Tuesday, March 18
FIU Graham Center Ballrooms

Session A
9:00 AM – 10:00AM

East Ballroom
Political Science
Chair: TBA

1. Jessica Marin (Astrid Arraras)
   “China in Americas Backyard.”

2. Rachel Stevens (Joaquin Pedroso)
   “Transcendence and Freedom in Social Movements”

3. Sahar Naqvi (Iqbal Akhtar)
   “Shia Genocide: The Ongoing Massacre of the Shia Minority in Pakistan”

4. Arianna Aguilar (Guillermo Grenier)
   “Inquiry into the Existence and Nature of Social Support Networks in the Li’l Abner Mobil Home Park”

Center Ballroom
Mechanical Engineering
Chair: TBA

1. John Goolcharan (Benjamin Boesl)
   “Development of In situ Thermo-Mechanical Testing for Materials”

2. Hugh Pierre (Ibrahim N. Tansel)
   “Can Aerial Drones Be Used to Disarm Landmines”

West Ballroom
Physics

1. Omar Leon (Werner U. Boeglin)
   “Charge fusion product trajectory simulations”

2. Carlos Lopez, (Werner U. Boeglin)
   “Charged fusion product detector efficiency study”

3. Adrianna Angulo (Werner U. Boeglin)
   “Energy Loss of Alpha Particles through Matter”
Session B
10:00AM – 11:00 AM

East Ballroom
Psychology
Chair: TBA

1. Melissa Cruz (Lindsay Malloy)
   “Bullying Experiences and False Confessions to Protect a Peer”
2. Andrea Reyes (Stephen Charman)
   “Examining the Accuracy of Alibi Corroborators”
3. Marcela Ramos (Shannon M. Pruden)
   “Perceived gender role: A predictor of adult mental rotation abilities”
4. Thandi Lyew (Jeremy Pettit)
   “The Influence of Anxiety on Verbal Memory in Multi-racial and Mono-Racial students”

Center Ballroom
Biochemistry
Chair: TBA

1. Andrea Berrido (Fenfei Leng)
   “Develop Flourescence-based Assays to Study DNA Topology and Topoisomerases”
2. Diane Edgar (Stephen Winkle)
   “Probing the Effects of the Binding of Tetra Substituted Porphyrins to DNA on DNA Structure”
3. Nicole Alonso (Fenfei Leng)
   “Establishing DPZ-ELISA to study HMGA2-DNA Interactions”

West Ballroom
Biomedical and Biological Sciences I
Chair: TBA

1. Dorybel Irias (Anthony McGoron)
   “Chemical Analysis of Novel Polymers Being Developed for Cancer Imaging Delivery Applications in Cancer”
2. Aneysis Gonzalez (Jeremy Chambers)
   “The role of SH3BP5 (Sab)-mediated signaling pathway during chemically induced mitophagy in vitro.”
3. Ana Villegas (David Becker)
   “Mitochondria Targeting Nitrone Antioxidants To Treat Degenerative Diseases”
4. Daniel Rodriguez (Nikolaos Tsoukias)
   “Analysis of Ion Channel Gene Expression in Rat Aortic Smooth Muscle Cells”
Session C
11:00 AM - 12:00 PM

East Ballroom
Business
Chair: TBA

1. Juan Alderete (Karen Paul)
   “Identifying The Degree Of Influence Companies Have Over One Another”
2. Elisabeth Sanchez (Frederick Perry)
   “Aviation Nations”
3. Bernando Castro (Alan Gummerson)
   “Analysis and Best Response to the U.S. Crisis of 2008”
4. Jean-Carlos Pena (Abhijit Barua)
   “Earnings Management and Manipulation: How do Managers and Employees' Incentive Compensation Programs affect Financial Statements?”

