

8th Annual Undergraduate Research Symposium

Oral Presentation Winners

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

First Place:

Catrin Seepo

Project Title:

“The Syntax of Chaldean Neo-Aramaic”

FAU Mentor:

Michael Hamilton, Dorothy F. Schmidt College of Arts and Letters

College:

Dorothy F. Schmidt College of Arts and Letters

Second Place:

Mauricio Garcia

Project Title:

“The Political Power of Jazz as Protest: Plato, Nietzsche, Rousseau, Adorno, and How Jazz Music Threatens Authoritarianism/Totalitarianism as a Symbol of Freedom”

FAU Mentor:

Rebecca LeMoine, Dorothy F. Schmidt College of Arts and Letters

College:

Dorothy F. Schmidt College of Arts and Letters

Category: Behavioral, Educational & Social Sciences

First Place:

Amrita Ghaness & Nicole Fitzgerald

Project Title:

“Effects of Gender on Levels of Tension in the Therapeutic Relationship”

FAU Mentor:

Paul Peluso, College of Education

College:

College of Education

Second Place:

Esteban Cardenas & Onur Basman

Project Title:

“The American Perception and Ideology Towards Refugees”

FAU Mentor:

Monica Escaleras, College of Business

College:

College of Business

Category: Behavioral, Educational & Social Sciences II

First Place:

Caralin Branscum

Project Title:

“Voluntary Victim Intoxication in Sexual Assaults: A Summary of the Nation’s State Statutes”

FAU Mentor:

Seth Fallik, College of Design and Social Inquiry

College:

College of Design and Social Inquiry

Second Place:

Jessica Gushue

Project Title:

“Gender Differences in Adolescent Perceptions of Wartime Violence”

FAU Mentor:

Patricia Liehr, Christine E. Lynn College of Nursing

College:

Christine E. Lynn College of Nursing

Category: Behavioral, Educational & Social Sciences III

First Place: ***Janet Weinthal***

Project Title: "Block vs. Text coding games: Comparing 4th grade students' confidence, interest, and skill in computer science"
FAU Mentor: Tricia Meredith, College of Education
College: College of Education

Second Place: ***Nicole McRostie***

Project Title: "Who Done It? Source Memory Differences in Older and Younger Adults"
FAU Mentor: Julie Earles, Harriet L. Wilkes Honors College
College: Harriet L. Wilkes Honors College

Category: Basic, Health & Medical Sciences

First Place: ***Forrest FitzGerald***

Project Title: "Thermodynamic Analysis of Galectin-1,-3 Binding to Beta-galactosides and MUC1-TF Bearing Glycopeptides"
FAU Mentor: Mare Cudic, Charles E. Schmidt College of Science
College: Charles E. Schmidt College of Science

Second Place: ***Dalia Soueid***

Project Title: "Progress toward Synthesis and Characterization of Novel Eglin-Based Matriptase Inhibitor"
FAU Mentor: Maciej Stawikowski, Charles E. Schmidt College of Science
College: Charles E. Schmidt College of Science

Category: Environmental, Ecological & Marine Sciences

First Place: ***Wilmer Lopez***

Project Title: "A Comparative Analysis of Shark Pectoral Fins"
FAU Mentor: Marianne Porter, Charles E. Schmidt College of Science
College: Charles E. Schmidt College of Science

Second Place Tie: ***Kestride Estil***

Project Title: "Model Dwelling of Recycled Plastic for La Plaine, Haiti"
FAU Mentor: Jean Martin Caldieron, College of Design and Social Inquiry
College: College of Design and Social Inquiry

Second Place Tie: ***Gino Garlaschi***

Project Title: "Investigation of Dissolved Metals Concentrations in Lake Worth Lagoon"
FAU Mentor: Tara Root, Charles E. Schmidt College of Science
College: Charles E. Schmidt College of Science

Category: Engineering

First Place:

Kavita Braun, Derek Peters & Cesar Saldana

Project Title: "A Biodegradable Surfactant for Enhanced Oil Recovery: A Microfluidic Study"

FAU Mentor: Kim Myeongsub, College of Engineering and Computer Science

College: College of Engineering and Computer Science

Second Place:

Alexis Base

Project Title: "A Synthetic Sea Urchin Exoskeleton for Carbon Conversion to Environmental Calcium Carbonate Precipitates"

FAU Mentor: Peng Yi, College of Engineering and Computer Science

College: College of Engineering and Computer Science

Category: Business, Marketing, Finance, Public Administration

First Place:

Amaury Minino

Project Title: "An Analysis of US State Municipal Bond Yield Curves"

FAU Mentor: Hongwei Long, Charles E. Schmidt College of Science

College: Charles E. Schmidt College of Science

Second Place:

Stefan Ragnarsson

Project Title: "Empirical Evidence of the Negative Relationship Between Social Capital and Corruption"

FAU Mentor: Kanybek Nur-tegin, Harriet L. Wilkes Honors College

College: Harriet L. Wilkes Honors College

Poster Presentation Winners

Category: Basic Sciences

First Place:

Dana-Lee Bowes

Project Title: "The Comparison Between African-Americans and European Caucasians with Mild Cognitive Impairments by Examining Cognitive Deficits in Their Daily Lives"

FAU Mentor: Monica Rosselli, Charles E. Schmidt College of Science

College: Charles E. Schmidt College of Science

Second Place:

Amina Ali

Project Title: "Identifying Kinesin-Associated Cargoes During Learning in *Aplysia californica*"

