



FLORIDA ATLANTIC UNIVERSITY

Undergraduate  
Research and Inquiry

## Office of Undergraduate Research and Inquiry

### 2025 Poster People's Choice Award Symposium Winners

#### Session I

- 1<sup>st</sup> Place      **Student Presenters:** Varshini Venkat and Christina Gumbinger, College of Engineering and Computer Science  
**Research or Creative Category:** Engineering  
**Faculty Mentor:** Myeongsub Kim, College of Engineering and Computer Science  
**Presentation Title:** *Sustainable Enhanced Oil Recovery Using Natural Seawater, Industrial Concrete Waste, and CO<sub>2</sub> in Carbonate Reservoirs*
- 2<sup>nd</sup> Place      **Student Presenters:** Matteo Perez and Felipe Salvador, College of Engineering and Computer Science  
**Research or Creative Category:** Engineering  
**Faculty Mentor:** Jasmine Coyle, College of Education  
**Presentation Title:** *Accessible and Modular Underwater Manipulators Utilizing Magnetic Fields*

#### Session II

- 1<sup>st</sup> Place      **Student Presenter:** Koye Guan, Charles E. Schmidt College of Science  
**Research or Creative Category:** Health & Medical Sciences  
**Faculty Mentors:** Claudia Rodrigues, Charles E. Schmidt College of Medicine  
Aline Santana, Charles E. Schmidt College of Medicine  
**Presentation Title:** *Transcriptome Analysis Reveals a Novel Role for Endothelial c-Myc in Sepsis-Induced Cardiomyopathy*
- 2<sup>nd</sup> Place      **Student Presenter:** Hannah Sherman, Christine E. Lynn College of Nursing  
**Research or Creative Category:** Classroom Research Project/Assignment  
**Faculty Mentor:** Candy Wilson, Christine E. Lynn College of Nursing  
**Presentation Title:** *The Effects of Iron Deficiency Anemia on Basic Military Training in Females in the Military*

#### Session III

- 1<sup>st</sup> Place      **Student Presenter:** Brandon Trenta, Charles E. Schmidt College of Science  
**Research or Creative Category:** Health & Medical Sciences  
**Faculty Mentor:** Claudia Rodrigues, Charles E. Schmidt College of Medicine



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**Presentation Title:** *Inhibition of c-Myc Within Liver Sinusoidal Endothelial Cells Leads to Alterations in Energy Metabolism and Protein Synthesis*

2<sup>nd</sup> Place

**Student Presenter:** Stella Potenti, Charles E. Schmidt College of Science

**Research or Creative Category:** Health & Medical Sciences

**Faculty Mentors:** Claudia Rodrigues, Charles E. Schmidt College of Medicine

**Presentation Title:** *Doxorubicin Exposure Promotes Upregulation of ULK1 in Human Coronary Artery Endothelial Cells*