Undergraduate Winners

Biology/Medical
1. **Alejandra Mendoza** - Augmentation of Tissue Engineered Entereocytes by Bone Marrow Derived Mesenchymal Stem Cells
2. **Hiba Hammad** - Analysis of TS Gene Expression and the Polymorphic Status in Various Cell lines
3. **Dalal Eldick** - Estrogen/Estrogen Receptor Activation contributes to the Progression of Pulmonary Lymphangioleiomyomatosis via MMP-induced Cell Invasiveness

NeuroScience
1. **Sanaa Bhatty** - Axon Formation Requires JNK, but Does Not Appear to Require PI3 Kinase or GSK-3beta
2. **Ansel Amaral** - Chaperone Balance Modulates Polyglutamine Induced Toxicities in a Yeast Model of Huntington’s Disease
3. **Stephanie Glass** - Modification of the Extracellular Matrix as Modulated Through the Transforming Growth Factor-Beta Signaling Pathway Following Acute Retinal Ischemia/Reperfusion Injury

Engineering/Sciences
1. **Jonathan Armstrong** - Transformers as Signal Transducers in TES Microcalorimeters
2. **Vicky Rivas** - Amyloid Formation by Poly-L-lysine
3. **Marianne Sacasa** - Controlled delivery of bFGF and G-CSF from ionic gelatin-based hydrogels

Education/PH
1. **Elizabeth Skidmore** - Acute Effects of Whole Body Vibration on Vertical Jump Performance and Related Muscle Activity
2. **Carmen Casas** - Personality Traits in Latin Mothers of Children with Disruptive Behavior

Psychology
1. **Harry Madhanagopal** – Relationship Between Natural Killer Cells and Psychosocial Factors
2. **Brittany Lambert** - Gaze Patterns of Infants At-Risk for Autism Spectrum Disorders
3. **Barbara M. Sorondo** - Maturing Thalamocortical Connections Impede Learning in Sleeping Infants

RSMAS
1. **Elizabeth Crompton** - Spatial, Temporal, and Vertical Distribution of Larvaceans Across the Straits of Florida
2. **Paige Roberts** - Temporal Patterns of Abundance and Diversity of Larval Stomatopods in Barbados, West Indies
3. **Benjamin West** - MTBE as a Tracer for Asian and Mexican Megacity Emissions
Artistic
1. Abraham Alucio –  
2. Ross Evans – *Apocalyptic Revelations: A Comedy of Epic Proportion*  
3. Angel Lopez -  

Graduate Winners

Engineering
1. Noel Ziebarth - *Elastic properties of whole cadaver primate crystalline lenses assessed by Atomic Force Microscopy*  
2. Daniela Bogorin - *Developing fully integrated TES microcalorimeters using Ir TES and Sn absorbers*  
3. Omer Kocaoglu - *Comparison of C57Bl/6 Mouse Retinal Thickness Measured Using Optical Coherence Tomography and Histology*  

Neuroscience
1. Juan Pablo de Rivero Vaccari - *Spinal Cord Injury Activates the NALP1 Inflammasome in Neurons, and ASC Neutralization Improves Histopathological and Behavioral Outcomes*  
2. Jeffrey Ackerman - *Symmetry of Corneal Hysteresis in Relation to Intra-Ocular Pressure and Central Corneal Thickness*  

Medica/Biology
1. Pavanapuresan Vaidyanathan - *RLUD, a Highly Conserved Pseudouridine Synthase, Modifies 23S RNA at a Late Stage in the Assembly of the 50S Ribosomal Subunit*  
2. Tanya Hawley - *Cannibalism in neotropical tree frog tadpoles*  
3. David Matlaga - *The influence of light availability on the production and performance of sexual and clonal offspring in the Neotropical herb Calathea marantifolia*  

Artistic Field
1. Megan McLaughlin - *Sheltering Connections: Reversing the Role of I-95 in Miami*  
2. Karla Turcios - *Hand painted Advertisement in Miami as Indicators of Change during Gentrification*  
3. Park McArthur - *My Education*  

Psychology
1. Lara Traeger - *Cortisol Mediates the Relationship between Stress Management Skills and Prostate-Specific Antigen (PSA) Level among Men Treated for Prostate Cancer*  
2. Olga Moas - *Individual Differences and Developmental Change in the Associations between Temperament and Social Behavior in Early Childhood.*
3. **Caley Schwartz** - Temperament and Self-Monitoring in High-Functioning Children with Autism

**RSMAS**
1. **Joel Llopiz** - Trophodynamics of larval billfishes and tunas: Are the constraints of the low-latitude open ocean actually constraining?
2. **Amanda Waite** - Utilizing Coral Skeleton Geochemistry to Reconstruct Caribbean Salinity Changes Over Time
3. **Kelly L. Jackson** - Comparative Sedimentology and Geochemistry of Recent and Ancient Tsunami Deposits in Karagan Lagoon, Sri Lanka

**Education/Sociology**
1. **Michel Miller** - Administrator Support of Special Education Teachers: Defining It and Measuring It
2. **Michael Weiss** - Religiosity and HIV-Related Risk Behaviors among Heroin Injectors
3. **David Edwards** - The effect of selective stretching of the agonist and antagonist muscles on power output.

**English/Paper**
1. **Camilla Hileman** - A New Cognitive Perspective: The Revised Componential Model of Autism
2. **Ann Marie Alfonso-Forero** - Elizabeth Nunez’s Beyond the Limbo Silence: A Novel of Transnational Development
3. **Carmen Ruiz-Castaneda** - Playing Conquistador and Searching for El Dorado in Alejo Carpentier’s *The Lost Steps* and Derek Walcott’s *Omeros*