



UConn IDEA Grant
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UConn IDEA GRANT RECIPIENTS SPRING 2022 - COHORT 19

Congratulations to the 22 students who have been awarded UConn IDEA Grants to support 2022-23 academic year projects.

Ananya Aggarwal '24, Molecular and Cell Biology, CLAS
Synthesizing Cisplatin Loaded Nanoparticles for the Intraperitoneal Treatment of Ovarian Cancer
Mentor: Xiuling Lu, Pharmaceutical Sciences

Nour Al Zouabi '23, Molecular and Cell Biology & IMJR: Rights, Health, and Refugees, CLAS
Refugees' Post-Resettlement Barriers to Accessing Healthcare Services in the Northeastern United States During COVID-19
Mentor: Elizabeth Holzer, Sociology, Human Rights Institute

Joshua Estimé '23, Psychological Sciences, CLAS
Influence of Parental Critical Consciousness on Socialization and Development of Haitian American Youth
Mentor: Annamaria Csizmadia, Human Development and Family Sciences

Alexandra Goldhamer '23, Molecular and Cell Biology & Human Rights, CLAS
The Attenuation of Diet-Induced Obesity Through Locus Coeruleus Chemoactivation
Mentor: Natale Sciolino, Physiology and Neurobiology

Haley Grayson '23, Physiology and Neurobiology, CLAS
Investigating the Role of Srp in Programmed Cell Death in the Drosophila Ovary
Mentor: Jianjun Sun, Physiology and Neurobiology

Jerome Jacobs '23, Allied Health Sciences, CAHNR
Measuring HIV Stigmas and Investigating the Role of mHealth for Stigma-Reduced HIV Prevention Services Among Men Who Have Sex With Men (MSM) In Malaysia
Mentor: Roman Shrestha, Allied Health Sciences

Alexandra Kapell '24, Human Rights & Political Sciences, CLAS
The Impact of Framing Gender Based Violence as Torture
Mentor: David Richards, Political Science



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ENRICHMENT PROGRAMS
OFFICE OF
UNDERGRADUATE RESEARCH

Funding for **original, creative, innovative**, student-designed projects including artistic endeavors, community service initiatives, research projects, entrepreneurial ventures and prototyping.

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Madeline Kizer '24, Marketing, BUS

UConn Swap Shop: Establishing a Clothing and Item Exchange for the UConn Community

Mentor: Katie Britt, Werth Institute

Audrey Larson '25, Materials Science and Engineering & Civil Engineering, ENG

Integration of Plastic Waste Into Concrete to Reduce Plastic Wastes and Improve the Properties of Concrete

Mentors: Douglas Adamson, Chemistry; Baikun Li, Civil and Environmental Engineering; Kay Wille, Civil and Environmental Engineering

Travis Lavigne '24, Music Education & Composition, SFA

Original Musical Production and Recording

Mentor: Kenneth Fuchs, Music

Sofya Levitina '24, Physics & Mathematics/Statistics, CLAS

Analysis of Black Hole Accretion and Feedback in the CAMELS Simulations Using Artificial Intelligence

Mentor: Daniel Angles-Alcazar, Physics

Meghan Myles '23, Ecology and Evolutionary Biology & Applied Mathematics, CLAS

*Determining the Developmental Stage of Sex Organ Abortion in *Solanum polygamum* and *Solanum appendiculatum**

Mentor: Pamela Diggle, Ecology and Evolutionary Biology

Hailey Ngo '23, Art, SFA

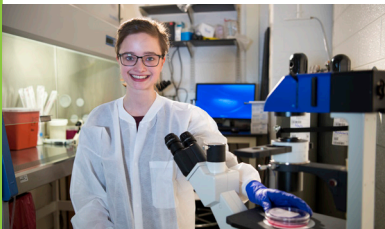
One World to Share: Exploring Cultural Appropriation in Opposition to Appreciation Through Art

Mentor: Douglas Degges, Art and Art History

Savannah Ngo '23, Physiology and Neurobiology & Psychological Sciences, CLAS

The Effect of Verbal Suggestion and Transportation Placebo on Cold Pressor Pain Tolerance

Mentor: Blair Johnson, Psychological Sciences



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Yewande Olumide '24, Psychological Sciences, CLAS

"Kids on Bikes": Writing Sci-Fi for the 21st Century

Mentor: Darcie Dennigan, English

Daisy Ren '23, Civil Engineering, ENG; Chinese, CLAS

Wireless Sensor Development Using Arduino for Bridge Joint Monitoring

Mentor: Shinae Jang, Civil and Environmental Engineering

Laura Thurber '23, Biomedical Engineering, ENG

Development of an In Vitro Model to Study Cell Response to Microelectrode Biomaterials in Central Nervous System (CNS)

Mentor: Yupeng Chen, Biomedical Engineering

Ethan Wicko '24, Mechanical Engineering, ENG

Bicycle Continuously Variable Transmission Validation

Mentor: Thomas Mealy, Mechanical Engineering

Kendalyn Zipf '23, Art, SFA

Art About US: Sculptures of the Fat Femme Body

Mentor: Monica Bock, Art & Art History

GROUP PROJECT

Shannon Ahearn '23, Political Science, CLAS

Hannah Peterson '23, Allied Health Sciences, CAHNR

Nicole Pinto '23, Physiology and Neurobiology, CLAS

Spotlighting Student Success: Understanding the Role Played by First-Year Programs at the University of Connecticut

Mentor: Amanda Wilde, School of Fine Arts



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