TENTH ANNUAL CONFERENCE

Tuesday, March 19
Graham Center Ballrooms
8:30AM – 4:00PM

Wednesday, March 20
Graham Center Ballrooms
9:00AM – 5:00PM

Florida International University
Modesto A. Maidique Campus
Tuesday, March 19th, 2013
FIU Graham Center Ballrooms

Session A
9:00 AM – 10:00 AM

East Ballroom
Public Health I
Chair: Bennet Schwartz, Psychology

1. Samora Dorismond (Mary Lou Pfeiffer)
   “Ethical Factors that Influence the Selection of Potential Organ Transplantation Candidates”

2. Gabriella Riccio (Audrey Miller)
   “An Oral Health Educational Program on Knowledge in Caregivers of Preschool Children”

3. Lauren Puchades (Mary Lou Pfeiffer)
   “Examining the Ethics of Late-age Pregnancy: A Re-shaping of Typical Family Life in America”

Center Ballroom
International Relations
Chair: TBA

1. Emily Bello-Prado (Astrid Arraras)
   “Two Countries, One Vote: The Role of Twitter in Voter Mobilization in the 2012 Venezuela Presidential Elections”

2. Isabelle Martinez (Guillermo Grenier)
   “Same Motives, Different Pathways: The Role of a Miami Immigration Agency in the Integration of Cuban and Venezuelan Migrants into the United States”

3. Bradly Hammond (Masako Kubota)

West Ballroom
Biomedical Engineering I
Chair: TBA

1. Christopher Emerson (Stephen Winkle)
   “Trafficking the Intracellular Pathway of Multifunctional Nanoparticles in Cancer Cell Lines”

2. Azael Sarmiento (Anthony McGoron)
   “Pharmacokinetics and Biodistribution of PGMD Nanoparticles in Mice”

3. Danique Stewart (Sharan Ramaswamy)
   “Platelet Adhesion Assessment for Potential Implantable Intravenous Blood Access Device”
Session B
10:00 AM – 11:00 AM

East Ballroom
Behavioral Science
Chair: Bennet Schwartz, Psychology

1. Jillian Goltzman (Fred Blevins)
“Reaching Students in Shifting Technology: The Usage of University Email”

2. Mileini Campez (Margaret Sibley)
“Effects of a Summer Treatment Program for Adolescents with ADHD on Executive Functioning”

3. Danielle Klein (Cecile Houry)
“The Impact of Reading Coaches at Miami Northwestern Senior High School”

Center Ballroom
Life Sciences I
Chair: TBA

1. Stefano Correa (Fernando Noriega)
“The Role of Male Aedes aegypti Accessory Glands on Female Egg Development”

2. Janelis Gonzalez (DeEtta Mills)
“Multi-antibiotic Resistant Bacteria and Their Implications”

3. Richard Barrios (Jeremy Chambers)
“Possible Monocarboxylase Transporter 1 (MCT-1) Kinase-induced Signaling Pathway”

West Ballroom
McNair Fellows
Chair: George Simms, Pre-Collegiate Programs and Grants

1. Vanquilla Shellman (8th Cohort McNair Fellow)
Dept. of Chemistry and Biochemistry
“Headspace Solid-Phase Micro Extraction Coupled to Gas Chromatography/Mass Spectrometry (HS-SPME-GC/MS) for the Detection of Caffeine in Cocaine, an Over the Counter (OTC) Medicine and a Coffee Sample”

2. Kevin Casin (9th Cohort McNair Fellow)
Dept. of Biological Sciences
“Detail on the Population of Genetic Structure of the Haitian Strain of the Southern House Mosquito, Culex quinquefasciatus”

3. Omar Leon (10th Cohort McNair Fellow), Carlos Lopez (10th Cohort McNair Fellow), Pierre Avila (10th Cohort McNair Fellow)
Dept. of Physics
“Charged Fusion Product Diagnostic”
Session C  
11:00 AM – 12:00 PM

East Ballroom  
Sociology/Cultural Studies  
Chair: Jorge Duany, FIU Cuban Research Institute

1. Katherine Sifontes (Asia Eaton)  
“An Examination of Race and Cultural Notions within Contemporary Afro-American and Afro-Caribbean Communities”

2. Violeta Rodriguez (Jeremy Pettit)  
“The Role of Race in Memory and Attention Bias among College Students”

3. Katrina Lowe (Tekla Nicholas)  
“Afro-Latino Identity in America: An Exploration of Race and Ethnicity through Media”

Center Ballroom  
Environmental and Earth Science  
Chair: TBA

1. Charelle Trim (Rosemary Hickey-Vargas)  
“Determination of the Origin of Granitic Basement Rocks in Schists in the Calbulco Volcano, Chile”

