



Office of Undergraduate Research and Inquiry

2020 Symposium Winners

Basic Sciences I

- 1st Place Zoey Bowers, College of Science
Faculty Mentors: James Kumi-Diaka and Lyndon West
Presentation Title: *Therapeutic Potential of the Marine Natural Product, Pseudopterosin H, on PC-3 Prostate Cancer Cells*
- 2nd Place Marianthi Karadakis, College of Science
Faculty Mentor: Kate Detwiler
Presentation Title: *Conservation Genetics of Cercopithecus dryas in the Central Congo Basin*

Basic Sciences II

- 1st Place Elizabeth May, College of Science
Faculty Mentor: Diane Baronas-Lowell
Presentation Title: *Analyzing the Antibiotic Activities of a Novel Depsipeptide KTG3 and Two Novel Bacterial Strains*
- 2nd Place Alaina Tillman, College of Science
Faculty Mentor: Randy Blakely
Presentation Title: *Investigation of Serotonergic IL-1R1 in Mediating LPS-Induced Neuronal Activation*

Behavioral, Educational & Social Sciences

- 1st Place (Tie) Emma Szabo, College of Design and Social Inquiry
Faculty Mentors: Renat Shaykhutdinov and Rosemary Rahill
Presentation Title: *Shifting State Policies Towards Ethnic Diversity*
- 1st Place (Tie) Oriana Williams, College of Science
Faculty Mentor: Jack Scott
Presentation Title: *A Survey of Law Enforcement Officers and their Knowledge of, and Contacts with, Persons with Autism Spectrum Disorder*

Behavioral, Educational & Social Sciences (continued)

2nd Place Michael Evrard-Vescio, College of Arts and Letters
Faculty Mentor: Dukhong Kim
Presentation Title: *Does Negative Political Advertising have Negative Impacts on Youth Voter Turnout?*

Business, Marketing, Finance & Public Administration

1st Place (Tie) Ashley Alvarez, College of Business
Co-presenter: Andrew Irizarry
Faculty Mentor: C.M. Sashi
Presentation Title: *Sprint and T-Mobile Merger*

1st Place (Tie) Juan Torres, College of Business
Co-presenter: Daniel Ortiz
Faculty Mentors: Monica Escaleras and Eric Levy
Presentation Title: *The Great Dollar Divide*

2nd Place (Tie) Prema Dayal, College of Business
Co-presenter: Tanvi Vaidya
Faculty Mentors: Monica Escaleras and Eric Levy
Presentation Title: *Alienating the Alien*

2nd Place (Tie) Paloma Rossano, College of Business
Co-presenter: Lisa Champion
Faculty Mentors: Monica Escaleras and Eric Levy
Presentation Title: *Varying Incomes, Varying Overpopulation Perceptions*

Engineering

1st Place Victor Zauder, College of Engineering and Computer Science
Co-presenters: Alexis Base, Isaiah Philippe, Miguel Cruz Santos, and Tahj Laguerre
Faculty Mentor: Elan Barenholtz
Presentation Title: *Lionfish Solutions*

2nd Place Tahir Farrukh, College of Engineering and Computer Science
Co-presenter: Mohammadhassan Kavosi
Faculty Mentor: Myeongsub Kim
Presentation Title: *Algae Separation Techniques for Bio-Fuel Purposes*



Environmental, Ecological & Marine Sciences

- 1st Place Delanie Kirwan, College of Science
Faculty Mentor: Marianne Porter
Presentation Title: *Predator-Prey Swimming Kinematics of *Sphyrna mokarran* and *Carcharhinus Limbatus**
- 2nd Place Alexander Shaw, College of Engineering and Computer Science
Co-presenter: Abhishek Ratanpara
Faculty Mentor: Myeongsub Kim
Presentation Title: *Utilization of Ocean Water and Nickel Nanoparticles for Co2 Capture via Amine Scrubbing*

Health & Medical Sciences

- 1st Place Genesis Acosta Laguer, College of Science
Co-presenters: Faika Ambrin, Javoncia Betty, and Magdalah Philemy
Faculty Mentor: James Kumi-Diaka
Presentation Title: *Investigating the Anticancer Effects of Puromycin and Blastidicine Antibiotics on Prostate Cancer Cells*
- 2nd Place Gary Drotleff, College of Science
Faculty Mentors: Gregg Fields and Anna Knapinska
Presentation Title: *Effects of MT1-MMP in 3D Cancer Models*

Music, Art, Literature, Theater, History & Philosophy

- 1st Place Alyssa Payne, Honors College
Faculty Mentor: Carmen Cañete Quesada
Presentation Title: *Personal Identity within Mariano Vinuales's Literature: Family, Politics, and Isolation Amidst the Spanish Civil War (1936-1939)*
- 2nd Place Jessica Olivier, College of Arts and Letters
Faculty Mentor: Brian McConnell
Presentation Title: *Analysis of Archaeological Remains at Tre Portelle (Mineo, Sicily)*