



Office of Undergraduate Research and Inquiry

2024 Oral/Performing Arts Symposium Winners

Basic Sciences

- 1st Place **Student Presenter:** Gustavo Mundim, Charles E. Schmidt College of Science
Faculty Mentor: Mare Cudic, Charles E. Schmidt College of Science
Presentation Title: *Deciphering the Role of APP O-glycosylation in the Pathogenesis of Alzheimer's Disease*
- 2nd Place **Student Presenter:** Seymour Haque, Charles E. Schmidt College of Science
Faculty Mentor: Deguo Du, Charles E. Schmidt College of Science
Presentation Title: *Attenuating Oxysterol-Mitigated A β -Peptide Aggregation with Cationic Arginine Rich Mimetic Peptides*

Behavioral, Educational & Social Sciences

- 1st Place **Student Presenter:** Isabella Klopukh, Charles E. Schmidt College of Science
Faculty Mentor: Kevin Darby, Charles E. Schmidt College of Science
Presentation Title: *Timing is Everything: Effects of Temporal Delay of Confidence Judgments in Memory Decision-Making*
- 2nd Place **Student Presenter:** Shania Grant, Dorothy F. Schmidt College of Arts and Letters
Faculty Mentor: Cassandra Atkin-Plunk, College of Social Work and Criminal Justice
Presentation Title: *Examining the Impact of Racial Attitudes on the Public's Support for Reentry Initiatives*

Business, Marketing, Finance & Public Administration

- 1st Place **Student Presenter:** Adin Garbowit, College of Business
Faculty Mentors: Eric Levy, College of Business
Monica Escaleras, College of Business
Presentation Title: *Tailored Temptations: Your Take on Personalized Advertising*
- 2nd Place **Student Presenter:** Vedaant Mutha, College of Business
Faculty Mentors: Eric Levy, College of Business
Monica Escaleras, College of Business
Presentation Title: *Healthcare Accessibility: Bridging the Gaps Towards Better Health*

Cross Disciplinary Projects

- 1st Place **Student Presenter:** Pranav Jambulingam, College of Business
Faculty Mentors: Eric Levy, College of Business
Monica Escaleras, College of Business
Presentation Title: *The Public Perception of AI Integration in Healthcare: A Survey Study on US Citizens*



- 2nd Place **Student Presenter:** August Stone, Dorothy F. Schmidt College of Arts and Letters
Faculty Mentor: Meredith Ellis, Dorothy F. Schmidt College of Arts and Letters
Presentation Title: *Osteobiography of Skeletal Remains Found in Palike di Mineo, Sicily*

Engineering

- 1st Place **Student Presenter:** Ayush Gowda, College of Engineering and Computer Science
Faculty Mentors: Daniel Raviv, College of Engineering and Computer Science
Juan Yepes, College of Engineering and Computer Science
Presentation Title: *Real-World Relative Moving Object Detection Using a 2D Optical Flow-Based Invariant with RAFT*
- 2nd Place **Student Presenters:** Tyler Owen, Alejandra Vega, Claudia Diaz, Evan Cabrera, and Andrew Gates, College of Engineering and Computer Science
Faculty Mentors: Frederick Bloetscher, College of Engineering and Computer Science
Anthony Abbate, Dorothy F. Schmidt College of Arts and Letters
Presentation Title: *KaBodali Bridge: The Design of Pedestrian Bridges in Rural Communities*

Environmental, Ecological & Marine Sciences

- 1st Place **Student Presenter:** Emma Pawlik, Charles E. Schmidt College of Science
Faculty Mentors: Marianne Porter, Charles E. Schmidt College of Science
Presentation Title: *Wedges Have Edges: Phylogenetic Relationships in Vertebral Morphology of Carcharhiniform Sharks*
- 2nd Place **Student Presenter:** Ani Briggs, College of Engineering and Computer Science
Faculty Mentor: Vivian Merk, Charles E. Schmidt College of Science
Presentation Title: *Observable Structures in the Nanotomography of Mineralized Cartilage in Various Shark Vertebrae*

Health & Medical Sciences

- 1st Place **Student Presenter:** Abhishikta Srigiriraju, Charles E. Schmidt College of Science
Faculty Mentors: Howard Prentice, Charles E. Schmidt College of Medicine
Zhe Zhao, Max Planck Florida Institute for Neuroscience
Presentation Title: *Quantification and Distribution of Leptin Receptor-Expressing Neurons in the Mouse Insular Cortex*
- 2nd Place **Student Presenter:** Hannah Thomas, Charles E. Schmidt College of Science
Faculty Mentors: Lea Sacca, Charles E. Schmidt College of Medicine
Julie Pilitsis, University of Arizona
Presentation Title: *Prevalence of Pain Phenotypes and Co-morbidities of Chronic Pain in Parkinson's Disease*



Music, Art, Literature, Theater, History & Philosophy I

- 1st Place **Student Presenter:** Dakota Darwin, Dorothy F. Schmidt College of Arts and Letters
Faculty Mentors: Regis Fox, Dorothy F. Schmidt College of Arts and Letters
Karina Vado, Dorothy F. Schmidt College of Arts and Letters
Presentation Title: *Sonic Futures: Janelle Monáe's Afrofuturistic Soundscapes of Queer Liberation*
- 2nd Place **Student Presenter:** Arwen Paredes, Dorothy F. Schmidt College of Arts and Letters
Faculty Mentor: Timothy Miller, Dorothy F. Schmidt College of Arts and Letters
Presentation Title: *"Something to Care For": Empathetic Gameplay and Representations of Trauma in Baldur's Gate 3*

Music, Art, Literature, Theater, History & Philosophy II

- 1st Place **Student Presenter:** Sadie Shank, Dorothy F. Schmidt College of Arts and Letters
Faculty Mentor: Evan Bennett, Dorothy F. Schmidt College of Arts and Letters
Presentation Title: *Healing Their Outlook: Female Nurses and Soldiers' Morale During the Civil War*
- 2nd Place **Student Presenter:** Kris Barrios, Dorothy F. Schmidt College of Arts and Letters
Faculty Mentor: Eyal Weinberg, Dorothy F. Schmidt College of Arts and Letters
Presentation Title: *The Civil Rights Movement as a Case Study of Cold War Ideological Suppression*