2. Brian Matilla (Joseph Zagrodnik and Cheng Tao)  

3. Glenn Haave (Shimelis Dessu)  
“Do Airboats Create ‘Footprints’ in the Florida Everglades?”

West Ballroom  
Biomedical Engineering II  
Chair: TBA

1. Douglas Wright (Anthony McGoron)  
“Design, Development, and Use of an Optical Refractometer in the Determination of Polymer Nonpartical Molecular Weights”

2. Daniel Rodriguez (Nikolaos Tsoukias)  
“Analysis of Ion Channel Gene Expression in Rat Aortic Smooth Muscle Cells”

3. Kenneth Riggott (David Becker)  
“The Assessment of Azulenyl Nitrone as a Sensing Material for Gamma Radiation Sterilization Dosimetry of Healthcare Products”

Session D  
12:00 PM – 1:00 PM

East, Center, and West Ballrooms  
Poster Session
Session E
1:00 PM – 2:00 PM

East Ballroom
Public Health II
Chair: TBA

1. Lordana Guillaume (Kelly Winter)
“Infant Mortality Disparities in Miami-Dade County: Neighborhood Factors and Health Care Administrators’ Perspectives”

2. Patricia Rodriguez (Yerko Berrocal)
“College Student Awareness of Modifiable Risk Factors and Warning Signs of Stroke”

3. Sanna Mohammad (Eric Wagner)
“Family versus Social Influences on Teen Drinking Behaviors”

4. Helen Molinares (Leonard Elbaum)
“Effectiveness of Robotic Devices to Facilitate Neuroplasticity and Improvements in Lower Extremity Motor Skills Among Children with Cerebral Palsy: An Introduction and Systematic Review”

Center Ballroom
Theatre Performance

“the beauty project”
Tatiana Pandiani (Michael Yawney)

Cast:
Jannelys Santorini
William Cadena
Jason Caceres
Christian Lopez
Amber Benson

Paul Steinsland
Amanda Ortega
Peter Mir
Nelly Torres

Directed by: Tatiana Pandiani
Sound Operator: David Neale

“the beauty project” is a devised theatre piece originally composed by nine actors, musicians, and dancers. The devising process began in August 2012 and developed through collaboration with the cast. The main methods employed were “stream of consciousness” writing and “composition work.” Inspired by Jerzy Grotowski, Twyla Tharp, and others, the monologues, choreography, and music for “the beauty project” were all originally composed by the ensemble. The final product is a 60-minute production dealing with the issue of beauty in contemporary society from diverse points of view. The performance for the conference is an abridged 25-minute selection of the piece, which was performed at both the FIU Studio Theatre and ArtWalk at Wynwood this past fall.
1. Nicole Millan (Helen Tempest)
   “Genome Organization in Human Sperm Cell”

2. Osmin Herrera (Irina Agoulnik)
   “Regulation of INPP4B Tumor Suppressor Activity by Posttranslational Modifications”

3. Asiel Roque (Mary Lou Pfieffer)
   “An Overview of Sepsis: The Lack of Sepsis Diagnosis for Critically Ill Patients”

GC 140
Honors College Everglades Course Panel Discussion
Chair: Peter Machonis, Modern Languages

Panelists: Alyssa Dazza, Danny Emmanuel, Farrah Etzel, Katherine Loaiza, Nickolas Preciado, Solangel A. Rodriguez

Poster Participants:

1. Alfred Salas
   “Lionfish Invasion: The Underwater Roar”

2. Alyssa Dazza
   “Unusual Suspects: An Everglades Avian Lineup”

3. Danny Emmanuel
   “The Treasure in the Muck”

4. Farrah Etzel
   “Save the Everglades, Heal Yourself”

5. Jean Marte
   “MythBusters: Everglades Edition”

6. Jennifer Jackson
   “Pirates of the Everglades”

7. Katherine Loaiza
   “Unconquered People of the Everglades: Battle for Cultural Survival”

8. Nickolas Preciado
   “Cathedrals of the Glades”

9. Rosmery Valdivia
   “Beat the Heat: Global Warming in the Everglades”

10. Samantha Ramlogan
    “Little Green Alien Invaders”

11. Sean Colon
    “Everglades Survival for Dummies”

12. Sergio Pantoja
    “NIMBY...But Maybe on the Patio”

13. Solangel A. Rodriguez
    “Everglades Art as a Subversive Activity”

14. Yaneisy Guerra
    “Putting Teeth into the Endangered Species Act”
Session F
2:00 – 3:00pm

East and West Ballrooms
Poster Session

Center Ballroom
Musical Performance

“雨が降る (Ame Ga Furu): Composition for Percussion, Live Electronics, and Video”
Daniel Yellin (Jacob David Sudol)

