- Kathryn Coyle, *The Relationship between Facebook Use and Emotional Well-Being as Moderated by Interpersonal Relatedness among College Students*
Faculty Adviser: Professor Katherine Fiori

Undergraduate Honorable Mentions:

- Kristina Cotroneo, *Facial Feedback Hypothesis, Empathy and Faces*
Faculty Adviser: Professor Susan Petry
- Jeremy Grant, *Examining How Ethnicity Influences One's Academic Experiences and Perceptions*
Faculty Adviser: Professor Jennifer Durham
- Kelsey McLaughlin, *Psychological Wellbeing among College Students Diagnosed with ADHD*
Faculty Adviser: Professor Francine Conway

Graduate Winner:

- Jade Sanders, *The Effect of Humor on Implicit Bias*

Faculty Adviser: Professor Joel Weinberger

Graduate Honorable Mentions:

- Kathryn Giuseppone, *Mother-child disagreements in reports of anxiety: Do individual and family factors matter?*

Faculty Adviser: Professor Laura E. Brumariu

- Kristen Capps and Anthony Mullin, *Patient crying in psychotherapy: Who cries, and why?*

Faculty Advisers: Professor Katherine Fiori, Professor Mark Hilsenroth

MULTIDISCIPLINARY AND OTHER SOCIAL SCIENCES**Poster Presentations****Undergraduate Winner:**

- Alexa Savino, *The Complications of Catastrophe: An Analysis of Sandy Relief Efforts through the Lenses of Utilitarianism and Luck Egalitarianism*

Faculty Adviser: Professor Traci Levy

Undergraduate Honorable Mention:

- Kimberly Rieger, *On the Extinction of Neandertal in Eurasia: With implications for the northern expansion of modern humans*

Faculty Adviser: Professor Brian Wygal

Poster Presentations**Undergraduate Winners:**

- Ria Koukoulis and Alyssa Conigliaro, *Analysis of Van Gogh's Portraits Through Brushstrokes and Emotions*

Faculty Adviser: Professor Susan Petry

- Allison Adler, Ashley Corbeil and Joanna Wells, *Anthropological Archaeology Considerations Regarding the Geometric Period Burial Ground at Naxos Island-Greece*

Faculty Adviser: Professor Anagnostis Agelarakis

Graduate Winner:

- Brittany Renne, *Accuracy and Performance of Type 2 Sound Level Meter Applications*

Faculty Adviser: Professor Yula C. Serpanos

**Full abstracts for all presentations can be found at
*academics.adelphi.edu/aurc.***