Center Ballroom
McNair Fellows
Chair: TBA

West Ballroom
Physical Therapy
Chair: TBA

1. Sahar Fatima (Yerko Berrocal)
   “Is Physical Therapy the Optimal Treatment for Paralysis?”
2. Juan Loayza (Ranu Jung)
   “Assessing Gait and Balance measures during Prosthesis Adaptation and Rehabilitation in Below-Knee Amputees.”
3. Robert Alfaro (Mark Rossi)
   “Muscular Strength Asymmetry Between Knee Flexor and Extensor Muscles”
Session E

1:00 PM – 2:00 PM

East Ballroom
No Session

Center Ballroom
Earth & Life Sciences
Chair: TBA

1. Alejandro Garcia (Michael Sukop)
   “Groundwater Flow and Saltwater Intrusion in Miami-Dade County”

2. Valeria Paz (Michael Heithaus)
   “Stable Isotope Ecology in The Everglades”

3. Christine Joelle Pardo (Audrey Barker-Plotkin)
   “Exploring soil carbon stocks and historical land use practices in long-term plots at Harvard Forest”

West Ballroom
Biomedical and Biological Sciences II
Chair: TBA

1. Manuel Borobia Sanchez (Lidia Kos)
   "The effect of Doxycycline hyclate treatment on Edn3-dependent novel mouse melanoma model"

2. Ricardo Villasmil (Lidia Kos)
   “Effects of Endothelin 3 in Tumor Angiogenesis and Hypoxia in a Melanoma Mouse Model”

3. Chavely Valdes Sanchez (Irina Agoulnik)
   “Orphan Nuclear Receptor, DAX-1, is a Potential Target for Cancer Therapy”

4. Jessica Delgado (Anthony McGoron)
   “90Y-DOTA-CHS Microsphere for Liver RMT”
Session F
2:00 PM – 3:00 PM

East and West Ballrooms
Poster Session

1. Jessica Marin (Astrid Arraras)
   “China in Americas Backyard.”

2. Rachel Stevens (Joaquin Pedroso)
   “Transcendence and Freedom in Social Movements”

3. Sahar Naqvi (Iqbal Akhtar)
   “Shia Genocide: The Ongoing Massacre of the Shia Minority in Pakistan”

4. Arianna Aguilar (Guillermo Grenier)
   “Inquiry into the Existence and Nature of Social Support Networks in the Li’l Abner Mobile Home Park”

5. John Goolcharan (Benjamin Boesl)
   “Development of In situ Thermo-Mechanical Testing for Materials”

6. Hugh Pierre (Ibrahim N. Tansel)
   “Can Aerial Drones Be Used to Disarm Landmines?”

7. Omar Leon (Werner U. Boeglin)
   “Charge fusion product trajectory simulations”

8. Carlos Lopez, (Werner U. Boeglin)
   “Charged fusion product detector efficiency study”

9. Adrianna Angulo (Werner U. Boeglin)
   “Energy Loss of Alpha Particles through Matter”

10. Melissa Cruz (Lindsay Malloy)
    “Bullying Experiences and False Confessions to Protect a Peer”

11. Andrea Reyes (Stephen Charman)
    “Examining the Accuracy of Alibi Corroborators”

12. Marcela Ramos (Shannon M. Pruden)
    “Perceived gender role: A predictor of adult mental rotation abilities”

13. Thandi Lyew (Jeremy Pettit)
    “The Influence of Anxiety on Verbal Memory in Multi-racial and Mono-Racial students”

14. Andrea Berrido (Fenfei Leng)
    “Develop Fluorescence-based Assays to Study DNA Topology and Topoisomerases”

15. Diane Edgar (Stephen Winkle)
    “Probing the Effects of the Binding of Tetra Substituted Porphyrins to DNA on DNA Structure”

16. Nicole Alonso (Fenfei Leng)
    “Establishing DPZ-ELISA to study HMGA2-DNA Interactions”

17. Dorybel Irias (Anthony McGoron)
    “Chemical Analysis of Novel Polymers Being Developed for Cancer Imaging Delivery Applications in Cancer”

18. Aneyis Gonzalez (Jeremy Chambers)
    “The role of SH3BP5 (Sab)-mediated signaling pathway during chemically induced mitophagy in vitro.”