Ame Ga Furu translates as “It Rains.”
This composition for percussion, live electronics, and video combines Glitch music with the aesthetics of Wabi Sabi, the Japanese philosophy of “beauty within imperfections.” Both conventional and imperfect instruments, such as wine bottles, tin cans, and frying pans, are used to expand the sonic resources of this composition. Inspired by Glitch music, this composition uses computer software to manipulate sounds in order to create novel sonic elements. In representing the ideas of Wabi Sabi, the objects and spaces within the images feature weather and time as their prominent features. These bring together the various metaphysical and poetic ideas of this piece.

Session G
3:00 PM – 4:00 PM

East Ballroom
Biology Research I
Chair: TBA

1. Adriana Prado (Jeremy Chambers)
“Evaluation of Hepatotoxicity and Neurotoxicity of the Anti-nerve Agent Novel Therapeutic Oxime, K-027”

2. Manuel Borobia Sanchez (Lidia Kos)
“Role of Endothelin 3 in melanoma growth and metastasis”

3. Ameer Quadri (Helen Tempest)
“Investigation of UV Damage upon Genome Organization in Human Lymphocytes”

4. Samar Saliba (Manuel Alejandro Barbieri)
“Effects of Rabex-5 on Neurogenesis”
Center Ballroom  
Philosophy / Political Theory  
Chair: TBA

1. Lucas Miranda (Sean Noah Walsh)  
“Deconstruction of Spirit”

2. Gloriya Lasa (Sean Noah Walsh)  
“Natural Consumerism”

3. Javier Hernandez (Alan F. Gummerson)  
“An Analysis of the European Sovereign Debt Crisis”

West Ballroom  
Engineering  
Chair: TBA

1. John Goolcharan (Anthony McGoron)  
“Design Improvements to Improve Raman Spectroscopy”

2. Andira Ramos (Joerg Reinhold)  
“Modifying RICH Detectors for Lower Cost and Higher Collection Efficiency”

3. Mark Stone (Sahkrat Khizroev)  
“Nanotechnology: Fabrication of Magnetic Tunnel Junction”

GC 140  
ENRICH Sweetwater  
Chair: Cecile Houry, Community Engagement

This panel focuses on a seminar launched in Fall 2011 by the Honors College. Engaged Research in the Community Through Honors (ENRICH) uses a service-research approach to address some of the social, cultural, economic, political, environmental, educational, and health issues faced by the City of Sweetwater and its residents. Ten students selected topics related to their majors and interests. Working with university faculty members or administrators, city officials, non-profit leaders, and/or corporate agents, the students designed creative solutions to problems and implemented them.

Participants:
1. Kyrsten Alvarez-Basulto  
“Living a Healthy Lifestyle in Sweetwater”


3. Erick Camacho  
“Technological Enhancement for the Sweetwater Elementary School”

4. Jonathan Michanie  
“Crime Rates in an Expanding City”

5. Javier Navas  
“From Small Town to College City: The Impact of Small Business in Sweetwater”

6. Paul Nuñez  
“Saving Money and Energy in Sweetwater”
Session H
4:00 PM – 5:00 PM

East Ballroom
Life Sciences II
Chair: Yosvanis Acanda, University of Vigo

1. Andrew Zamora (Sian Evans and Phillip Stoddard)
   “Do Long-tailed Macaques (Macaca fascicularis) Know What Others Can and Cannot Hear?”

2. Paul Nuñez (Hong Liu)
   “Sex on the Edge: An Orchid’s Story from Limestone Cliffs in Southwestern China”

3. Eric J Martinez (Robert Lickliter)
   “Differential Rearing Effects on the Emotional Reactivity of Bobwhite Quail (Colinus virginianus) Hatchlings”

West Ballroom
Honors College Issues
Chair: Juan Carlos Espinosa, Honors College

1. Omar Leon (Juan Carlos Espinosa)
   “The Middle Circle: Integrating Knowledge and Ideas”

2. Orlando Crespo (Juan Carlos Espinosa)
   “Swarm Epistemology: An Undergraduate Education”

Participants: Students of IDH 2003-2004 “Middle Circle”

Center Ballroom
Physics
Chair: TBA

1. Jonathan Mahadeo (Eric Brewe and Seth M Manthey)
   “Regression analysis exploring teacher impact on student FCI post scores”

