

## Oral Presentation Winners

### Category: Basic Sciences

#### First Place

"Lanthanide Induced Aggregation of Mercaptobenzoic Acid-Functionalized Gold Nanoparticles"

Alexander Santana, Luizetta Navrazhnykh, Maria Martinez, Aida Sarita Gonzalez, Xiu Mei-Chu and **Daniel de Lill**  
Charles E. Schmidt College of Science

#### Second Place

"Progress Toward Synthesis of Glycopeptide Libraries Based on MUC1 Protein"

Eric Patino and **Mare Cudic**  
Charles E. Schmidt College of Science

### Category: Behavioral, Educational, & Social Sciences I

#### First Place

"Effects of Bilingualism and Language Dominance on the Production and Perception of Speech Sounds"

Brandy McElroy-Wright, Ana Galdamez and **Viktor Kharlamov**  
Dorothy F. Schmidt College of Arts and Letters

#### Second Place

"The Effects of Situations on Emotion and Personality Expression"

Andrew Blake, Nicolas Brown and **Ryne Sherman**  
Charles E. Schmidt College of Science

### Category: Behavioral, Educational, & Social Sciences II

#### First Place

"A Student-Driven Approach to Assessing Computer Science and Computer Engineering Students"

Nadeen Saleh and **Lofton Bullard**  
College of Engineering & Computer Science

#### Second Place

"Polarized Poll Responses: Telephones vs. Internet"

Ryan Gondek, Monique Hall and **Monica Escaleras**  
College of Business

### Category: Environmental, Ecological, & Marine Sciences:

#### First Place

"Differences in Submerged Walking and Swimming Kinematics of the Epauvette Shark (*Hemiscyllium ocellatum*)"

Andrea Hernandez, Connor Gervais, Jodie Rummer and **Marianne Porter**  
Charles E. Schmidt College of Science

#### Second Place

"A Comparative Survey of *Gopherus Polyphemus* Hemoparasites in Four Different South Florida Habitats"

Brian Cooney, Dana Elhassani and **Evelyn Frazier**  
Charles E. Schmidt College of Science

**Category: Health and Medical Sciences:**

First Place

"Increased CHI3L1 Levels due to Pre-Existing Pulmonary Inflammation Accelerates Breast Cancer Metastasis by Establishing a Pre-Metastatic Niche in the Lungs"

Nathalia Gazaniga, Stephanie Libreros, Camilla Castro, Ramon Garcia-Areas and **Vijaya Iragavarapu-Charyulu**

Charles E. Schmidt College of Medicine

Charles E. Schmidt College of Science

Second Place

"Inhibition of Semaphorin7A Decreases Mammary Tumor Growth and Metastasis"

Michael Simoes, Ramon Garcia-Areas, Nathalia Gazaniga and **Vijaya Iragavarapu-Charyulu**

Charles E. Schmidt College of Medicine

Charles E. Schmidt College of Science

**Category: Music, Art, Literature, Theater, History, & Philosophy:**

First Place

"Self-Realization to Self-Sacrifice: A Gender Based Shift in Adolescent Search for Identity within Young Adult Fantasy Literature"

Jodi Weissman and **Elizabeth Swanstrom**

Dorothy F. Schmidt College of Arts and Letters

Second Place

"Performing Shakespeare in Original Pronunciation"

Lydia Nigro and **Kathryn Johnston**

Dorothy F. Schmidt College of Arts and Letters

**Poster Presentation Winners**

**Category: Basic Sciences**

First Place

"Methionine Sulfoxide Reductase Expression in Response to Anoxic Stress Conditions in *D. melanogaster*"

Evgeniya Rakitina and **David Binner**

Charles E. Schmidt College of Science

Second Place

"Three-Dimensional Anatomical and Functional Analysis of Individual Layer 5 Thalamic Projecting Excitatory Neurons in the Rat Somatosensory Cortex"

Trina Rudeski, Gerardo Rojas-Piloni, Marcel Oberlaender, Mike Guest and **Julie Earles**

Harriet L. Wilkes Honors College

**Category: Behavioral, Educational, & Social Sciences:**

First Place

"Steroid Usage Among College Athletes: A Comparison of Public and Private Four-year Institutions"

Daniel Castilla, Marlena Coco and **Frankie Laanan**

College of Education

Second Place

“Alcohol Consumption Habits among Acculturated Latin Americans”

Debora Ferrato and **Monica Rosselli**

Charles E. Schmidt College of Science

**Category: Business, Marketing, Public Administration, & Finance:**

First Place

“Death Spiral Financing”

Alina Marian and **Cheryl Arflin**

College of Business

Second Place

“Aesthetic, Functional, Symbolic, and Ergonomic Impressions: Implications for Hoverboard Product Design Form”

Hunter Smith, Katherine Llanos, Danielle Gordon and **Allen Smith**

College of Business

**Category: Classroom Research Assignment/Project:**

First Place

“Treatment Options for Mesial Temporal Lobe Epilepsy”

Blanca Melero and **Angelica Nevin** (SLS Instructor)

Charles E. Schmidt College of Science

Second Place

“An Examination of Wildlife Crime on the Treasure Coast: Do Crime Detection Rates Differ on “Conservation Lands?””

Kelsey Doyle and **Tobin Hindle**

Charles E. Schmidt College of Science;

**Category: Engineering and Computer Science:**

First Place

“Formulating Different Detection Algorithms to Eradicate Invasive Red Lionfish Using an Autonomous Underwater Vehicle in South Florida and the Bahamas.”

Alexis Base and **Allan Phipps**

FAU High School

Second Place

“Utilizing OpenCV for Q-Learning State Space Reduction in Re-Purposed Off-The-Shelf FPV Rovers”

Paul Morris, Marcus McGuire, Shawn Martin, Nicolas Tutuianu, Washington Garcia, **William Hahn** and **Elan Barenholtz**

College of Engineering & Computer Science

**Category: Environmental, Ecological, & Marine Sciences:**

First Place

“Identification of Fauna Associated with Gopherus Polyphemus Burrows”

Laura De Souza and **Evelyn Frazier**

Charles E. Schmidt College of Science

Second Place

“Pathogenic Vibrio Bacteria in Mangrove Snapper Meat”

Brandon McHenry, Gabby Barbarite and **Peter McCarthy**

Charles E. Schmidt College of Science

**Category: Health & Medical Sciences:**

First Place

“Advancing Oral Health with Stable Microbiome: the Search for Potential Oral Probiotic Bacteria”

Roberto Ramirez and **Nwadiuto Esiobu**

Charles E. Schmidt College of Science

Second Place

“Behavioral Sensitization Induced by Cathinones (Bath Salts) in Rats”

Connor Shields, Marni Schlanger, Ibrahim Shokry and **Rui Tao**

Charles E. Schmidt College of Medicine

Charles E. Schmidt College of Science

**Category: Music, Art, Literature, Theater, History, & Philosophy:**

First Place

“Linnaeus and Buffon's Ornithological Methodology During the Age of Enlightenment”

Siddharth Satishchandran and **Sandra Norman**

Dorothy F. Schmidt College of Arts and Letters

Second Place

“Photo Documentary: Equine Assisted Therapies of South Florida”

Charles Pratt and **Sharon Hart**

Dorothy F. Schmidt College of Arts and Letters