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

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

21. Juan Alderete (Karen Paul)
    “Identifying The Degree Of Influence Companies Have Over One Another”

22. Elisabeth Sanchez (Frederick Perry)
    “Aviation Nations”

23. Bernando Castro (Alan Gummerson)
    “Analysis and Best Response to the U.S. Crisis of 2008”

24. Jean-Carlos Pena (Abhijit Barua)
    “Earnings Management and Manipulation: How do Managers and Employees’ Incentive Compensation Programs affect Financial Statements?”

25. Sahar Fatima (Yerko Berrocal)
    “Is Physical Therapy the Optimal Treatment for Paralysis?”

26. Juan Loayza (Ranu Jung)
    “Assessing Gait and Balance measures during Prosthesis Adaptation and Rehabilitation in Below-Knee Amputees.”

27. Robert Alfaro (Mark Rossi)
    “Muscular Strength Asymmetry Between Knee Flexor and Extensor Muscles”
Session G
3:00 PM – 4:00 PM

East Ballroom
Biomedical Engineering
Chair: TBA

1. Angie Estrada (Sharan Ramaswamy)
   “Identifying Ideal Graphene Content in Silicone for Elastomeric Composite Valve Development”

2. Anthony Giordano (Wei-Chiang Lin)
   “Data Analysis on the Effect of Pilocarpine in Rats and their Effects in a Maze”

3. Lashawnta Goss (Wei-Chiang Lin)
   “Calibration of a Spectroscopy Imaging System for Intraoperative Brain Tumor Demarcation”

4. Suset Rodriguez (Anuradha Godavarty)
   “Detection Limits of Stimulated Tumors in Healthy Breast Tissues Using a Hand-Held Near-Infrared Optical Scanner (NIROS)”

Center Ballroom
ENRICH Sweetwater Panel Discussion
Chair: Cecile Houry, Stempel College of Public Health & Social Work

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.

1. Ryan Fajet “Healthy & Affordable Child Care Option for Low-Income Families in Sweetwater”
2. Stephanie Wietrzychowski, Stephanie Castaneda, “Student Motivation at the Sweetwater Elementary School”
3. Nusrat Mosharraf, Roxana Vargas, “The Impact of School Environment on Teachers’ Motivation at Sweetwater Elementary”

West Ballroom
Chemistry
Chair: TBA

1. Grethel Miro (David Becker)
   “Optimization of the Synthesis of AZN”

2. Kenneth Riggott (David Becker)
   “The Assessment of Azulenyl Nitrone as a Dosimeter for Gamma Radiation Sterilization of Healthcare Products”

3. Kelley Dages (Fenfei Leng)
   “Activating the Leu-500 Promoter by Divergently Coupled Transcription on E. Coli Chromosome”
Wednesday, March 19, 2014
FIU Graham Center Ballrooms

Session A
9:00 AM – 10:00 AM

East Ballroom
Computer Science
Chair: TBA

1. Michel Angelo Roger (Ming Zhao)
   “Flash Caching for Big-data Systems”

2. Genesis Vasquez (George Dulikravich)
   “Finding Joint Friction Factors in Microchannels through Computer Simulation”

3. Ernesto Surribas (Shu-Ching Chen)
   “Big-Data Computing”

Center Ballroom
Arts & Humanities
Chair: TBA

1. Solangel Rodriguez (Gretchen Scharnagl)
   “Everyglades Art as a Subversive Activity”

2. Juan Carlos Nobrega (Jacob Sudol)
   “Emotional Response to Differing Musical Structures Through Qualitative and Quantitative Analyses.”

West Ballroom
No Session
Session B  
10:00 AM – 11:00 AM

East Ballroom  
Health  
Chair: TBA

1. Juliana Nunez (Leonard Elbaum)  
   “Development of a Method to Evaluate Eye, Head, and Trunk Coordination During Target Tracking Tasks”

2. Patricia Araujo (Charmaine DeFrancesco)  
   “Degree of Nutritional Knowledge and the use of Nutritional Supplements: How are they related?”

3. Lazaro Mesa (Deodutta Roy)  
   “Designing small hairpin sequences to knockdown expression of LMO2 in breast cancer stem cells”

4. Liana Apolis (Kalai Mathee)  
   “Inhibition of Quorum Sensing by Bucida buceras in Conjunction with Antibiotics to Attenuate Virulence in Pseudomonas aeruginosa.”

