

Mentored Undergraduate Summer Experience

Presentations and Banquet

July 29, 2010

Program

5:00 - 6:30	View Posters (see the following pages for a directory)
6:30	Buffet Dinner
7:20	Welcoming Remarks
	Janet Morrison, Director of MUSE
7:30 – 8:45	Oral Presentations (15 minutes each, moderated by Dr. Morrison)
7:30	Statistical Analysis and Information Retrieval on Boston Symphony Orchestra Data Set Timothy Song Faculty Mentor: Teresa Nakra
7:45	Chambersburg Video Project Nick Donnoli Faculty Mentor: Susan Ryan
8:00	A computational stochastic model of breathing embedded with fractal-like scaling Sagar Sutaria Faculty Mentor: Brett BuSha
8:30	Autobiography and Autocracy: Latina Autobiography and Latin American Dictatorships Stephanie Kraver Faculty Mentor: Lisa Ortiz-Vilarelle
8:45	William Grant Still's Suite for Violin and Piano and Folk Suite No. 4: A Blending of Classical Music and African American and Latin American Folk Traditions Francesco Composto and Rachel Smith Facutly Mentor: Ralph Russell

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Poster Directory

(NOTE: Posters are arranged randomly in order to foster cross-disciplinary conversation)

School of Business

Economics Economics	
Food Stamps and Obesity: An Economic Perspective	
Andrea Ortu and Meaghan Vitale	
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House Prices and Its Impact on the Economy: A Cross-Country Analysis	
Daniel Japa	40
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Finance	
Changes in Microfinance after the Global Financial Meltdown: What Models Can Explain Performance?	
Stephen Anthony Gadda	
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Outward FDI from China to the United States: A historic comparison with Japan Michael Okrend	
Faculty Mentor: Linghui (Lynn) Tang	4
An Options-Based Approach to Modeling Operational Flexibility Toseph Gesualdo	
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Management	
The Application of the Law to Social Media	
Nicholas Falcone and Matthew Turner	
Faculty Mentor: Susanna Monseau	35
School of Culture and Society	
African-American Studies	
Гracing the Trope of 'Epiphanal Blackness' in African American Literature Adriana Botti	
Faculty Mentor: Piper Kendrix Williams	39
English	
Approaches for Addressing Sexual Identity and Gender Variance in the Secondary English/Language Arts Class: An examination of English Journal, 1969-2010 Katherine Ondrof	room:
Faculty Mentor: Emily Meixner	6

Autobiography and Autocracy: Latina Autobiography and Latin American Dictatorships Ivonne Gonzalez	
Faculty Mentor: Lisa M. Ortiz-Vilarelle	.8
Psychology Attention and Memory Functioning in Younger and Older Adults Hope Fine	
Faculty Mentor: Tamra Bireta	.7
Strategies to Increase Civic Engagement Among Emerging Adults in Trenton, NJ Meagan Docherty	
Faculty Mentor: He Len Chung	.31
Sociology Manuscript Preparation for a Social History of an Amazonian Colonization Zone Stephanie Torres	
Faculty Mentor: Diane Bates	.26
School of Education Special Education, Language, and Literacy Exploring the collaborative teaching experiences of educators in New Jersey: A pilot study	
Gabrielle Minervini Faculty Mentor: Nadya Pancsofar	.18
School of Engineering Mechanical Engineering Dispersion of Saccate Pollen: Wind Tunnel Experiments of Pollen Dispersion in Turbulent Flows Winston Moy and David Talarico Faculty Mentor: Lisa Grega	.15
The Impact of Physical Forces in Flowing Blood on Homeostasis and Thrombosis Bhumi Shah	
Faculty Mentor: Constance Hall	.37
Investigation of the Effect of Cement Viscosity on Functional Loading Micromechanics at the Stem-cement and Cemebone Interface in Total Knee Replacement using Digital Image Correlation Kevin Abbruzzese, Richard O'Laughlin, Daniel Lee	nt-
Faculty Mentor: Manish Paliwal	.41
Investigation of soft-tissue mechanics using digital image correlation Daniel Lee and Mary Kate McDonough	
Faculty Mentor: Manish Paliwal and Karen Yan	.25
Swarm Intelligence Based Multirobot Systems Brian Geuther	
Faculty Mentor: Jennifer Wang	.34