FAU Mentor: Laura Vernon, Harriet L. Wilkes Honors College

College: Harriet L. Wilkes Honors College

Category: Behavioral, Educational & Social Sciences

First Place: ***Christopher Demezier***
Project Title: "Vignettes and Their Role in Bullying Research"
FAU Mentor: Joy Longo, Christine E. Lynn College of Nursing
College: Christine E. Lynn College of Nursing

Second Place: ***Emily Schayes***
Project Title: "Promoting Understanding Through Shared Human Connection in Photographs: An Exploratory Study on Stigma Surrounding Homelessness"
FAU Mentor: Andra Opalinski, Christine E. Lynn College of Nursing
College: Christine E. Lynn College of Nursing

Category: Business, Marketing, Finance, Public Administration

First Place Tie: ***Danielle Gordon, Samin Nuhin and Katherine Llanos***
Project Title: "Impact of Functional versus Symbolic Signals on Initial Impressions: Implications for Designing the Look of a Website Homepage to Convey an Outdoorsy Brand Image/Personality for a Lifestyle Brand"
FAU Mentor: Allen Smith, College of Business
College: College of Business

First Place Tie: ***Maria Trajano, Rachel Cumming, Sarah LaFemina, Samantha Campana and Katie Richter***
Project Title: "Activating the Appeal of Voice Activated Digital Assistant: Insights from Advertising Research and Persuasion Theory"
FAU Mentor: Allen Smith, College of Business
College: College of Business

Second Place: ***Kira Wolak***
Project Title: "The Home Mortgage Interest Deduction: Should Reform Mean Fear?"
FAU Mentor: Cheryl Arflin, College of Business
College: College of Business

Category: Classroom Research Project/Assignment

First Place: ***Sabine Elam***
Project Title: "Tenses of Chaldean Neo-Aramaic"
FAU Mentor: Michael Hamilton, Dorothy F. Schmidt College of Arts and Letters
College: Dorothy F. Schmidt College of Arts and Letters

Second Place: ***Maya Khazem and Michelle Rodriguez-Gonzalez***
Project Title: "Pedestrian Conveyance Path Usage in a South Florida Campus Environment"
FAU Mentor: Tricia Meredith, College of Education
College: College of Education

Category: Engineering

First Place:

Reinaldo Dos Santos

Project Title:

“An Investigation of Dual Inclusion in the Construction of Flexible Armor”

FAU Mentor:

Hassan Mahfuz, College of Engineering and Computer Science

College:

College of Engineering and Computer Science

Second Place Tie:

Katrina Ramsamoj

Project Title:

“Continuous Cell Sorting by Dielectrophoresis in a Straight Microfluidic Channel”

FAU Mentor:

Sarah Du, College of Engineering and Computer Science

College:

College of Engineering and Computer Science

Second Place Tie:

Cara Savoy

Project Title:

“Eigenfaces vs. Fisherfaces: A Comparative Study Using Python”

FAU Mentor:

Koray Karabina, Charles E. Schmidt College of Science

College:

Charles E. Schmidt College of Science

Category: Environmental, Ecological & Marine Sciences

First Place Tie:

Mallory Theurer

Project Title:

“Microsatellite Loci Analysis of Gopher Tortoise (*Gopherus polyphemus*) Populations in Southeast Florida”

FAU Mentor:

Evelyn Frazier, Charles E. Schmidt College of Science

College:

Charles E. Schmidt College of Science

First Place Tie:

Andrea Hernandez

Project Title:

“Fin Morphology in Two Benthic Elasmobranch Species”

FAU Mentor:

Marianne Porter, Charles E. Schmidt College of Science

College:

Charles E. Schmidt College of Science

Second Place:

Zachary Blakeney

Project Title:

“An Evaluation of Productivity for Florida Burrowing Owls in a South Florida Population”

FAU Mentor:

Evelyn Frazier, Charles E. Schmidt College of Science

College:

Charles E. Schmidt College of Science

Category: Health & Medical Sciences

First Place:

Alexandra Urdaneta

Project Title:

“Quantification and Analysis of Cancer-Cell Derived Exosomes”

FAU Mentor:

Vijaya Iragavarapu-Charyulu, Charles E. Schmidt College of Medicine

College:

Charles E. Schmidt College of Science

Second Place Tie:

Yaima Rivero and Forrest FitzGerald

Project Title:

“Development and Optimization of AlphaScreen Assay for Discovery of Galectin Inhibitors”

FAU Mentor:

Mare Cudic, Charles E. Schmidt College of Science

College:

Charles E. Schmidt College of Science

Second Place Tie:

Sylvia Frydman

Project Title:

“Biological Benefit of the mCAT Transgene in Progeroid Mice”

FAU Mentor:

Ken Dawson Scully, Charles E. Schmidt College of Science

College:

Harriet L. Wilkes Honors College

Second Place Tie:

Meer Sajida Hossain

Project Title:

“Adult-born Dentate Granule Neurons Show Accelerated Maturation in a Transgenic Mouse Model of Adult-onset Spontaneous Epilepsy”

FAU Mentor:

Ceylan Isgor, Charles E. Schmidt College of Science

College:

Charles E. Schmidt College of Science

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

First Place:

Daniel Izadirad

Project Title:

“The Impact of the One Child Policy on the Environment”

FAU Mentor:

Kenneth Holloway, Dorothy F. Schmidt College of Arts and Letters

College:

Dorothy F. Schmidt College of Arts and Letters

Second Place:

Paulina Oporto Cespedes

Project Title:

“Representation of Dominican Identity in the Name of Salomé (2000) by Julia Álvarez”

FAU Mentor:

Carmen Cañete Quesada, Harriet L. Wilkes Honors College

College:

Harriet L. Wilkes Honors College