
2017 Summer Undergraduate Research Fellowship (SURF) Awardees

1. *Faculty Mentor: Dr. Kate Detwiler, Dorothy F. Schmidt College of Arts and Letters*
Student fellow: Sandra Almanza
Project: Conservation and evolutionary genomics: Cryopreservation and quantification of DNA extracts of tissue samples from wild primate populations
2. *Faculty Mentor: Dr. Michael Hamilton, Dorothy F. Schmidt College of Arts and Letters*
Student fellow: Catrin Kareem
Project: Chaldean Neo-Aramaic Syntax
3. *Faculty Mentor: Dr. Jean Martin Caldieron, College for Design and Social Inquiry*
Student fellow: Kestride Estil
Project: Model dwelling of recycled plastic for disaster relief in Haiti
4. *Faculty Mentor: Dr. Seth Fallik, College for Design and Social Inquiry*
Student fellow: Caralin Branscum
Project: Sexual Assault Legal Analysis and Reform
5. *Faculty Mentor: Dr. Andy Khamoui, College of Education*
Student fellow: Jessica Halle
Project: Defining the mechanisms of mitochondrial quality control to combat cancer cachexia
6. *Faculty Mentor: Dr. Chun-Jung Huang, College of Education*
Student fellow: Avraham Aderman
Project: The Effect of Acute High-Intensity Interval Exercise vs. Continuous Moderate-Intensity Exercise on the Expression of BDNF and Inflammatory Mediators in Obese Individuals
7. *Faculty Mentor: Dr. Elias Bou-Harb, College of Engineering and Computer Science*
Student fellow: Mario Galluscio
Project: Large-scale Empirical Characterization of Unsecure IoT Devices
8. *Faculty Mentor: Dr. Mike Kim, College of Engineering and Computer Science*
Student fellow: Natalia Linares
Project: Understanding Sorption Mechanisms of Hydrocarbon Through Microchannels
9. *Faculty Mentor: Dr. Kanybek Nur-tegin, Harriet L. Wilkes Honors College*
Student fellow: Jesse Pulliam
Project: The Effect of Social Capital on Corruption: An Empirical Inquiry
10. *Faculty Mentor: Dr. Mahyar Nouri-Shirazi, Charles E. Schmidt College of Medicine*
Student fellow: Haley Katz
Project: Immune surveillance towards autologous and allogeneic cells
11. *Faculty Mentor: Dr. James VanZwieten*
Student fellow: David Wilson
Project: Open Ocean Turbulence Characterization for Ocean Current Energy Applications

12. *Faculty Mentor: Dr. Tanja Godenschwege, Charles E. Schmidt College of Science*

Student fellow: Brittany Henry

Project: To characterize the potential nuclear function of L1CAM In vivo using *Drosophila Melanogaster*

13. *Faculty Mentor: Dr. Tanja Godenschwege, Charles E. Schmidt College of Science*

Student fellow: Richelle Poulos

Project: Developmental and adult function of the Amyloid Precursor Protein (APP) in the *Drosophila* Giant Fiber Circuit

14. *Faculty Mentor: Dr. Marianne Porter, Charles E. Schmidt College of Science*

Student fellow: Andrea Hernandez

Project: Ontogeny of morphology and muscle development in the walking epaulette shark (*Hemiscyllium ocellatum*)

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

Student fellow: Andrea Rodriguez

Project: Radio telemetry study of social behaviors in Gopher Tortoises

16. *Faculty Mentor: Dr. Xing-Hai Zhang, Charles E. Schmidt College of Science*

Student fellow: Fernando Rocha

Project: CRISPR-mediated genomic editing in plants

17. *Faculty Mentor: Dr. Mare Cudic, Charles E. Schmidt College of Science*

Student fellow: Forrest Fitzgerald

Project: Thermodynamic Analysis of Galectin-1 Binding to MUC1 Glycopeptides Bearing TF Glycan

18. *Faculty Mentor: Dr. Mare Cudic, Charles E. Schmidt College of Science*

Student fellow: Elizabeth Mercer

Project: Synthesis of glycosylated building blocks bearing tumor-associated carbohydrate antigens

19. *Faculty Mentor: Dr. Stephane Roche, Charles E. Schmidt College of Science*

Student fellow: Aya Tal-mason

Project: Design and Synthesis of Novel 4-Aza-Podophyllotoxins: Inhibitors of tubulin polymerization