

2016 Summer Undergraduate Research Fellowship (SURF) Awardees

Faculty Mentor: Dr. Barclay Barrios, Dorothy F. Schmidt College and Arts and Letters

Student fellow: Charles Pratt

Project: Queer Images: Photographs of LGBTQ Americans

Faculty Mentor: Dr. Ann Branaman, Dorothy F. Schmidt College and Arts and Letters

Student fellow: Caralin Branscum

Project: Constructing Adulthood in Contemporary Societies

Faculty Mentor: Dr. Oscar Curet, College of Engineering and Computer Science

Student fellow: Andres Hernandez

Project: Energy Harvesting from a Flapping Hydrofoil

Faculty Mentor: Dr. Yunqing Kang, College of Engineering and Computer Science

Student fellow: Daniel Barba

Project: 3D-printing Calcium Alginate Hydrogel for Bone Tissue Regeneration

Faculty Mentor: Dr. James VanZwieten, College of Engineering and Computer Science

Student fellow: Travis Moscicki

Project: Numerical Simulation of a Moored Ocean Current Turbine using National Renewable Energy Laboratory Tools

Faculty Mentor: Dr. Myeongsub Kim, College of Engineering and Computer Science

Student fellow: Gabriel Navarrete

Project: Interfacial Reaction Dynamics at Microscale during CO₂ Sequestration

Faculty Mentor: Dr. Imad Mahgoub, College of Engineering and Computer Science

Student fellow: Spencer Finck

Project: Research and Development of Core Functionality to Enable Interaction between the FAU VANET Application and the Vehicular Cloud

Faculty Mentor: Dr. Panagiotis Scarlatos, College of Engineering and Computer Science

Student fellow: Paul Sieminkewicz

Project: Hydrodynamics of Lake Okeechobee

Faculty Mentor: Dr. Rindy Anderson, Charles E. Schmidt College of Science

Student fellow: Sabah Ali

Project: The Male-male Aggressive Function of Low Amplitude Signaling in the Bachman's Sparrow (*Peucaea aestivalis*)

Faculty Mentor: Dr. Tiffany Briggs, Charles E. Schmidt College of Science

Student fellow: Madeline Rubio

Project: South Florida Barrier Island Beach Morphodynamics

Faculty Mentor: Dr. Daniel de Lill, Charles E. Schmidt College of Science

Student fellow: Raul Ortega

Project: Synthesis of Lanthanide Coordination Polymers for Use in Environmental Sensing

Faculty Mentor: Dr. Evelyn Frazier, Charles E. Schmidt College of Science

Student fellow: Laura DeSouza

Project: Commensal Species Found in Gopherus polyphemus Burrows within Florida Atlantic University Preserve

Faculty Mentor: Dr. Alex Keene, Charles E. Schmidt College of Science

Student fellow: Shereen Jeyakumar

Project: Evolutionary Interactions between Sleep Loss and Hyperphagia

Faculty Mentor: Dr. Daniela Popova, Charles E. Schmidt College of Science

Student fellow: Omar Eldaghar

Project: 3D-Space Groups – Exploring the Symmetries of Crystallographic Groups and their Applications in Contexts other than Static Physical Objects

Faculty Mentor: Dr. Tara Root, Charles E. Schmidt College of Science

Student fellow: Gino Garlaschi

Project: Investigation of Metals Concentrations in Lake Worth Lagoon

Faculty Mentor: Dr. Brenda Claiborne, Charles E. Schmidt College of Science and Dr. Seth Tomchik, Scripps Research Institute

Student fellow: Eamonn Byrnes

Project: Learning and Behavior in Drosophila Melanogaster

Faculty Mentor: Dr. Rui Tao, Charles E. Schmidt College of Medicine

Student fellow: Connor Shields

Project: Excited Delirium Induced by Synthetic Cathinones ('bath salts')

Faculty Mentor: Dr. Tricia Meredith, College of Education

Student fellow: Ayse Demircan

Project: Understanding Flow through the Elasmobranch Olfactory System

Faculty Mentor: Dr. Chun-Jung Huang, College of Education

Student fellow: Alexandra Rodriguez

Project: Exercise-mediated C1q/TNF-Related Protein-9 and Flow-Mediated Vasodilation in Obesity

Faculty Mentor: Dr. Laura Vernon, Harriet Wilkes Honors College

Student fellow: Solomon Ehrlich

Project: Testing the Efficacy of Equine Assisted Therapy for the Treatment of Substance Use Disorders

Pending SURF Award: *Faculty Mentor: Dr. Ilaria Serra, Dorothy F. Schmidt College and Arts and Letters*

Student fellow: Colleen Nelson

Project: Living in a Disappearing City