2. Macarena Sagredo (Jörn Wilms and Victoria Grinberg)
   “Angle Dependency on INTEGRAL: A Study of Satellite Through Cygnus X-1 and GRS 1915+105”

3. Lauren Perez (Birger Back)
   “Upgrades to the Helical Orbit Spectrometer”

GC 140
FIU/FAU Student Roundtable on Undergraduate Research
Chair: Juan Carlos Espinosa (FIU) and Donna Chamely-Wiik (FAU)
Session I
9:00 AM – 10:00 AM

East Ballroom
Chemistry
Chair: TBA

1. Heysell Ortiz (Stainslaw Wnuk)
“6-N-Ureidoadenosine Analogues as Potential Inhibitors of Nucleoside Transport”

2. Ana Villegas (David Becker)
“Mitochondria Targeting Nitrone Antioxidants to Treat Degenerative Diseases”

Center Ballroom
Political Science
Chair: TBA

1. Cindy Hoskin (Dexter Lehtinen)

2. Anjalie Sukhwa (Mary Lou Pfeiffer)
“Should the Federal Government Legalize a Tax on Sugar?”

3. Gabriel Perez (Abdy Javadzadeh)
“Diminishing Corporate Influence in America”

4. Shaelina Holmes (Marcie Washington)
“The Intensity of Ideological Extremism: Shifting into a Post-9/11 World”

West Ballroom
Medical / Clinical
Chair: TBA

1. Luis Santieseban (Jeremy Pettit)
“Neuroprotection and Identification of both Acute and Chronic Neurodegenerative Factors”

2. Ashley Diaz (Jeremy Chambers)
“SAB-mediated Signaling Initiates Mitochondrial Dysfunction in an In Vitro Model of Adipocyte Aging”

3. Robert Alfaro (Mark Rossi)
“Pre-surgical Limb Strength Asymmetry for Total Knee Arthroplasty”
Session J
10:00 AM – 11:00 AM

East Ballroom
Computer Science
Chair: TBA

1. Max Schneiderman (Nezih Pala)
"THz-Range Fourier Transform Spectroscopy"

2. Sebastian Zanlongo (Xudong He)
"Verifying Robotic Drilling System via Petri Nets"

3. Carolina Alvarez (Oren Dale Williams)
"Defining and Assessing Data Management Software System Features in Relation to Proper Research"

Center Ballroom
Business
Chair: Jose Gabilondo, Law

1. Tatiana Medina (Seema Pissaris)
"Eco-tourism at Hato La Aurora"

2. Ana V. Peralta (John Tsalikis)
"The Effects of Priming on Business Ethical Perceptions: A Comparison between Two Cultures"

3. Nebojsa Zlatic (Marcelo Alvarado Vargas)
"The Actual vs. Assumed Goal of a Manufacturing Organization Linked with the Intrinsic Order of Ongoing Processes, Statistical Fluctuations, and the Theory of Constraints"

West Ballroom
Biology Research II
Chair: TBA

1. Vivianna Zaila (Jeremy Chambers)
"Over-expression of a Kinase Anchoring Protein 1 on the Mitochondria Affects Cell Signaling and Metabolic Pathways Promoting Cell Viability and Growth in Hela Cells"

2. Damien Zreibe (Ophelia Weeks)
"Possible Therapeutic Model for Slowing Down the Process of Alzheimer’s Disease Based on Gene Expression Analysis"

3. Jonathan Hernandez (Jennifer Richards)
"Dauciform Root Production in Sawgrass Sedges"

4. Karen Jorge (Lidia Kos)
"Role of Endothelin Signaling in a Nucleotide Excision Repair Deficient, UV-induced Melanoma (Mouse Model)"
Session K
11:00 AM – 12:15 PM

East Ballroom
“(W)righteous” Creative Non-fiction Seminar
Chair: Elizabeth Hanly, Honors College

Participants:
Gala Balaguer
Gabriela Guadalupe
Gabriela Solis
Kimberlee DeKrey
Cheslie Mora
Alex Suarez
Sahar Naqvi

Center Ballroom
No Session

West Ballroom
TBA
Chair: TBA

1. TBA
2. TBA
3. TBA

Session L
12:15 PM – 2:00 PM

Center Ballroom
ARCH 2013 LUNCHEON

Welcome, Lesley A. Northup, Dean of the Honors College
Keynote Address, Lakshmi Reddi, Dean of the University Graduate School

Session M
2:00 PM – 3:00 PM
East, Center, and West Ballrooms
Poster Session