Study of Heart Tissue Damage via Dynamic Heart Phantom and MRI Mary Kate McDonough	
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Biopolymer Tissue Scaffold Degradation Erin McMullin	
Faculty Mentor: Karen Yan	.10
School of Nursing, Health, and Exercise Science	
Nursing	
Curriculum Development: A Health Behavior Change Model Jillian Harth, Nicole Feldman, and Jessica Young	
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School of Science	
Biology	
Feather Replacement and Feather Quality in Carolina Chickadees of the Northern Pine Barrens Camille Deering and Michael Wang	
Faculty Mentor: Luke Butler	.19
Exploration of the Pet-1 Mouse as an Animal Model for Sudden Infant Death Syndrome (SIDS) Samantha Conte and Laurie Delatour	
Faculty Mentor: Jeffery Erickson	.16
The Genetic Regulation of Cell Death Specification in Caenorhabditis elegans: tra-5 and sm138 Colin Gold and Julia Kim	
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Investigating the Coordination of Multiple Steps in Gene Expression: The Functions of Npl3's Domains Daniel Mitchell	
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Investigating the Coordination of Multiple Steps in Gene Expression: The Role of Snu66 Christine Scaduto	
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1) Gene Expression Modulation in Blue Crabs in Response to Changes in Seawater Salinity. 2)Modification of the Na+K+-ATPase Enzyme Protein in Blue Crabs Exposed to Changes in Seawater Salinity Teresa Askander, Danny Markowski, and Joe Sarhan	·,
Faculty Mentor: Donald Lovett	.1
Genetic Variation in Populations of Wild Plant Pathogens Rawinder Parmar	
Faculty Mentor: Janet Morrison	.12
Regulation of the GLD-1 Germ Line Tumor Suppressor in Caenorhabditis elegans (C. elegans) Sharon Bushi and Sarah DeGenova	
Faculty Mentor: Sudhir Nayak	.29

An Analysis of the Zebrafish Squid-like Genes in Zebrafish: Roles and Regulation Michael Poulose and Maunil Sheth	
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Genetic and Biochemical Analysis of Cytochrome P450 Protein that Regulate Plant Growth Kelly Salmon	
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Stickelback Fish Evolution Kaitlyn Schiels and Greg Way	
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Chemistry Cocrystals as a Means to Control Polymorphism in Pyrazinamide Devon Cocuzza	
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Assessing the Stability of Theophylline Cocrystals in the Presence of Competing Coformers in the Solid State Jennifer Urban	
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Presumptive Drug Testing- Defining a Logical Method for Creating Future Tests, and Designing a Specific Me the Detection of Salvia divinorum Lauren Belloff and Alexandra Malin	thod for
Faculty Mentor: John Allison	28
Using Fluorescence Correlation Spectroscopy to Monitor Protein Conformational Dynamics Emmanuel Martinez Alcaraz and Lindsay Baker	
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Understanding the Effect of Ionic Liquid on the Folding and Conformation of a Helical Peptide Grace Huang	
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Molten Flux Method to Synthesize Thermoelectric and Magnetic Materials Sarah Wehrhan, Valisha Edwards and Matthew Kita	
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X-Ray Diffraction Matthew Kita	
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Defining the Structural Differences Between Type 1 and Type 2 Insect FPPSs Reshma Jacob	
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Physics

Sublimation of Ice Particles in Upper Troposhpheric Conditions	
Kayla Spector	
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Early Stages of Ice Sublimation Joe Grippaldi	
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Acoustic Raindrop Disdrometer John Lenehan	
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