Center Ballroom  
Model United Nations Program - World Issues Forum  
Chair: Mark Hodgson

West Ballroom  
Biomedical and Biological Sciences III  
Chair: TBA

1. Nicole Millan (Helen Tempest)  
   “Nuclear Organization of Telomeres and Centromeres in Human Sperm”

2. Amanda Vaccarella (Helen Tempest)  
   “Assessment of Gene Re-Positioning in Human Lymphocytes Due to Genotoxic Agents”

3. Jacob Bruno-Friedman (Jaime Theobald)  
   “The effect of self-initiated thrust on forward optical flow tolerance during fly flight”
**Session C**  
**11:00 AM – 12:00 PM**

**East Ballroom**  
CARTA Fellows  
Chair: TBA

1. Kelley Taksier (Jacek J. Kolasinski)  
"Orality and Dialogism as Methods in Art History: Anne Noggle's Portraits of Soviet Airwomen"

2. Paula Calvo (Jacek J. Kolasinski)  
"Contemporary Self-Portraiture: The Rise of Selfies"

3. Daniel Herrero (Steven Sahoen)  
"Hastening the Work Culture Analysis of Missionary Blog and Culture"

4. Angelica Mendez (Dr. Colleen Malachowski)  
"Beauty and the Beast: A Tale of Two Sides"

**Center Ballroom**  
No Session

**West Ballroom**  
Education

1. Daniella Blagoeva (JuanCarlos Espinosa)  
"The Alternative of the Middle Circle."

2. Jose Dos Santos (JuanCarlos Espinosa)  
"Integration of Knowledge: Theory and Implication of holistic development."

3. Joliette Re (M.O. Thirunarayanan)  
"FIU MOOCS- a student's experience with online learning"

4. Alexandra Cuadra (Consuelo Boronat)  
"Determining which placement tool is best for students entering calculus 2 and 3"

**Session D**  
**2:00PM – 3:00 PM**  
East and West Ballrooms  
Poster Session
Session E
3:00 PM – 4:00 PM

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

Center Ballroom
Animals & Humans
Chair: Gretchen Scharnagl

Panelists: Jennifer Jackson, Tracy Campbell, Kassandra Monzo, Jacquelyn 'JJ' Moultrie

Posters:
Madiha Ahmed
Sabrina Alfonso
Jesus Barroso
Tracy Campbell
Jose Carvajal
Jesley Centeno
Daniela Florit
Daniel Garcia
Karen Granja
Luisa Isla
Alex Ramos
Jennifer Jackson
Ketialie Laroche
Bethany Burkhart and Carlos Schmidt

West Ballroom
Honors College Everglades Course Panel Discussion
Chair: Peter Machonis, Modern Languages

Panelists: Raul A. Alvarez, Marlon Bello, Cristina Brador, Virginia Dillon, Carla Murador, Nicolas Polignan

Poster Participants:
1. Raul A. Alvarez
   “(Un)Damming the Everglades: a History of the Tamiami Trail (1920-Present)”
2. Marlon Bello
   “A Change in Perception: Misunderstanding the Everglades”
3. Cristina Brador
   “Engaging the Everglades Visitor”
4. Stephanie Bortz
   “Hoover Dike: the Invisible Barrier”
5. Virginia Dillon
   “Everglades Restoration: Economic Bust or Boom”
6. Natalie Carabeo
   “Feeding the Monster: Creating Animal Criminality in the Everglades”
7. Raul A. Guzman
   “Flooding the Future: the Everglades in Climate Change”
8. Geraldine Lopez
   “Selling the Everglades: Advertisements Then and Now”
9. Carla Murador
   “Everglades Exposed: the Truth behind Modern American Indians”
10. Tina Nguyen
    “Destruction in the Everglades”
11. Nicolas Polignan
    “Everglades Engineering 101”
12. Tatiana Torres
    “Alligators and Natives: Everglades Residents or Florida Celebrities”